

Annual Air Quality

2022

Submitted to: Candice Webb / Sandy Camminga

Richards Bay Clean Air Association (RBCAA)

P O Box 10299, Meerensee, 3901

Office A6, Smart Plan Building, 95 Dollar Drive, Richards Bay

Submitted by:

Air Impact Measurement Specialists

Suite 18 Calypso Centre, 2 Kruger Rand Grove, Richards Bay, Kwa-Zulu Natal, 3900

PO Box 10491, Meerensee, Kwa-Zulu Natal, 3901

Project 2021001 Report 037

July 2023

Document Approval

Action	Designation	Name	Date
Prepared	Senior Consultant	Lance Coetzee	2023-02-21
Reviewed	Assistant Consultant	Alicia Garnica	2023-03-28
Approved	Senior Consultant	Lance Coetzee	2023-03-28
Reviewed	Senior Consultant	Lance Coetzee	2023-04-08
Approved	Senior Consultant	Lance Coetzee	2023-07-21

Record of Revisions

Date	Revision	Author	Comments
2023-03-28	0	Lance Coetzee	Draft
2023-04-08	1	Lance Coetzee	Draft
2023-07-21	2	Lance Coetzee	Draft

Note

This report has been finalised with the available information at the time of its compilation.

Table of Contents

1. Introduction	8
1.1. Significant events 2022.....	9
1.1.1. Gas incident.....	9
1.1.2. Truck congestion and increase in particulates	9
1.1.3. Quality System	10
1.2. Operational Feedback	10
1.2.1. Status at the start of 2022:	10
1.2.2. Improvements during 2022:.....	10
1.2.3. Chronology of events:	11
1.3. Data Capture	12
2. Meteorology	16
2.1. Wind Roses	16
2.2. Rainfall	19
3. Air Quality Complaints	22
4. Fine Particulate Monitoring	26
4.1. PM Ambient Air Quality Standards	26
4.2. PM Annual Concentrations	27
4.3. PM Monthly Concentrations	30
4.4. PM Daily Concentrations	31
4.5. PM Diurnal Concentrations.....	33
4.6. PM Exceedances.....	34
5. Sulphur Dioxide Monitoring.....	36
5.1. SO ₂ Ambient Air Quality Standards	36
5.2. SO ₂ Annual Concentrations.....	37
5.3. SO ₂ Monthly Concentrations	38
5.4. SO ₂ Daily Average Concentrations.....	39
5.5. SO ₂ Diurnal Concentrations.....	41
5.6. SO ₂ Hourly Average Concentrations	42
5.7. SO ₂ 10-minute average Concentrations.....	43
5.8. SO ₂ Exceedances	44
5.9. SO ₂ Dispersion Simulations	46
5.10. SO ₂ Model Correlation	55
6. Total Reduced Sulphur Monitoring	56
6.1. TRS Ambient Air Quality Standards	56

6.2.	TRS Annual Concentrations	57
6.3.	TRS Monthly Concentrations	58
6.4.	TRS Daily Concentrations	59
6.5.	TRS Diurnal Concentrations	59
6.6.	TRS 30-minute Concentrations	60
6.7.	TRS 10-minute Concentrations	61
6.8.	TRS Exceedances	62
7.	Annual Air Quality	63
8.	Acknowledgement	63
9.	References	64

List of Tables

Table 1: Station coordinates.	9
Table 2: Analyser calibration status.	11
Table 3: Meteorological data capture.	13
Table 4: Pollutant data – percentage data capture.	14
Table 5: Analyser age, location, and status.	15
Table 6: Particulate ambient air quality limits.	26
Table 7: PM _{2.5} daily average exceedance allocations (RSA).	32
Table 8: PM _{2.5} daily average exceedance allocations (WHO).	32
Table 9: SO ₂ ambient air quality limits.	36
Table 10: SO ₂ daily average exceedances (RSA).	39
Table 10: SO ₂ daily average exceedances (WHO).	39
Table 11: SO ₂ 1-hour average exceedances (RSA).	42
Table 12: SO ₂ 10-minute average exceedances (RSA)	43
Table 13: Air quality index (percentage of RSA SO ₂ limit value).	46
Table 14: Air quality index (percentage of WHO SO ₂ limit value).	46
Table 15: Summary of maximum predicted SO ₂ impacts for various areas.	54
Table 16: TRS 24-hour average exceedances.	59
Table 17: TRS 30-minute average exceedances.	60
Table 18: TRS 10-minute average exceedances.	61

List of Figures

Figure 1: Map - local.	8
Figure 2: Load shedding 2007 – 2022 (Source https://businesstech.co.za/news/business-opinion/671697/things-are-looking-very-very-bad-for-load-shedding-in-south-africa/).	12
Figure 3: Load shedding 2023 (Source https://businesstech.co.za/news/business-opinion/671697/things-are-looking-very-very-bad-for-load-shedding-in-south-africa/).	12
Figure 4: Wind roses - monthly.	16
Figure 5: Wind roses - seasonal.	17
Figure 6: Wind roses - diurnal.	18
Figure 7: Rainfall 2018 - 2022.	19
Figure 8: Precipitation - 2018 to 2022.	19
Figure 9: Rainfall –Richards Bay.	20
Figure 10: Rainfall – Felixton.	20
Figure 11: Rainfall – RBCT.	21
Figure 12: Rainfall – South32.	21
Figure 13: Complaints – annual comparison.	22
Figure 14: Complaints - historical monthly comparison.	22
Figure 15: Complaints - region.	24
Figure 16: Complaints - type.	24
Figure 17: Complaints - source.	25
Figure 18: PM ₁₀ annual average concentrations (2004 to 2022).	27
Figure 19: PM _{2.5} annual average concentrations (2021 to 2022).	27
Figure 20: PM ₁₀ annual average concentration (2021 to 2022).	28
Figure 21: PM _{2.5} annual average concentration (2021 to 2022).	28
Figure 22: PM ₁₀ annual average concentration.	29
Figure 23: PM _{2.5} annual average concentration.	29
Figure 24: PM ₁₀ monthly concentrations.	30
Figure 25: PM _{2.5} monthly concentrations.	30
Figure 26: PM ₁₀ daily average concentrations.	31
Figure 27: PM _{2.5} daily average concentrations.	32
Figure 28: PM ₁₀ diurnal concentrations.	33
Figure 29: PM _{2.5} diurnal concentrations.	33
Figure 30: PM ₁₀ exceedance days (2015 to 2022)	34
Figure 31: PM _{2.5} exceedance days 2021 - 2022	34
Figure 32: PM _{2.5} exceedance days per month 2022.	35

Figure 33: SO ₂ annual average concentration (1997 to 2022).	37
Figure 34: SO ₂ annual average concentration (2020 to 2022).	37
Figure 35: SO ₂ annual average concentration.	38
Figure 36: SO ₂ monthly concentrations.	38
Figure 37: SO ₂ daily average exceedances (RSA).	41
Figure 38: SO ₂ diurnal concentrations.	41
Figure 39: SO ₂ hourly average concentrations.	42
Figure 40: SO ₂ 10-minute average concentrations.	44
Figure 41: SO ₂ exceedance days (2015 to 2021).	44
Figure 42: SO ₂ exceedance days per month 2022.	45
Figure 43: SO ₂ annual average prediction (regional map RSA AAQS).	48
Figure 44: SO ₂ annual average prediction (Richards Bay map RSA AAQS).	48
Figure 45: SO ₂ annual average prediction (regional map WHO AAQG).	49
Figure 46: SO ₂ annual average prediction (Richards Bay map WHO AAQG).	49
Figure 47: SO ₂ maximum daily average prediction (regional map RSA AAQS).	50
Figure 48: SO ₂ maximum daily average prediction (Richards Bay map RSA AAQS).	50
Figure 49: SO ₂ maximum daily average prediction (regional map WHO AAQG).	51
Figure 50: SO ₂ maximum daily average prediction (Richards Bay map WHO AAQG).	51
Figure 51: SO ₂ maximum hourly average prediction (regional map RSA AAQS).	52
Figure 52: SO ₂ maximum hourly average prediction (Richards Bay map RSA AAQS).	52
Figure 53: SO ₂ maximum 10-minute average prediction (regional map RSA AAQS and WHO AAQG).	53
Figure 54: SO ₂ maximum 10-minute average prediction (Richards Bay map RSA AAQS and WHO AAQG).	53
Figure 55: SO ₂ annual average concentration and prediction.	55
Figure 56: TRS annual average concentration (2006 to 2021).	57
Figure 57: TRS annual average concentration (2020 to 2022).	57
Figure 58: TRS annual average concentration.	58
Figure 59: TRS monthly concentrations.	58
Figure 60: TRS daily average concentration.	59
Figure 61: TRS diurnal concentrations.	59
Figure 62: TRS 30-minute average concentration.	60
Figure 63: TRS 10-minute average concentrations.	61
Figure 64: TRS exceedance days from 2015 to 2022.	62
Figure 65: TRS exceedance days 2022.	62

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 24th annual air quality report summarises the fine particulate (PM₁₀ and PM_{2.5}), sulphur dioxide (SO₂), total reduced sulphur (TRS), and meteorological monitoring conducted by the Richards Bay Clean Air Association (RBCAA) during 2022. The RBCAA network comprises nine stations (Figure 1 and Table 1). The report also includes simulations and comparisons of SO₂ impacts based on the RBCAA's regional emission inventory, the Weather Research and Forecasting (WRF¹) Model meteorological data, and the CALPUFF dispersion model. It highlights specific and predicted incidents and exceedances of the applicable national and international ambient air quality standards and guidelines.

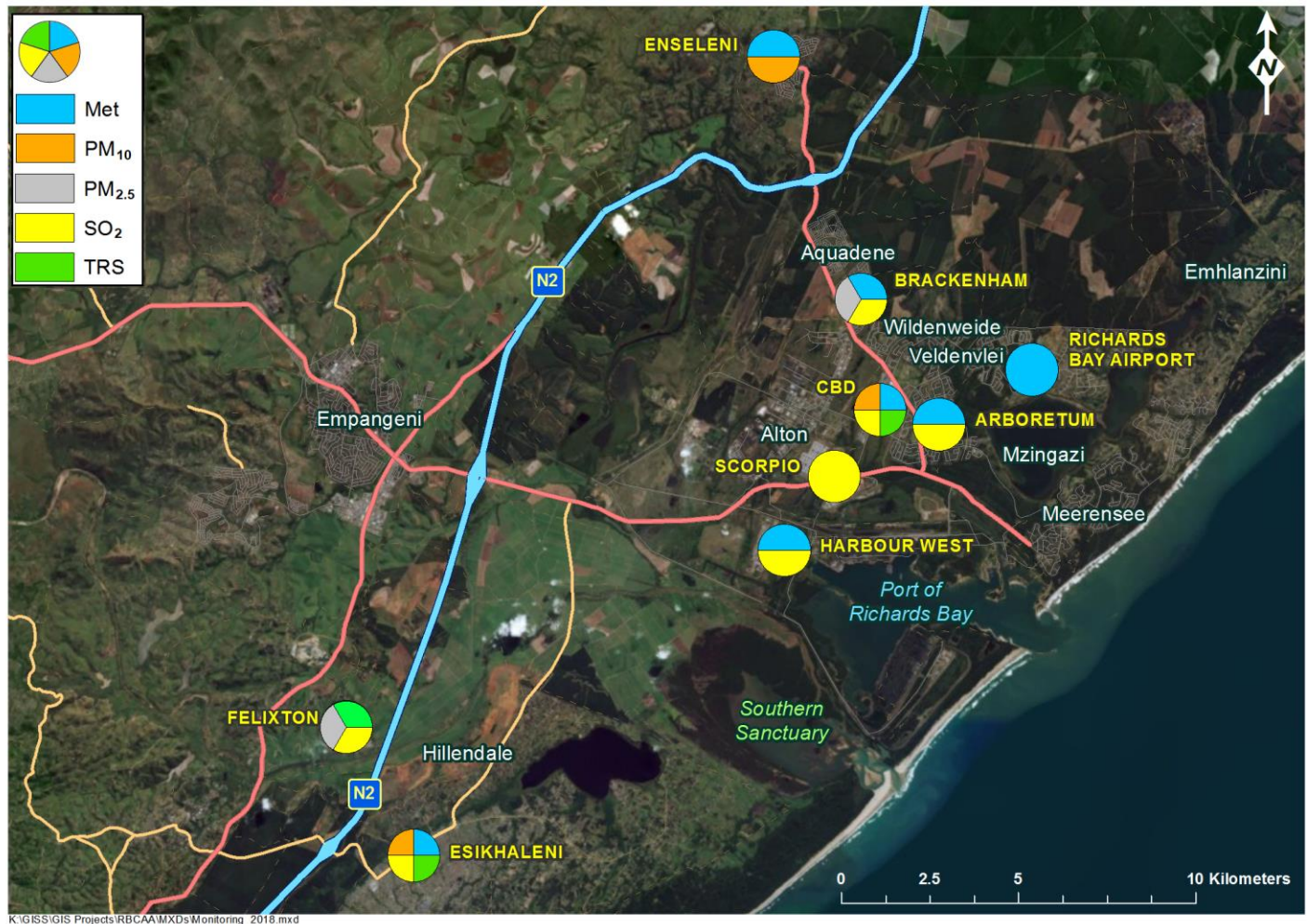


Figure 1: Map - local.

¹ The Weather Research and Forecasting (WRF) Model is a next-generation mesoscale numerical weather prediction system designed for both atmospheric research and operational forecasting applications.

Table 1: Station coordinates.

Station	Latitude (°)	Longitude (°)
Airport	-28.738138	32.093333
Arboretum	-28.752380	32.062786
Brackenham	-28.731359	32.039108
CBD	-28.744803	32.054844
eNseleni	-28.662944	32.017770
eSikhaleni	-28.865283	31.911679
Felixton	-28.829261	31.893636
Harbour West	-28.787300	32.027160
Scorpio	-28.769696	32.034291

1.1. Significant events 2022

1.1.1. Gas incident

This incident occurred on the 7th of February, 2022 and mainly affected the Richards Bay suburb of Arboretum. It resulted in three hundred and seventy (370) complaints of acid gas from the public. The RBCAA conducted an independent investigation² into the incident and which summarised and concluded the following:

- ▶ The fire at the Scorpio substation in September 2021 necessitated an emergency shutdown at Foskor. Sulphur dioxide and sulphur trioxide gasses were trapped in the sulphuric acid plants for several days; these reacted with the moisture present and converted to sulphurous and sulphuric acid, which exacerbated the magnitude of the corrosion.
- ▶ The integrity of the plants deteriorated from October 2021 and failed on the 7th of February (this explains the increase in frequency and intensity of sulphur dioxide exceedances and complaints).
- ▶ The evidence suggests that the pollutants associated with the incident were sulphur trioxide and some sulphur dioxide. This conclusion is based on descriptions of what was experienced and symptomology (incidents, where extremely high concentrations of sulphur dioxide were recorded did not produce the additional symptoms experienced during the incident).
- ▶ The gas incident of the 07th of February is attributed to emissions from the Foskor facility.

1.1.2. Truck congestion and increase in particulates

This situation has been developing for a few years and is associated with the harbour's inability to handle carbonaceous products through the coal terminal. Carbonaceous products are now moved through the entire Port from various industry sources, so cross-contamination is becoming an issue. The movement of carbonaceous products away from the coal terminal to the other side of the harbour directly impacts air quality, specifically the fallout of coal dust. A significant problem is a lack of rail transport to the Port, requiring a crossover to road transport.

² The investigative report is available on the RBCAA website www.rbcaa.org.za.

1.1.3. Quality System

The ISO accreditation process, which started in 2019 and was placed on hold during the COVID-19 pandemic (2020-2021), restarted in 2022. There were two external audits during the year; findings from these were cleared, and the RBCAA was certified in 2023.

1.2. Operational Feedback

1.2.1. Status at the start of 2022:

- ▶ The SmartPlan offices, where the RBCAA had its base station, were broken into. Fortunately, there had been concerns about security at the site, so the IT equipment had been moved to a temporary secure location before the incident.
- ▶ Ongoing incidents of theft and vandalism at the eNseleni station resulted in its decommissioning. This station will be relocated to monitor particulates due to activities in the Port of Richards Bay.
- ▶ Load shedding was having a significant impact on the network, causing data loss and damage to instrumentation.

1.2.2. Improvements during 2022:

- ▶ IT System/Security:
 - Switch to cloud computing, the RBCAA's data collection and analysis software, databases, and websites are now hosted on a virtual machine.
 - New datalogger PCs with the latest data logging software were installed at Arboretum and CBD.
- ▶ Load shedding mitigation:
 - Inverters were installed at Arboretum and CBD, and the inverter batteries installed at eSikhaleni in 2021 were upgraded from lead-acid to lithium-ion.
- ▶ Calibrations and maintenance:
 - The analysers were calibrated according to their respective schedules, and site/shelter/mast maintenance was performed during the year.
- ▶ Network expansion:
 - The Felixton and Brackenham particulate analysers were converted to measure PM_{2.5} at the end of 2021.
 - Grindrod agreed to have the data from their PM₁₀ and PM_{2.5} analysers located at Scorpio to be incorporated into the RBCAA network.
 - PM_{2.5} monitoring was initiated at Harbour West.
- ▶ CAPEX 2022:
 - Capital expenditure for 2022 included a SO₂ analyser, a particulate analyser (e-sampler), a PC data logger, and data logging software.

1.2.3. Chronology of events:

- ▶ January: The EnviDAS SMS alerts system was commissioned.
- ▶ February: The longest-serving SO₂ analyser (25 years in the field) was retired.
- ▶ March: The eNseleni station was decommissioned due to security concerns.
- ▶ April: The virtual machine was fully operational and used to collect, validate, store, and report data.
- ▶ May: The old physical servers were decommissioned and stored.
- ▶ June: 5kVA inverters were installed at Arboretum and CBD.
- ▶ July: Maintenance of the mast (eNseleni & eSikhaleni) took place.
- ▶ August: Maintenance of the shelters took place.
- ▶ September: An ISO Stage 1 external audit (documentation) was conducted.
- ▶ October: The lead-acid batteries on the 5kVA inverter at eSikhaleni failed and were replaced by a lithium-ion battery (the 5kVA system was installed in March 2021).
- ▶ November: An ISO stage 2 external audit (physical audit) took place.
- ▶ December: Particulate monitoring at Scorpio (Grindrod) and Harbour West was incorporated into the RBCAA network.

Table 2: Analyser calibration status.

Item		Dates
Calibrations	Particulates	May (TEOMs) / June 2022 (e-sampler)
	Trace Gas	January, May, and September 2022
	Meteorology	January 2023

1.3. Data Capture

One of the significant causes of data loss and damage to instrumentation during 2022 was power outages, including load shedding; there were 3,773 hours of load-shedding during 2022, over double what was experienced in 2021, and the outlook for 2023 seems even worse (Figure 2 and Figure 3). The percentage of valid data from the meteorological and pollutant network for 2022 is shown in Table 3 and Table 4.

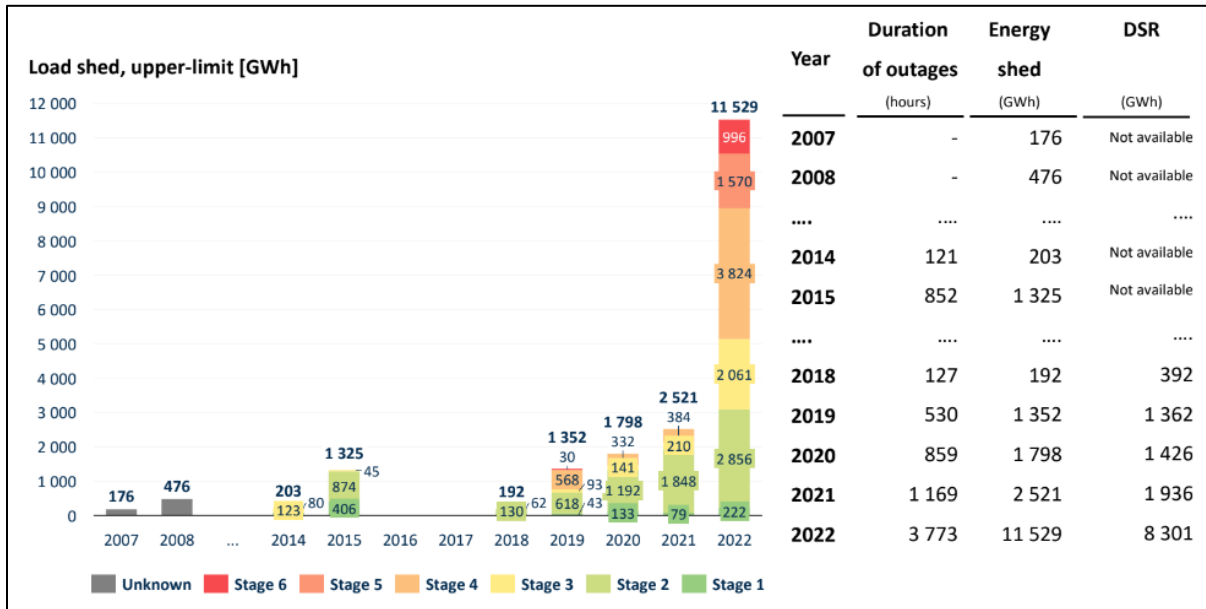


Figure 2: Load shedding 2007 – 2022 (Source <https://businesstech.co.za/news/business-opinion/671697/things-are-looking-very-very-bad-for-load-shedding-in-south-africa/>).

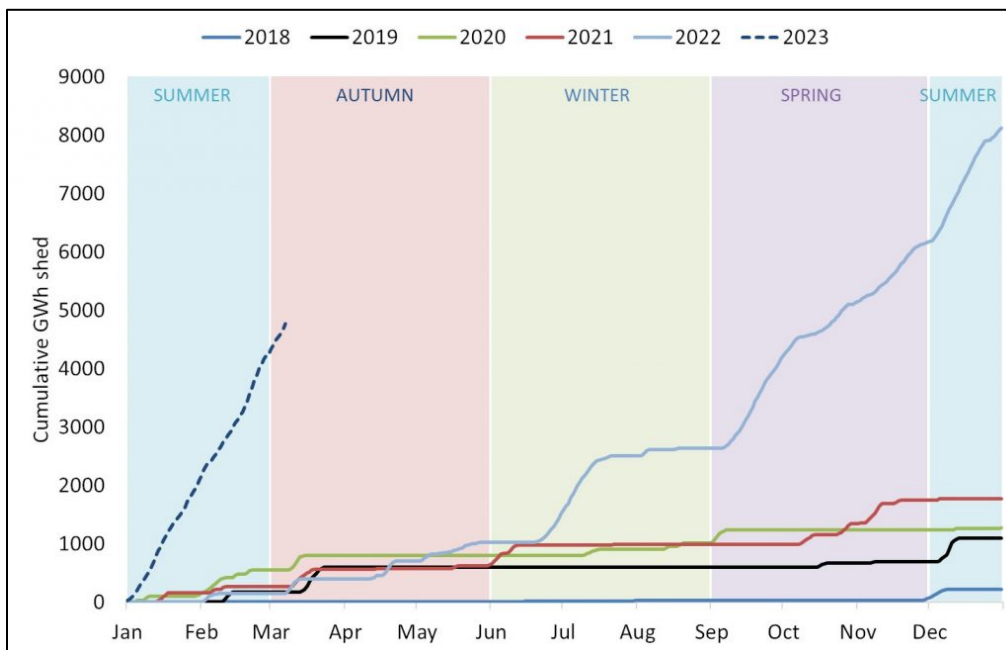


Figure 3: Load shedding 2023 (Source <https://businesstech.co.za/news/business-opinion/671697/things-are-looking-very-very-bad-for-load-shedding-in-south-africa/>).

Table 3: Meteorological data capture.

Station	Station Availability (%)	Wind Direction & Speed (%)	Temperature (%)	Relative Humidity (%)	Pressure (%)	Solar Radiation (%)	Rain (%)
Airport	96	90	96	96	96	96	-
Arboretum	95	94	95	-	-	-	-
Brackenham	95	95	95	-	-	-	-
CBD	98	98	98	98	-	-	98
eNseleni	17	17	17	17	-	-	-
eSikhaleni	93	93	93	93	-	-	-
Felixton	91	-	81	-	82	-	-
Harbour West	99	88	18	-	18	-	-
Scorpio	95	-	14	-	14	-	-

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 Meteorology:

- Airport (Wind Direction/Speed) – Anemometer struck by lightning in December 2021, faulty replacement (January/February/March 2022).
- Arboretum (Wind Direction/Speed) – Power outages, load shedding and calms (2022).
- eNseleni (Station) – Vandalised (January/February 2022), shut down(February 2022), and decommissioned (March 2022).
- eSikhaleni (Station) – Power outages, load shedding (2022), and inverter battery failure (October/November/December 2022).
- Felixton (Station) – Power outages, load shedding. (Temperature and Pressure) – E-sampler away for service and calibration (June 2022).
- Harbour West (Wind Direction and Speed) – The anemometer bearing failed (June 2022). (Temperature and Pressure) – E-sampler commissioned (December 2022).
- Scorpio (Temperature and Pressure) – E-samplers commissioned (December 2022).

Table 4: Pollutant data – percentage data capture.

Station	Station Availability (%)	PM ₁₀ (%)	PM _{2.5} (%)	SO ₂ (%)	TRS (%)
Arboretum	95	-	-	79	-
Brackenham	95	-	94	90	-
CBD	98	92	-	95	95
eNseleni	17	-	-	-	-
eSikhaleni	93	77	-	77	75
Felixton	91	-	82	87	83
Harbour West	99	-	18	99	-
Scorpio	95	14	14	97	-

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:

- Arboretum (SO₂) – Power outages, load shedding, data invalidation (2022), analyser not recovering/damaged (May, June 2022).
- Brackenham (PM₁₀ and SO₂) - Power outages, load shedding, data invalidation (2022), analysers not recovering/damaged (February 2022).
- CBD (PM₁₀) Power outages, load shedding, data invalidation (2022), analyser not recovering.
- eNseleni (Station) – Vandalised (January/February 2022), shut down(February 2022), and decommissioned (March 2022).
- eSikhaleni (Station) - Power outages, load shedding data invalidation (2022). (PM_{2.5}, SO₂ and TRS) - Inverter battery failure analysers not recovering/damaged shut down (October/November/December 2022).
- Felixton (Station) – Power outages, load shedding, data invalidation (2022). (PM_{2.5}, SO₂ and TRS) - Analysers not recovering/damaged shut down.
- Harbour West (PM_{2.5}) – E-sampler commissioned (December 2022).
- Scorpio (PM₁₀ and PM_{2.5}) – E-samplers commissioned (December 2022).

Table 5: Analyser age, location, and status.

Serial	Purchased	Age	Type	Site	Status
248970311	Jan 2004	19-years	PM	eSikhaleni	OK
274100812	Dec 2008	14-years	PM	eNseleni	Station not in use stored at Mondli
273580810	Feb 2009	13-years	PM	CBD	OK
206850912	Jan 2010	13-years	PM	Brackenham	OK
E-sampler	Mar 2012	10-years	PM	Felixton	Removed for service and calibration (2022-06-02)
E-sampler	Nov 2022	0-years	PM	Harbour West	-
E-sampler	Nov 2022	0-years	PM	Scorpio	-
E-sampler	Nov 2022	0-years	PM	Scorpio	-
6352	May 2022	0-years	SO ₂	Arboretum	New
5499	May 2020	2-years	SO ₂	Arboretum	Returned and installed (2022-06-15)
4848	Jun 2019	3-years	SO ₂	eSikhaleni	Installed as a TRS analyser (2021-07-30)
165 (T102)	Apr 2018	4-years	SO ₂	Felixton	OK
3020	May 2017	5-years	TRS	CBD	OK
1980	Jul 2008	14-years	SO ₂	Felixton	OK
3055	May 2011	11-years	SO ₂	Scorpio	OK Installed (2022-10-26)
253	Mar 2012	10-years	SO ₂	Scorpio	Returned from C&M - serviced
593	Apr 2013	9-years	SO ₂	CBD	OK
1049	Feb 2014	8-years	TRS	C&M	Installed at Brackenham (2022-02-24)
1540	Mar 2015	7-years	SO ₂	eSikhaleni	OK

Note: Red - Older than 10 years; Orange – Consider replacing if it fails (set aside a budget for this).

2. METEOROLOGY

2.1. Wind Roses

Annual wind roses for 2022 and 2021 at Arboretum are presented in Figure 4. They indicate that the wind blew predominantly along the NE and SW axis. NE wind is generally associated with fair weather, while SW wind is usually associated with the passage of coastal lows, cold fronts, and inclement weather.

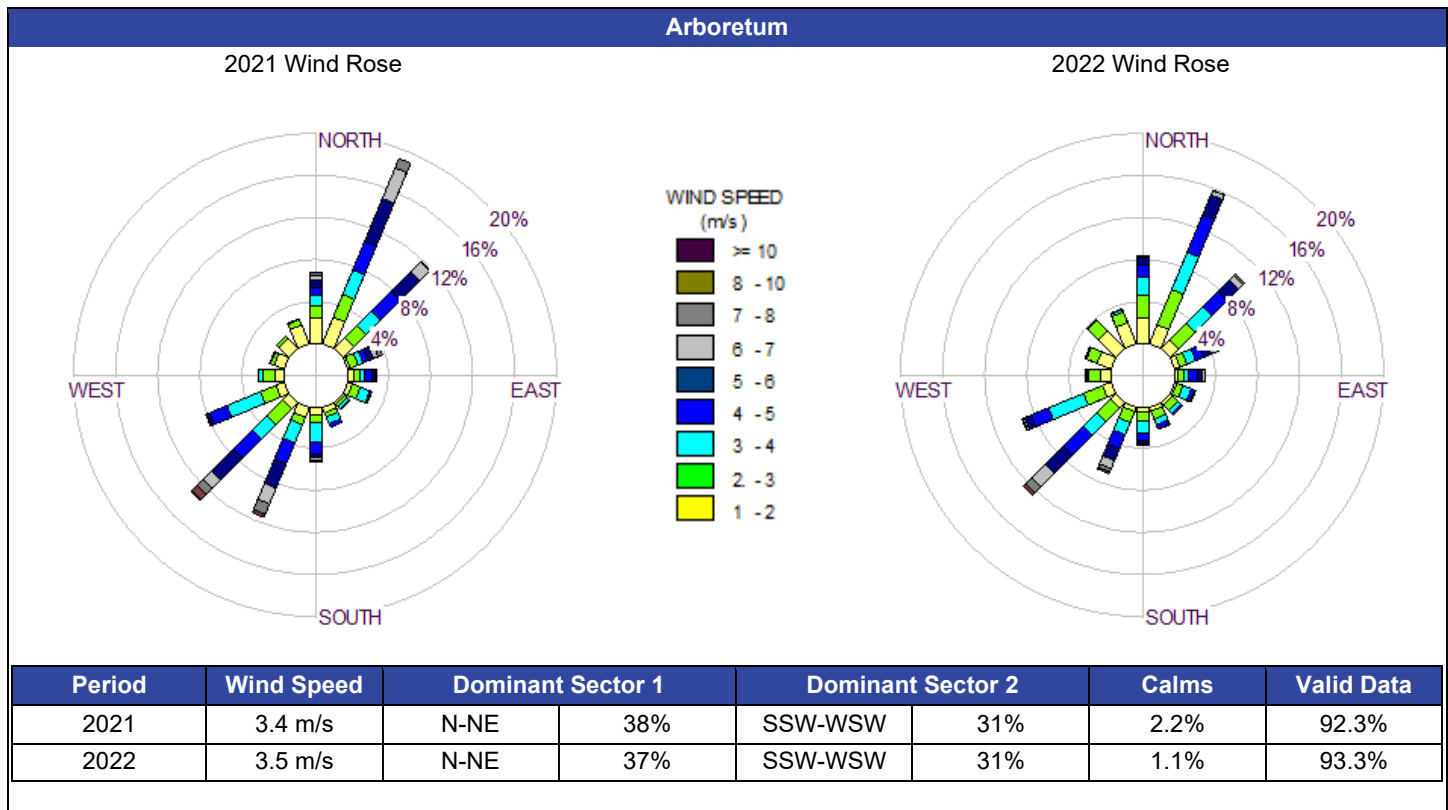


Figure 4: Wind roses - monthly.

Typically, there is an increase in light (1 to 3 m/s) to moderate (3 to 6 m/s) wind from the NNW during periods that include autumn and winter conditions and the seasonal increase in fresh (6 to 8 m/s) to strong (> 8 m/s) N to NE wind during periods that include spring and early summer. Strong southerly to SSW wind occurs throughout the year, typically associated with the arrival of coastal lows and cold fronts. Coastal lows occur more frequently during the summer, hence the slightly higher proportion of these winds (Figure 5).

Diurnal wind roses for 2022 are shown in Figure 6. ESE to SSE wind is primarily in sea breezes during the day and early evening, particularly during the warmer spring and summer months. In contrast, WNW to NNW wind is mainly in the form of land breezes at night and early morning, particularly during the colder and more stable autumn and winter months (Figure 6).

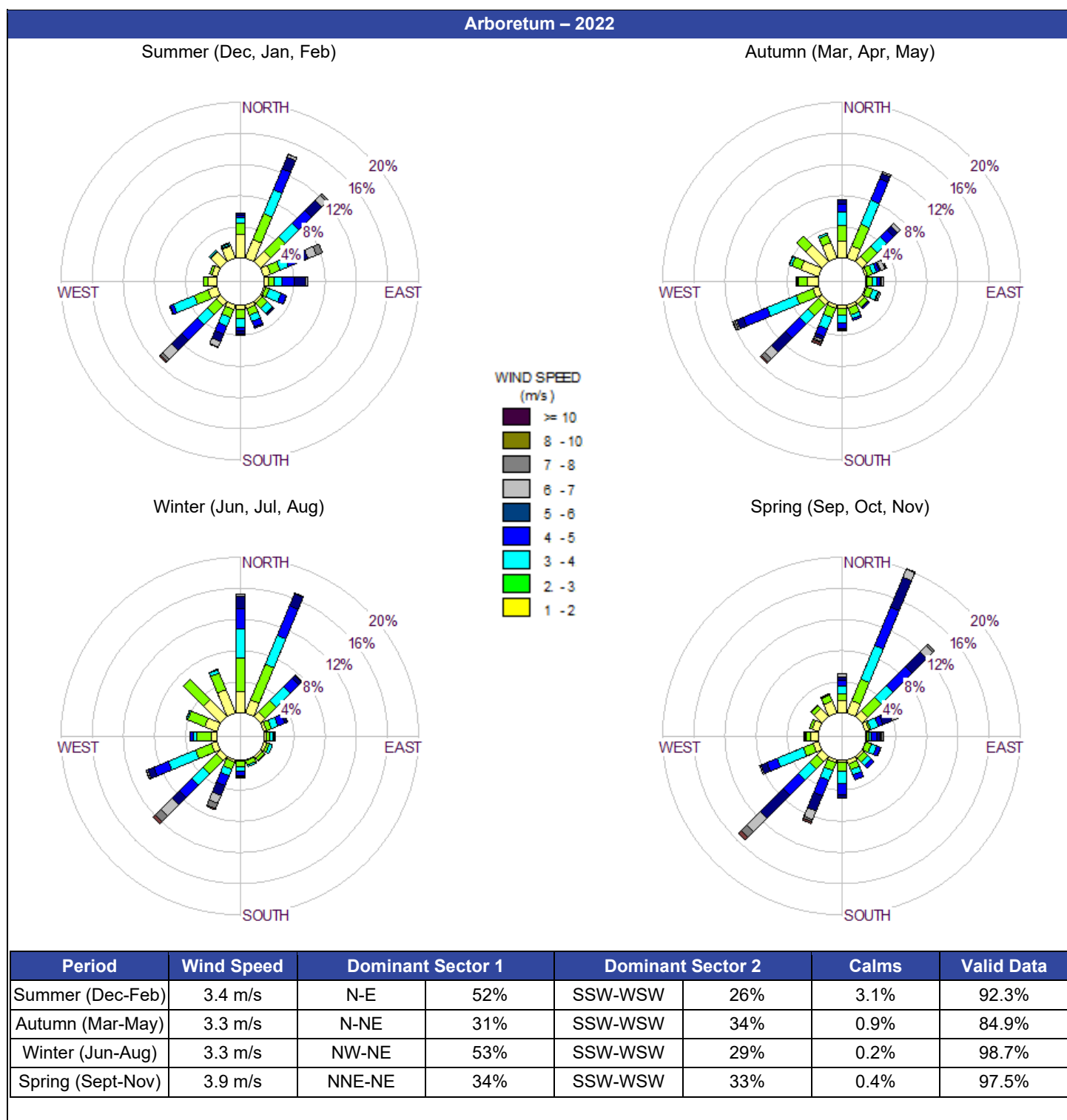


Figure 5: Wind roses - seasonal.

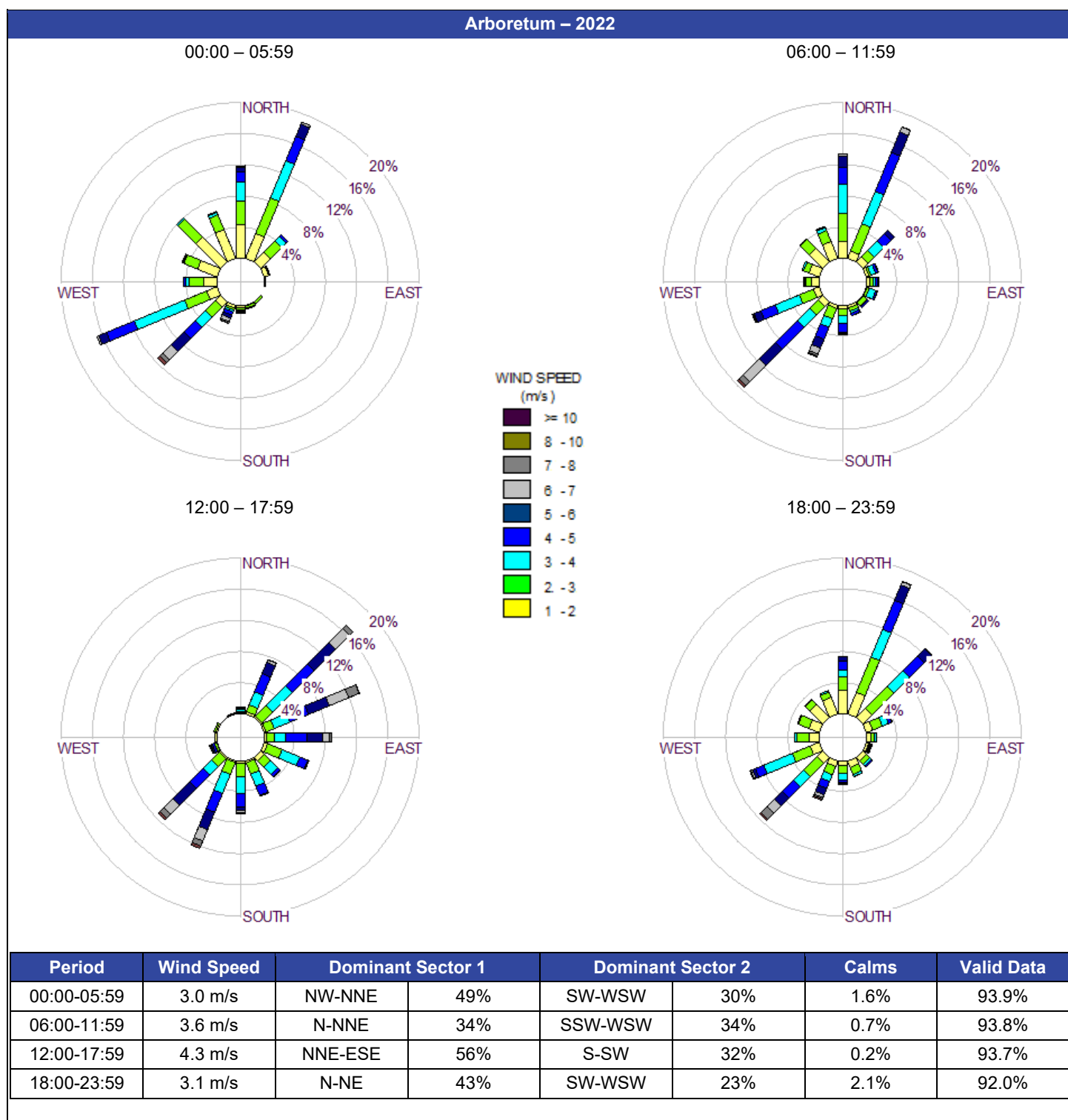


Figure 6: Wind roses - diurnal.

2.2. Rainfall

Precipitation is measured at four locations (Richards Bay, Felixton, RBCT and South32). The average rainfall across the network during 2022 was 1613 mm, which is 11% lower than that received in 2021 and 7% higher than the network average for the previous 5 years (Figure 7, Figure 8, Figure 9, Figure 10, Figure 11, and, Figure 8 see APPENDIX E for tables).

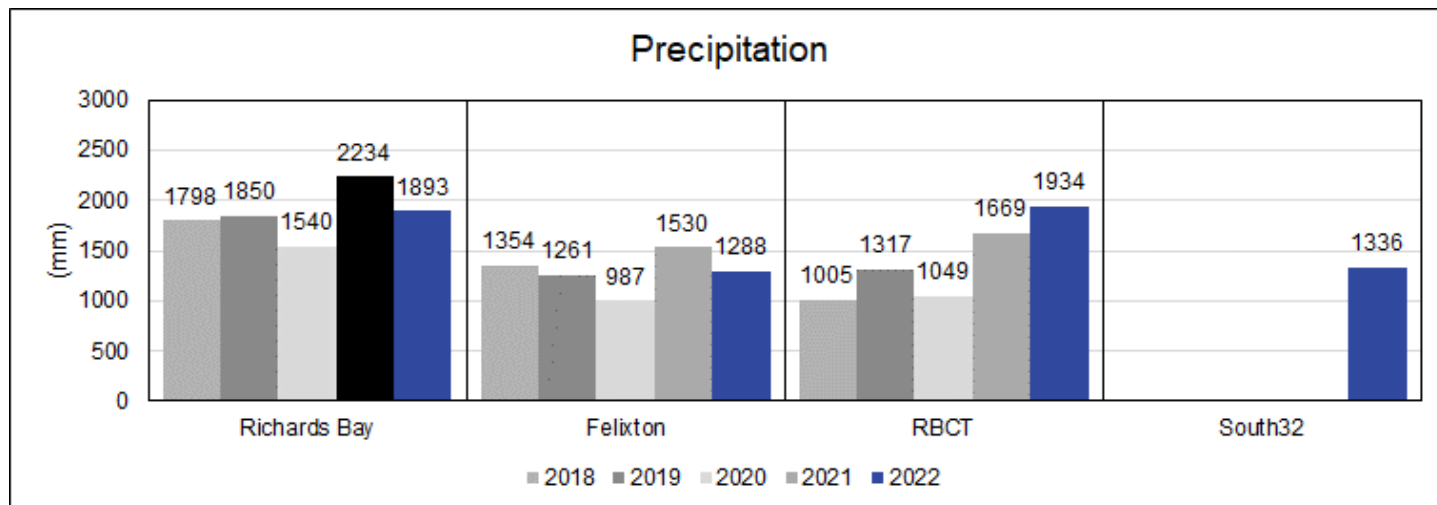


Figure 7: Rainfall 2018 - 2022

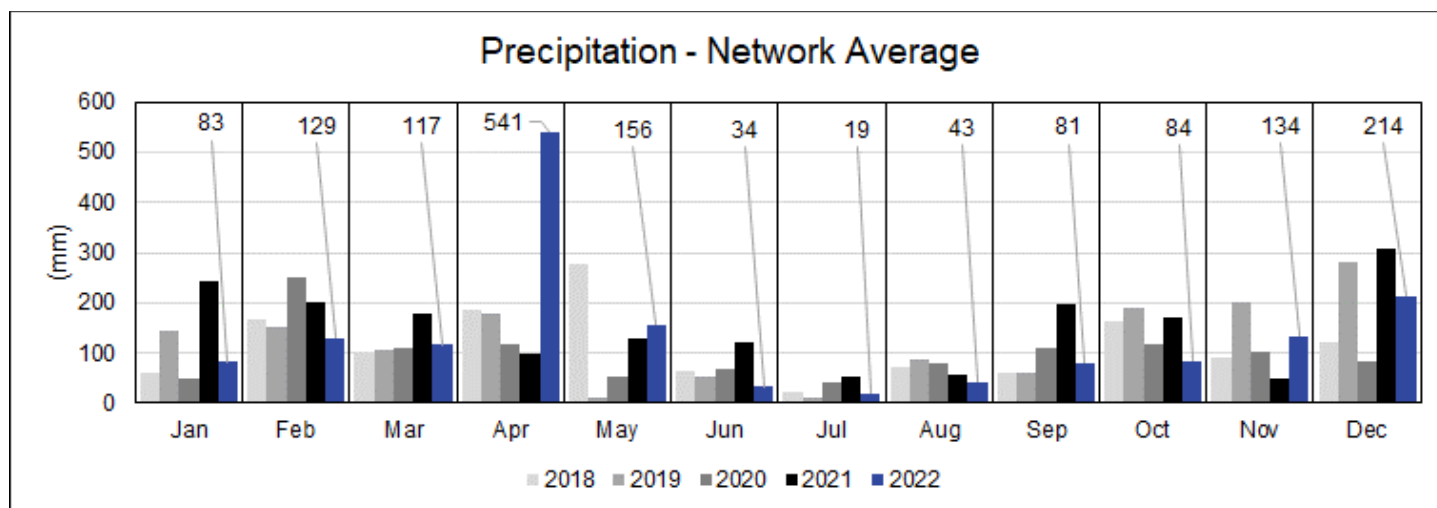


Figure 8: Precipitation - 2018 to 2022

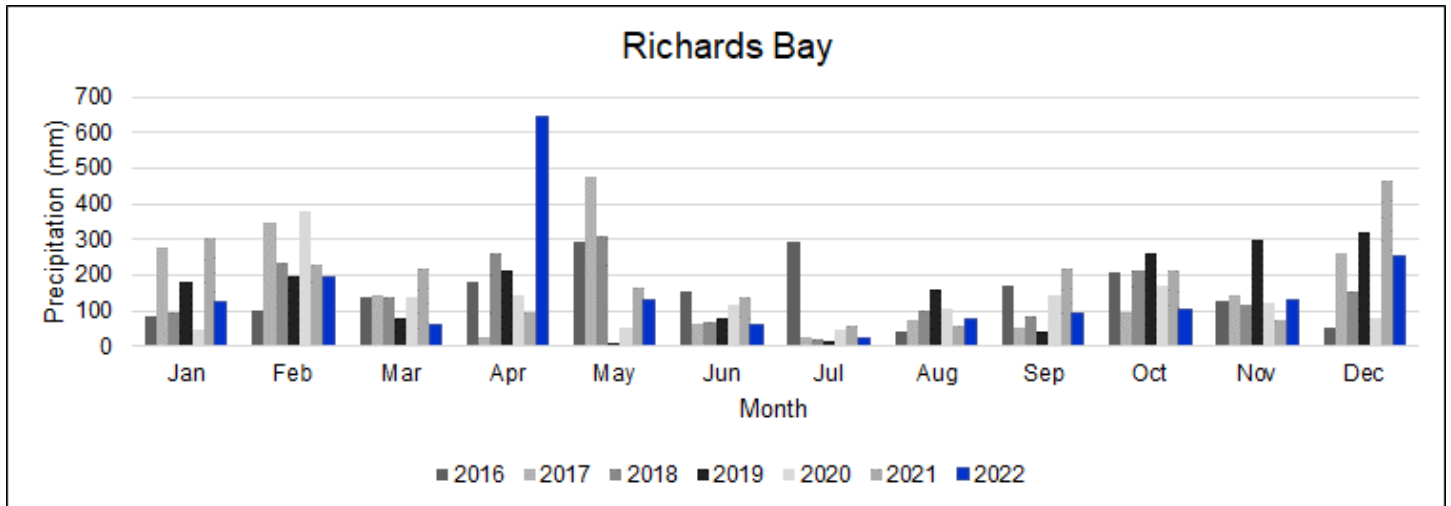


Figure 9: Rainfall –Richards Bay.

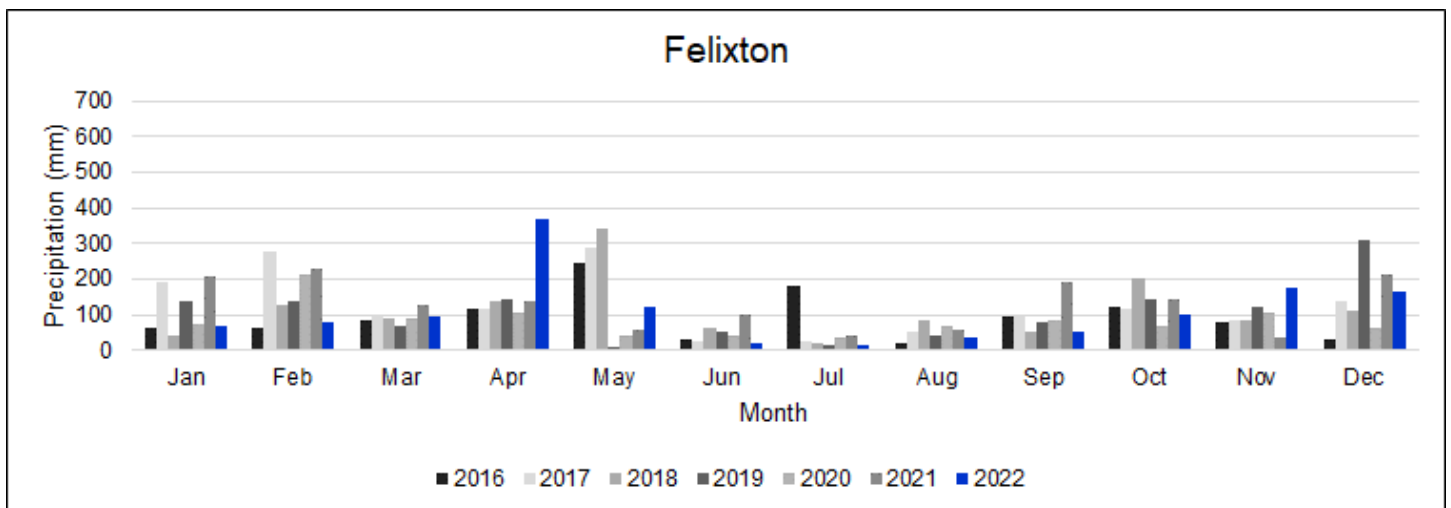


Figure 10: Rainfall – Felixton.

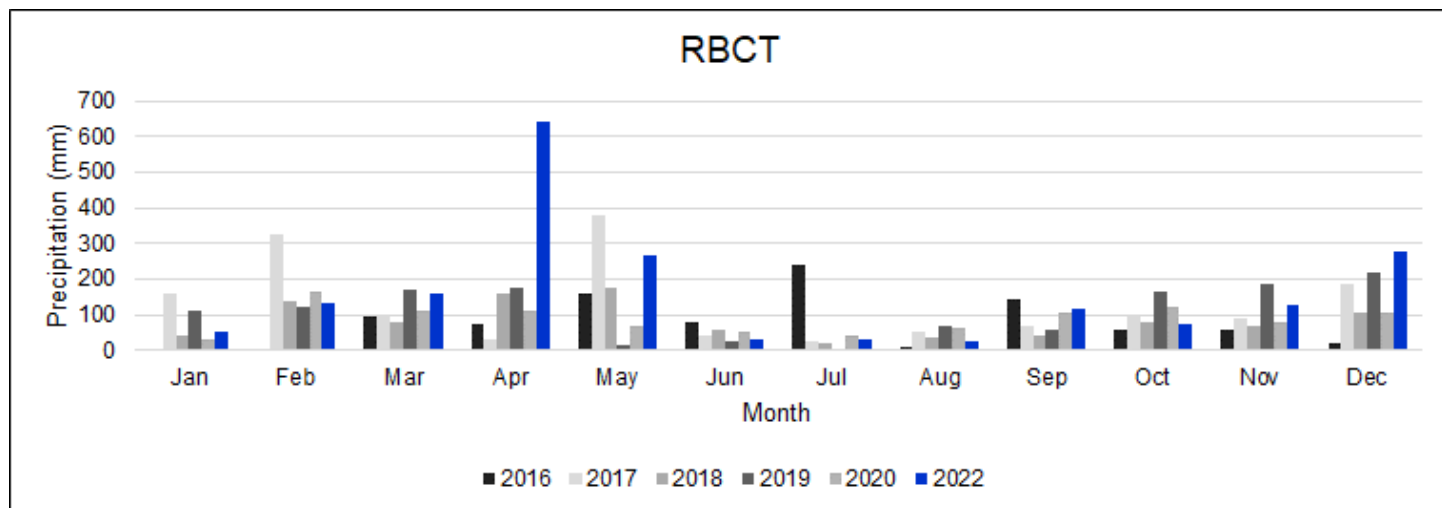


Figure 11: Rainfall – RBCT.

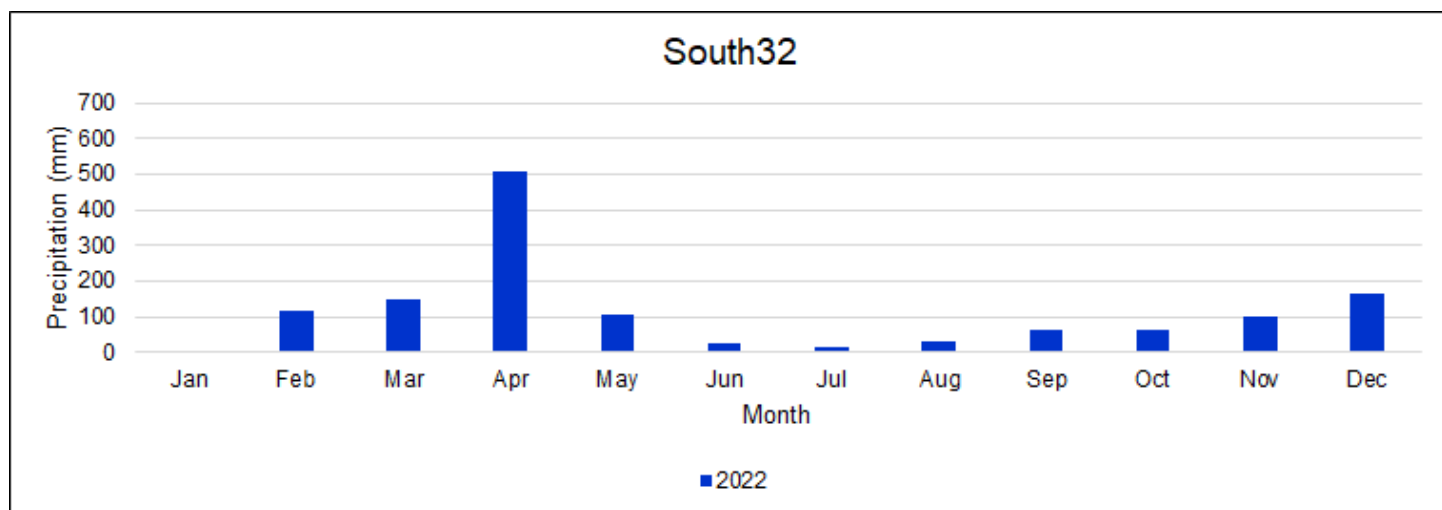


Figure 12: Rainfall – South32.

3. AIR QUALITY COMPLAINTS

Detailed complaint records are maintained, updated, and distributed weekly to the RBCAA's complaints mailing list. The following section summarises and analyses the complaints received. Please see APPENDIX F for the 2022 Complaints Log. The historical count of complaints per year since 2000 is reflected in Figure 13. From 2005 to 2017, there has been a downward trend; this has, however, reversed. The reversal is attributed to specific incidents in 2018, 2020, and 2022 (Figure 14). Eight hundred and seventy-five (875) air quality complaints were received during 2022; one hundred and fifty-six (156) complaints were logged in 2021.

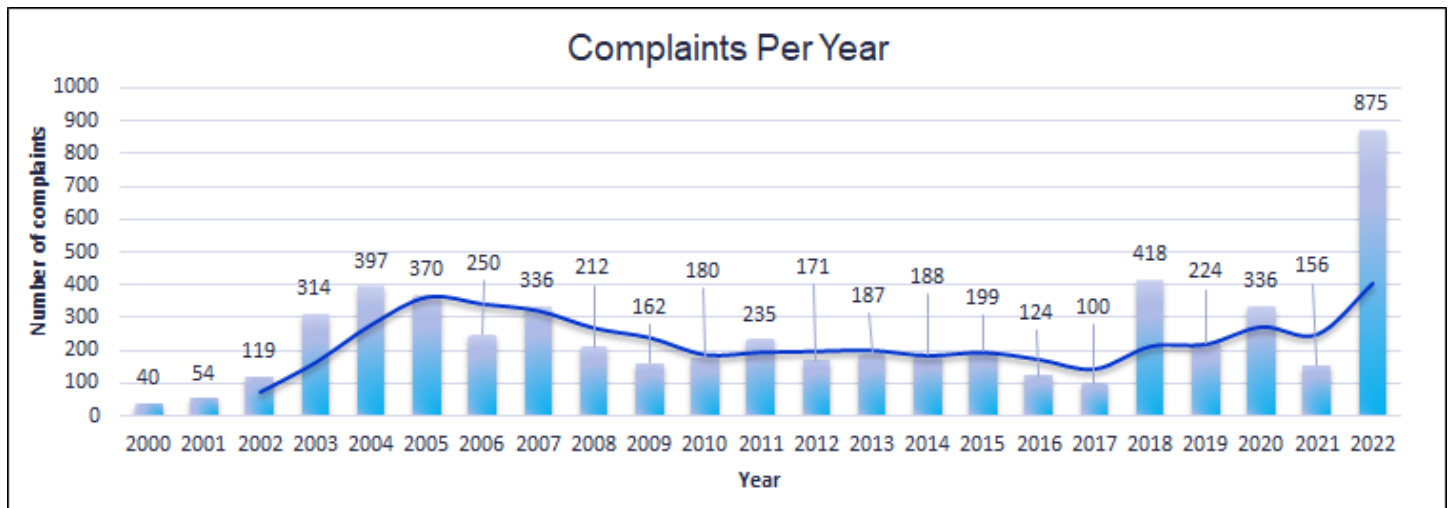


Figure 13: Complaints – annual comparison.

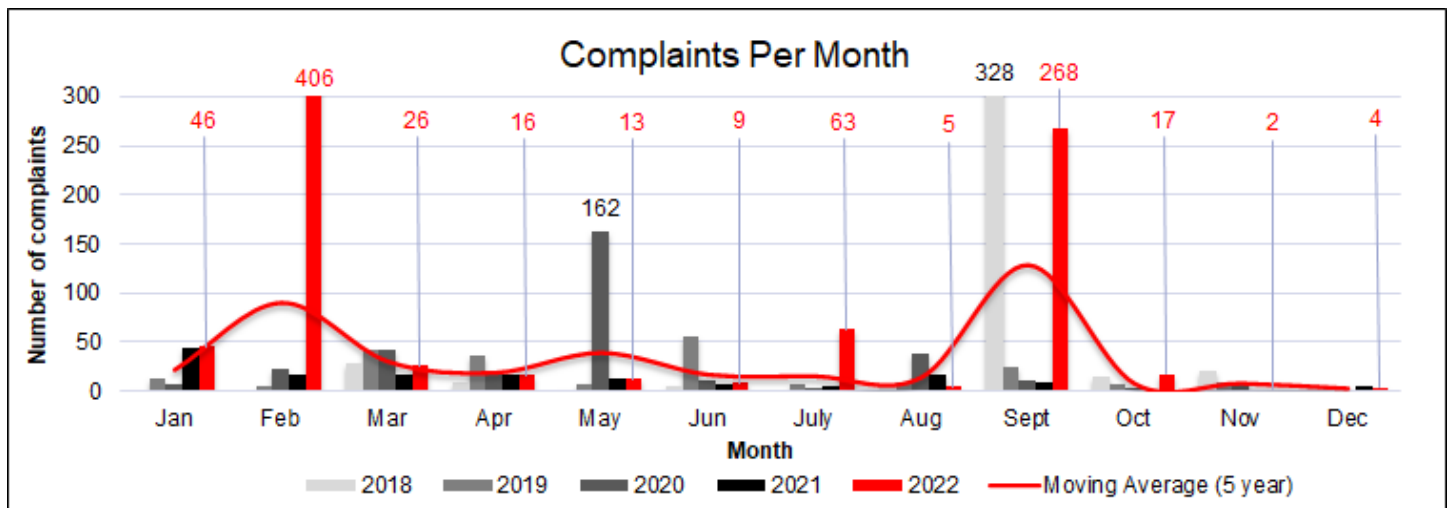


Figure 14: Complaints - historical monthly comparison.

- ▶ 2018 September – A process fault at Mondi in September resulted in the production of H₂S, which could not be managed (converted) by flaring (318 complaints).
- ▶ 2020 May - The emergency/backup power to the Mondi non-condensable gas system failed, which resulted in odorous emissions from venting points (159 complaints).
- ▶ 2022
 - February – This incident was linked to the release of SO₂ and SO₃ gas from Foskor³, although the industry has not accepted responsibility (370 complaints).
 - September – These complaints are of particulate emissions associated with the increased coal throughput and truck congestion at the Port of Richards Bay and allocated to TPT. (259 complaints – it should be noted that these complaints were not related to a single incident)

The distribution of complaints in 2022 and 2021 by region, source and type is presented as follows:

- ▶ Region (Figure 15):
 - 2022: Most complaints were from Arboretum (52%), Veldenvlei (9%), and Alton (6%); and in
 - 2021: Veldenvlei (33%), eNseleni (24%) and Felixton (9%).
- ▶ Type (Figure 16):
 - 2022: Most complaints were described as clinical (35%), coal dust (30%), and clinical plus odour(21%); and in
 - 2021: Odour and clinical (44%), fallout (38%), abnormal visible emissions (11%).
- ▶ Allocation (Figure 17):
 - 2022: Most complaints were allocated as an unknown source (48%), TPT (30%), Mondi (12%), and in
 - 2021: South32 (38%), Mondi (37%), and Foskor 11 (%).

³ The investigation report into this incident is available on the RBCAA website www.rbcaa.org.za .

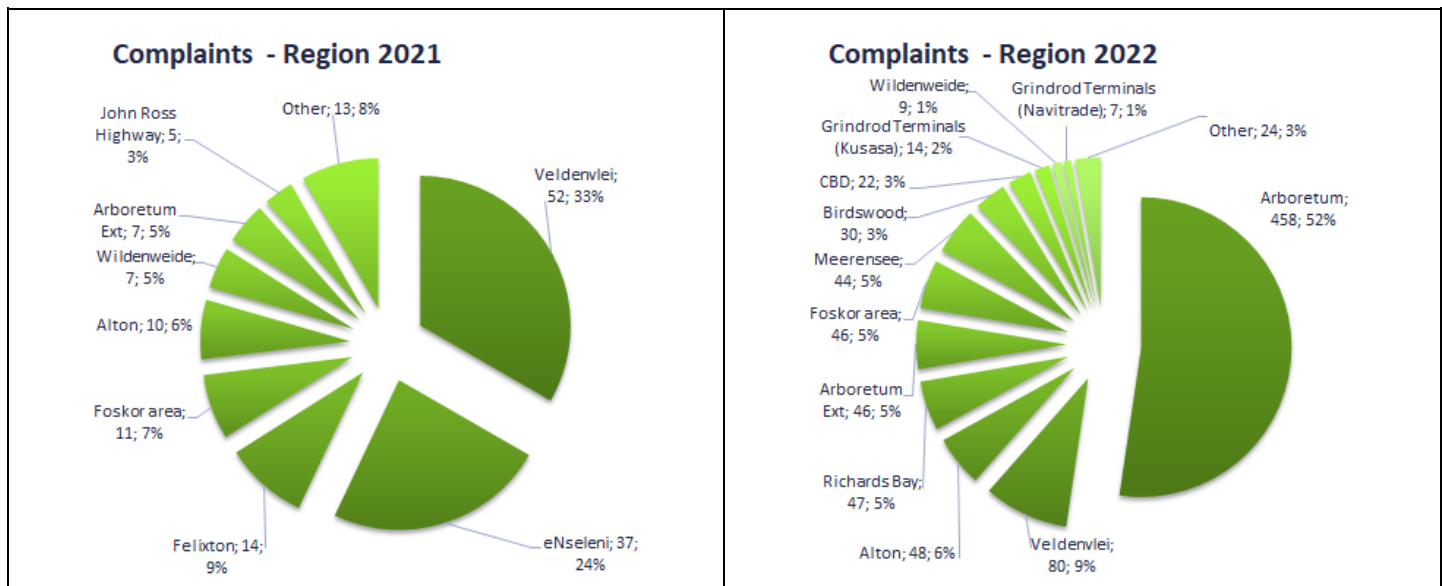


Figure 15: Complaints - region.

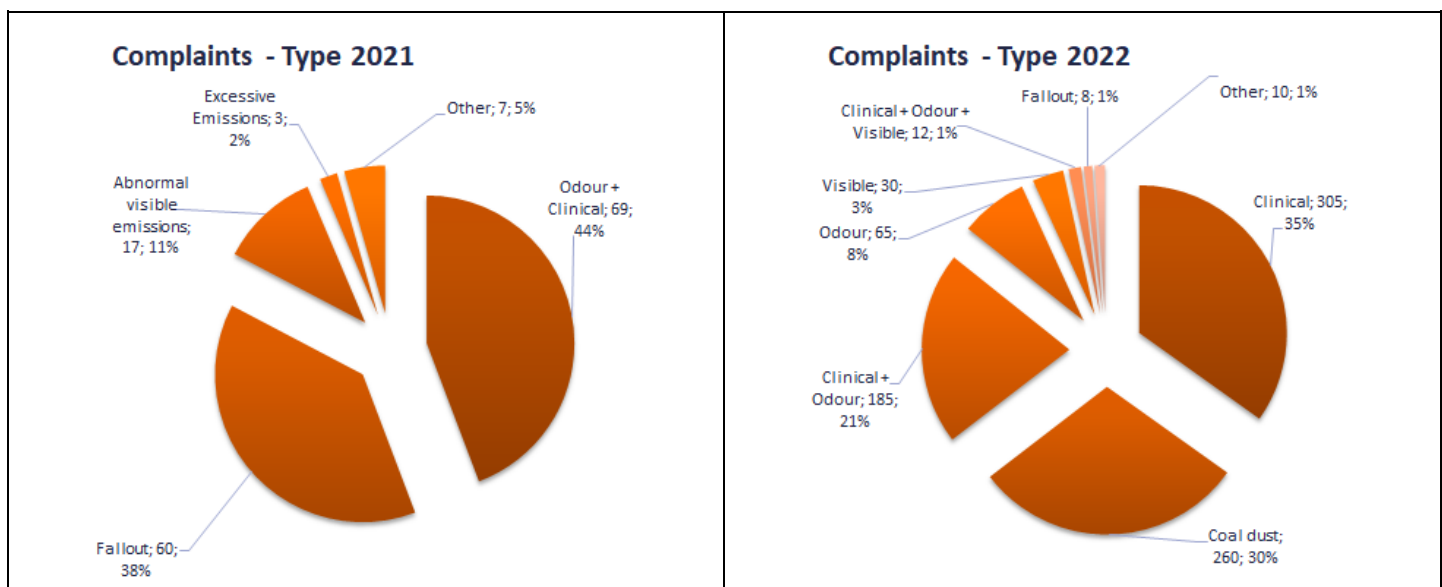
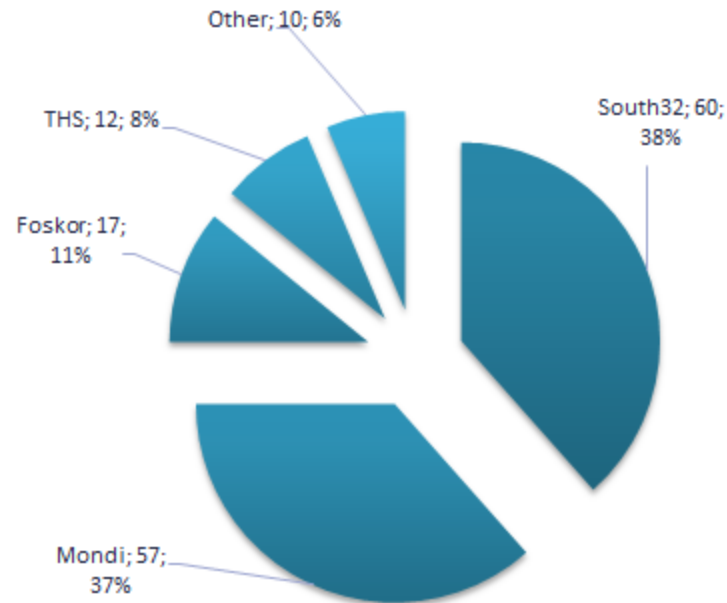


Figure 16: Complaints - type.

Complaints - Source 2021



Complaints - Source 2022

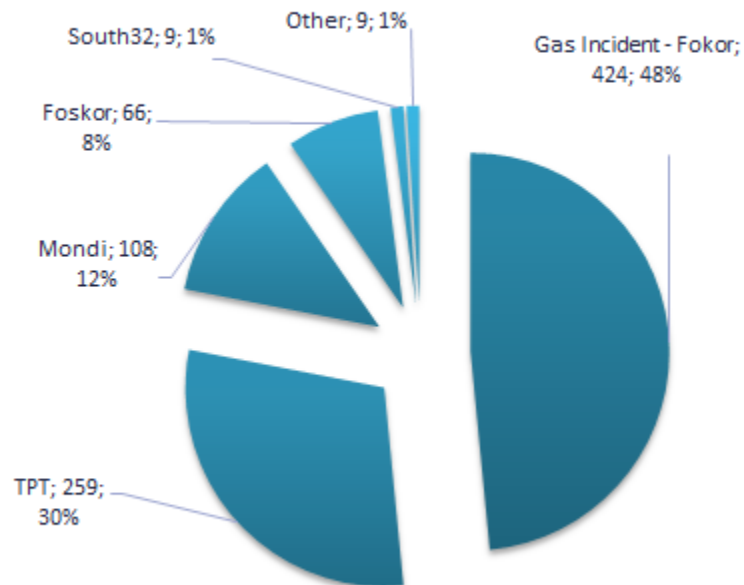


Figure 17: Complaints - source.

4. 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 diameter are classified as PM₁₀ and particles less than 2.5 micrometres (µm) in diameter as 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

TEOMs measure PM data continuously at Brackenham, CBD and eSikhaleni stations. PM monitoring at Felixton, Harbour West and Scorpio is performed using E-samplers.

4.1. PM Ambient Air Quality Standards

Ambient air quality standards for particulates are listed below (Table 6).

Table 6: 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 (the 24th of December 2009) in terms of the National Environmental Management: Air Quality Act No. 39 of 2004, effective from 2015 (RSA-NEMAQA, 2009).
- b) Not to be exceeded more than four (4) times in one year.
- c) Not to be exceeded.
- d) Government Gazette 35463 (the 29th of June 2009) in terms of the National Environmental Management: Air Quality Act No. 39 of 2004, effective from 2015 (RSA-NEMAQA, 2012).
- e) World Health Organisation (WHO, 2021).

4.2. PM Annual Concentrations

Annual average concentrations dating back to 2004 are illustrated in Figure 18. The 5-year Mann Kendall Trend⁴ for CBD and eSikhaleni is decreasing. The lower particulate concentrations in 2020 and 2021 could be; an effect of the decreased commercial activity during the pandemic lockdown in those years.

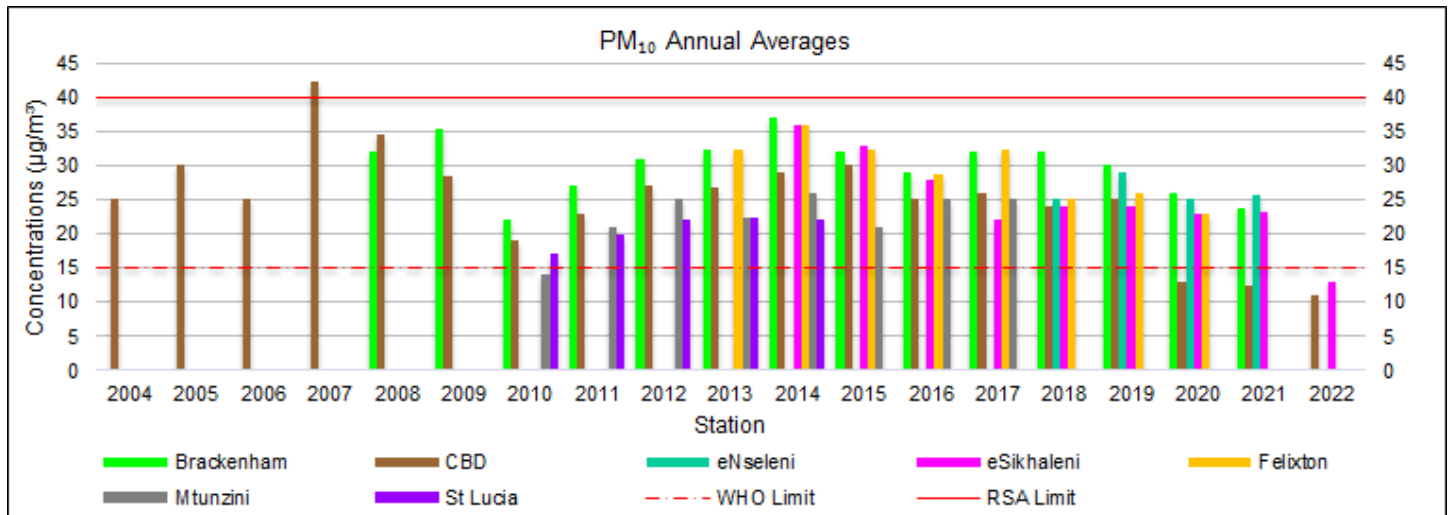


Figure 18: PM₁₀ annual average concentrations (2004 to 2022)

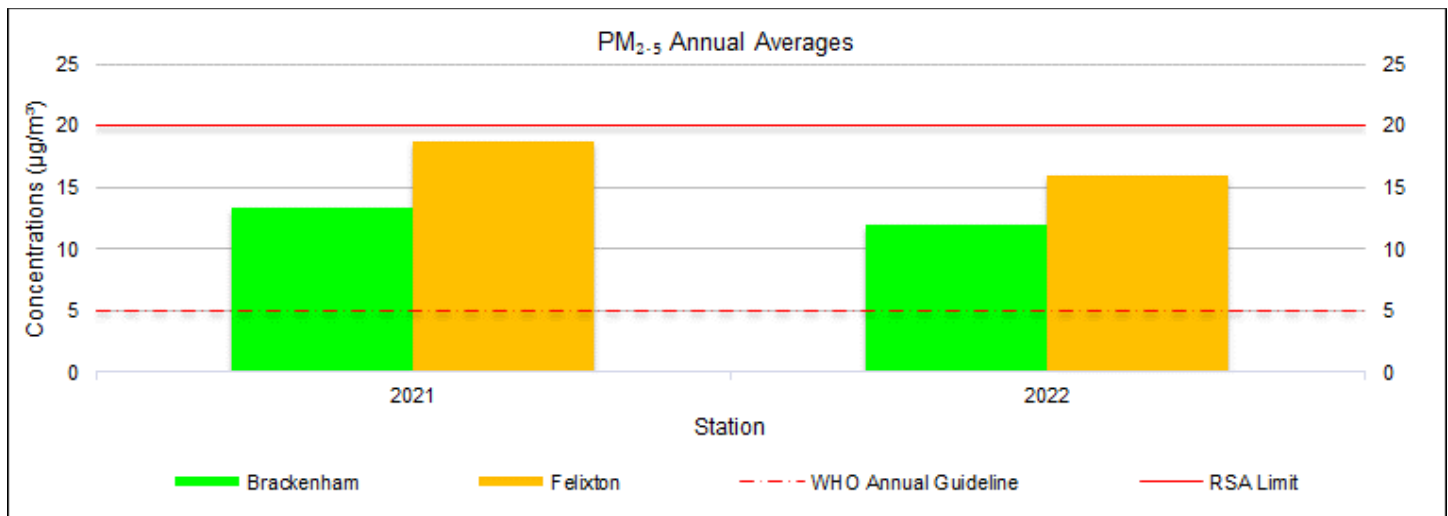


Figure 19: PM_{2.5} annual average concentrations (2021 to 2022)

⁴ The Mann Kendall Trend Test is sometimes also named as Kendall's tau test or Mann Kendall Test (or M-K test). This test is utilized for the analysis of data that is collected for a sufficient period for representing a continuous increasing or decreasing trends in Y values. This test is non-parametric, and it applies to all types of distributions known and therefore, does not need the data to meet any specified assumptions of normality.

Compared to 2022, the 2021 annual average PM_{10} concentrations at CBD were similar (differed by 10% or less from the limit) and at eSikhaleni lower (Figure 20).

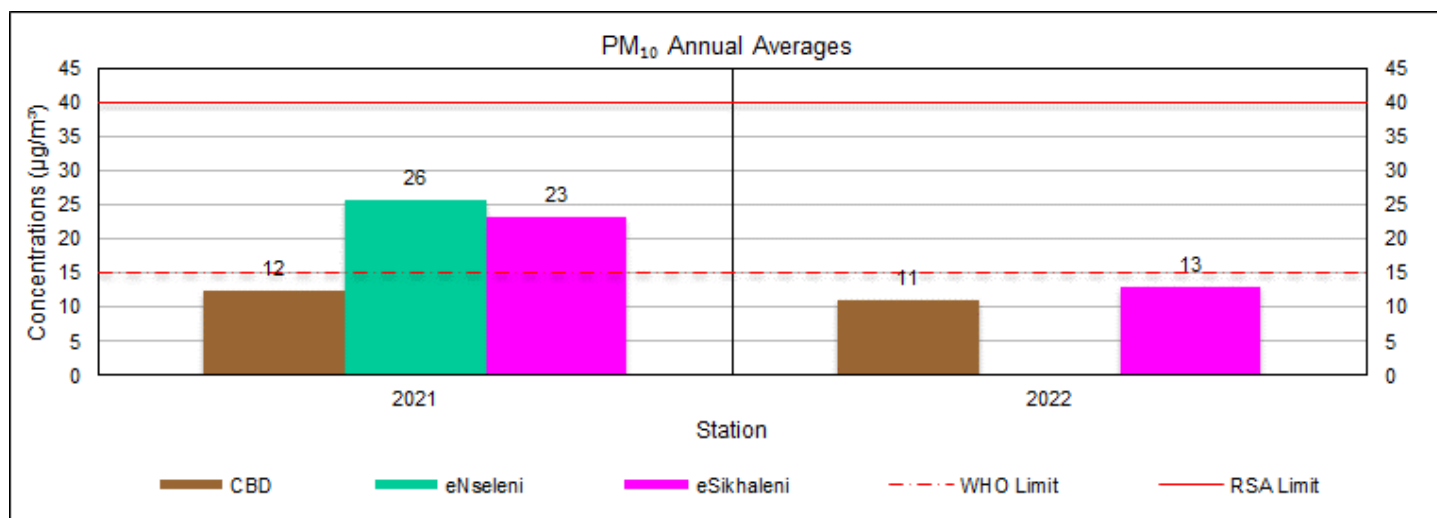


Figure 20: PM_{10} annual average concentration (2021 to 2022).

Compared to 2022, the 2021 annual average $PM_{2.5}$ concentrations at Brackenhams and Felixton were similar (differed by 10% or less from the limit) (Figure 21).

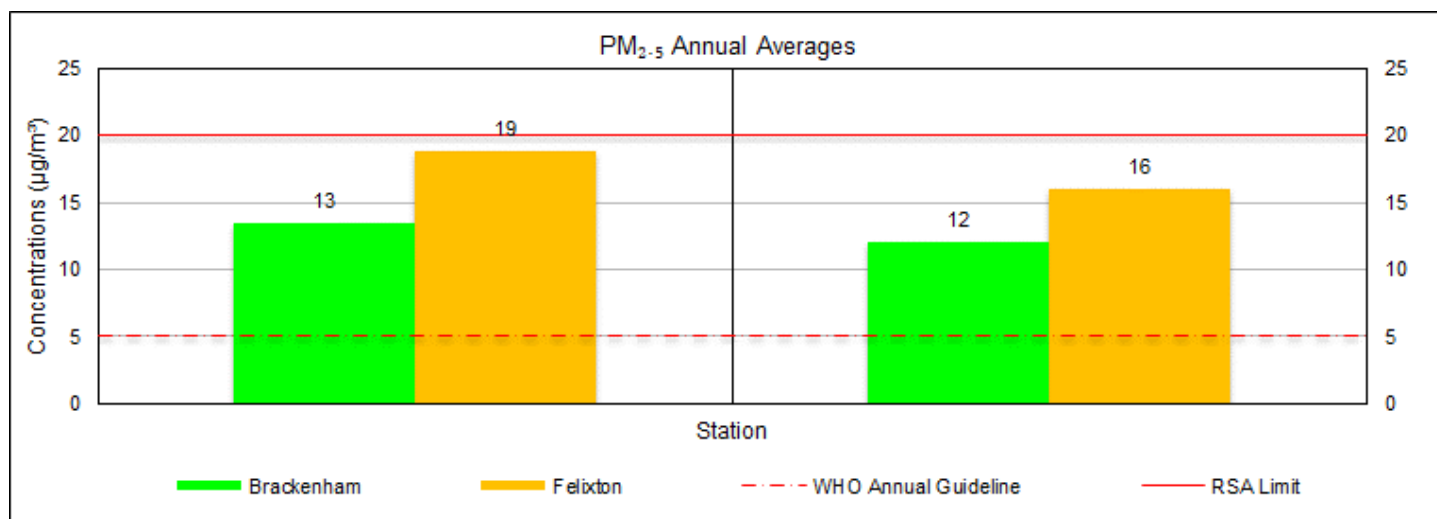


Figure 21: $PM_{2.5}$ annual average concentration (2021 to 2022).

Annual average PM_{10} concentrations did not exceed the RSA WHO Limits.

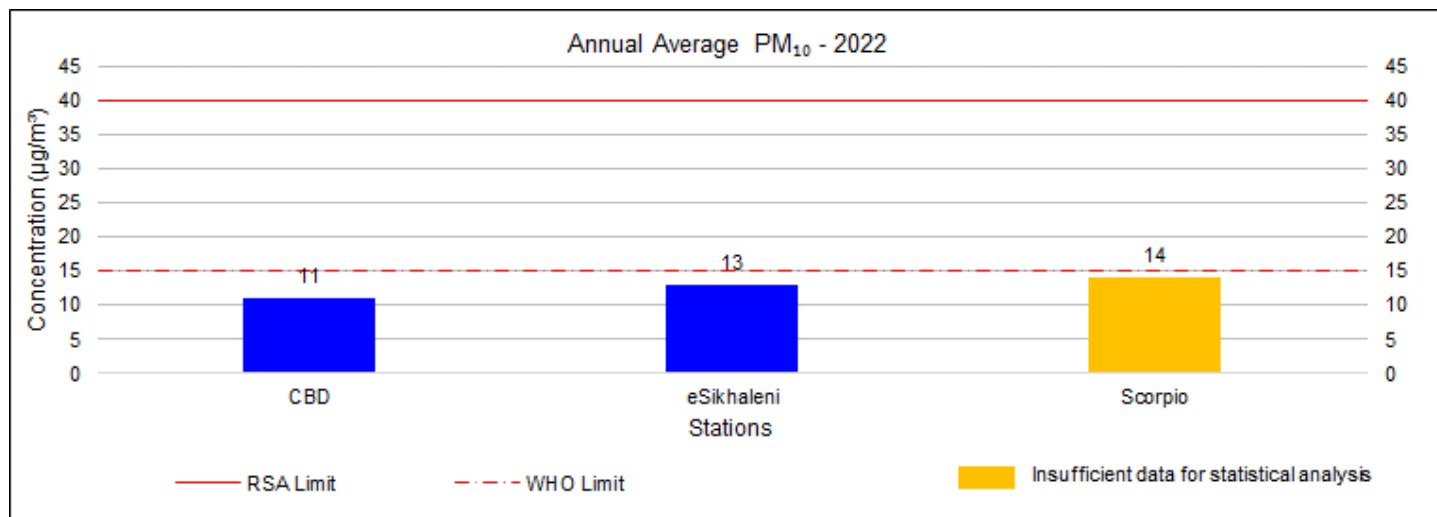


Figure 22: PM_{10} annual average concentration.

Note: Scorpio started collecting PM_{10} data in December; annual average data for these stations are provided for information purposes only.

Annual average $PM_{2.5}$ concentrations did not exceed the RSA Limit; the WHO Limit was exceeded at Brackenham and Felixton (Figure 23).

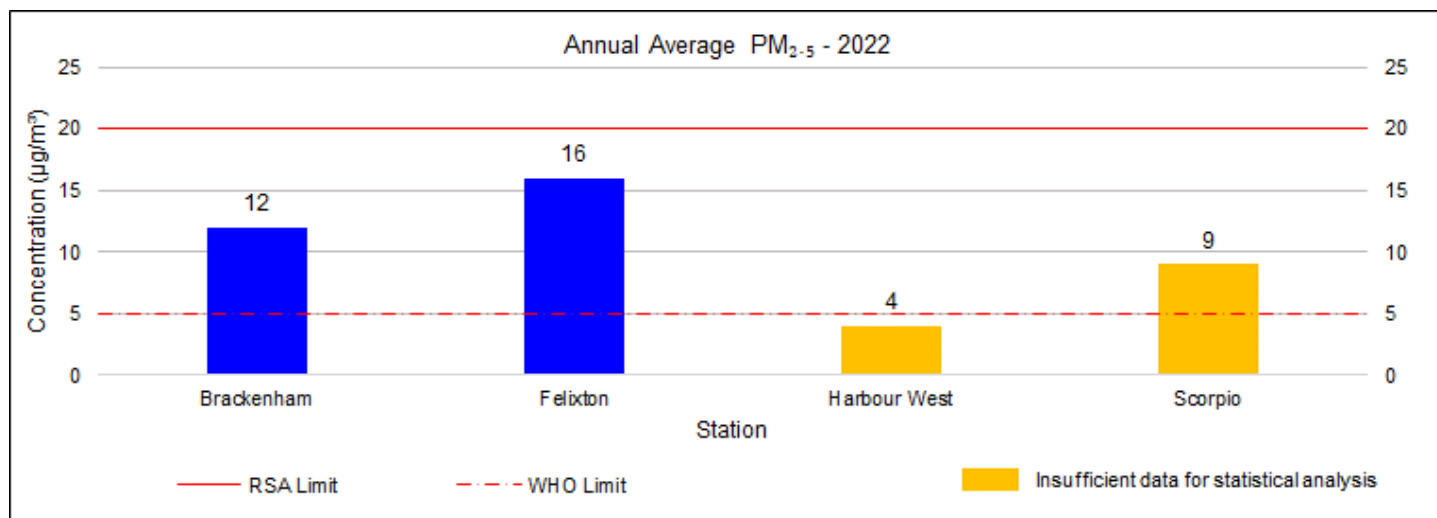


Figure 23: $PM_{2.5}$ annual average concentration.

Note: Harbour West and Scorpio started collecting $PM_{2.5}$ data in December; annual average data for these stations is provided for information purposes only.

4.3. PM Monthly Concentrations

Monthly comparisons are provided in Figure 24 and Figure 25.

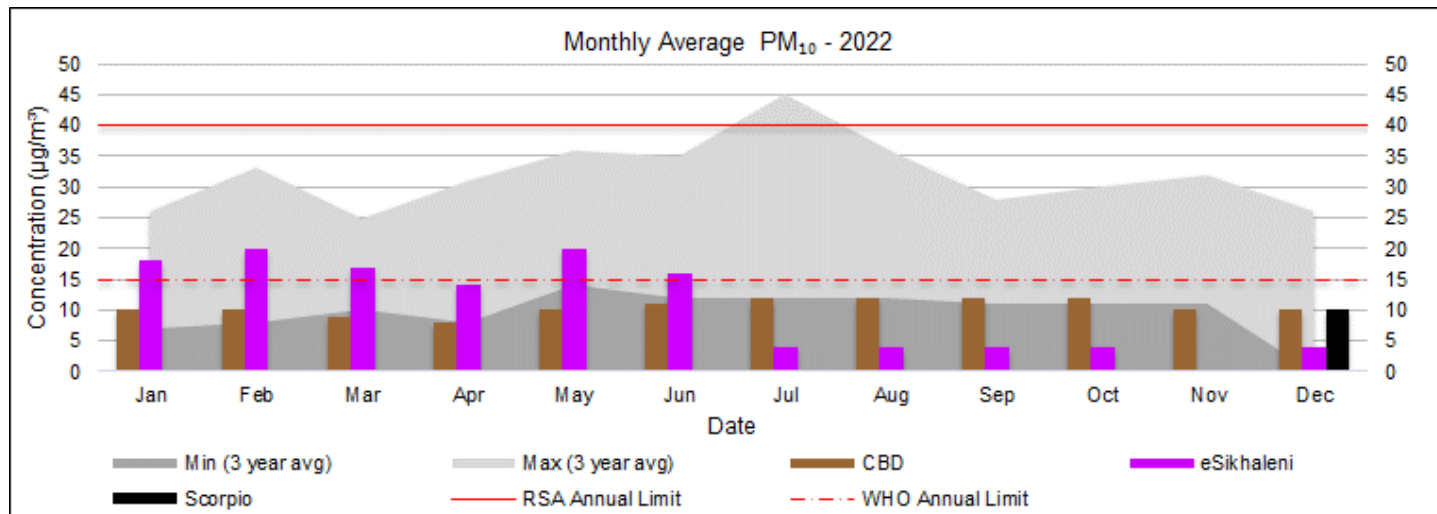


Figure 24: PM₁₀ monthly concentrations.

Note: Scorpio was commissioned in December 2022.

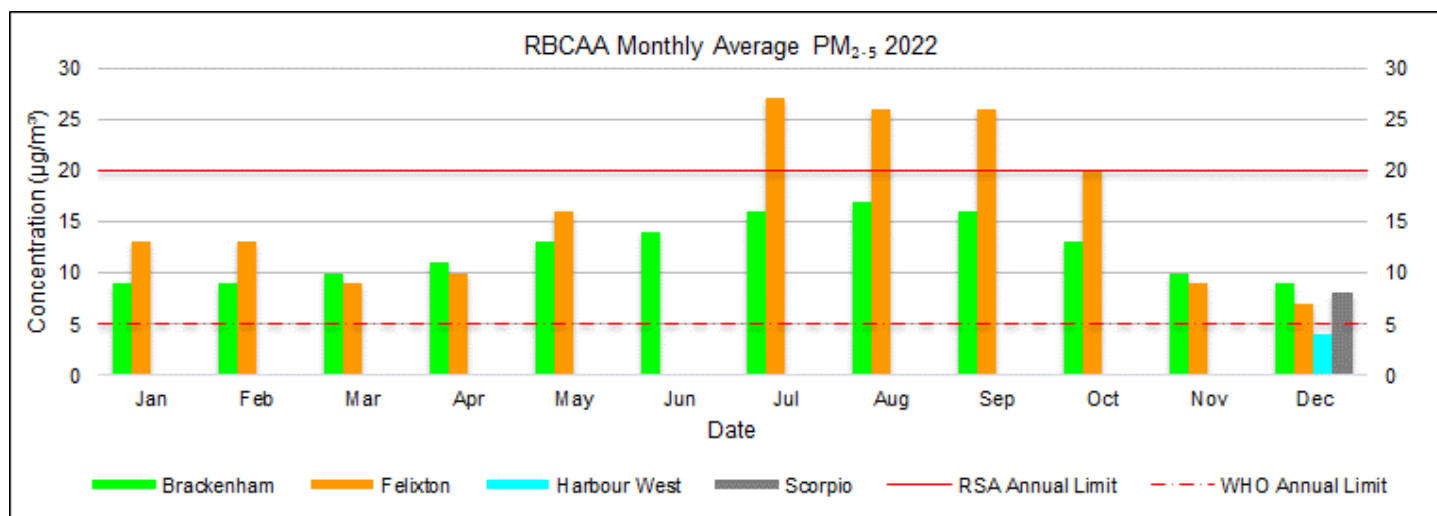


Figure 25: PM_{2.5} monthly concentrations.

Note: Harbour West and Scorpio were commissioned in December 2022.

4.4. PM Daily Concentrations

Daily average PM₁₀ concentrations are shown in Figure 26; there were:

- ▶ There were no measured exceedances of the RSA Limit (75 µg/m³); the RSA Standard, which allows four (4) exceedances of the limit per year, was therefore not exceeded; and,
- ▶ There were no measured exceedances of the WHO Limit (45 µg/m³).

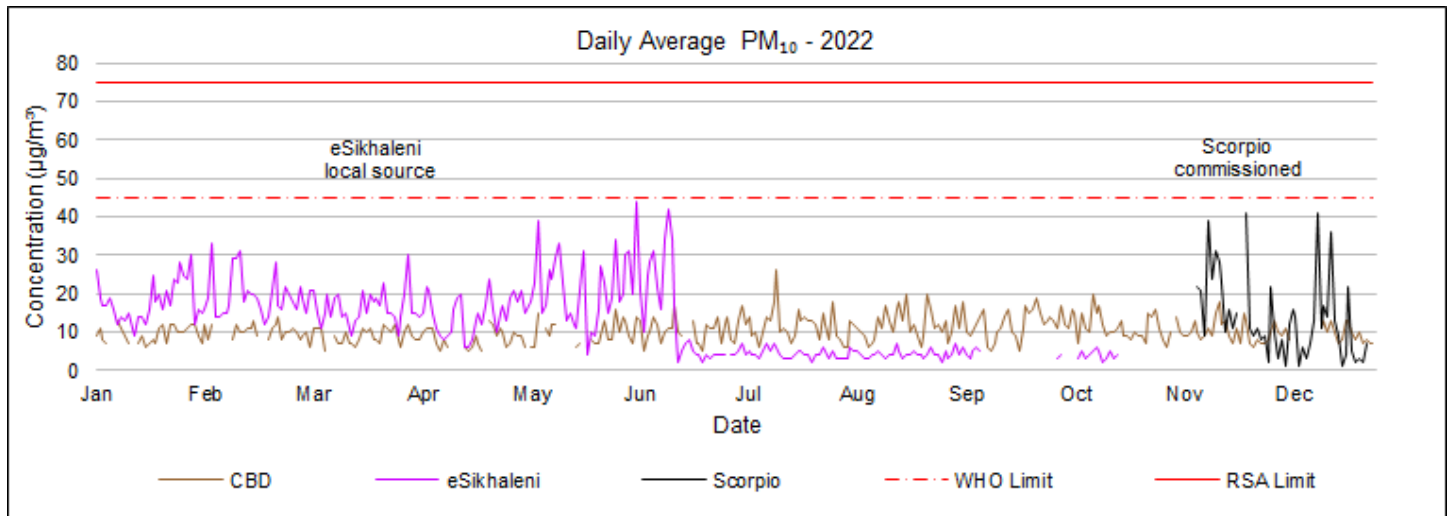


Figure 26: PM₁₀ daily average concentrations.

Note: eSikhaleni local source Jan to June, plus issues with the inverter after September. Scorpio was commissioned in December 2022.

Daily average PM_{2.5} concentrations are shown in Figure 27; there were:

- ▶ Fourteen (14) measured exceedances of the RSA Limit (40 µg/m³) (Table 7), the RSA Standard, which allows four (4) exceedances per year, was therefore exceeded at Felixton
- ▶ Two hundred (200) measured exceedances of the WHO Limit (15 µg/m³) (Table 8).

Table 7: PM_{2.5} daily average exceedance allocations (RSA).

PM _{2.5} Daily RSA Limit (40µg/m ³)	14
Brackenham	1
Unknown Source - further investigation required	1
Felixton	13
THS	4
Unknown Source - further investigation required	9

Table 8: PM_{2.5} daily average exceedance allocations (WHO).

PM _{2.5} Daily WHO Limit (15 µg/m ³)	200
Brackenham	78
No response required	78
Felixton	122
No response required	122

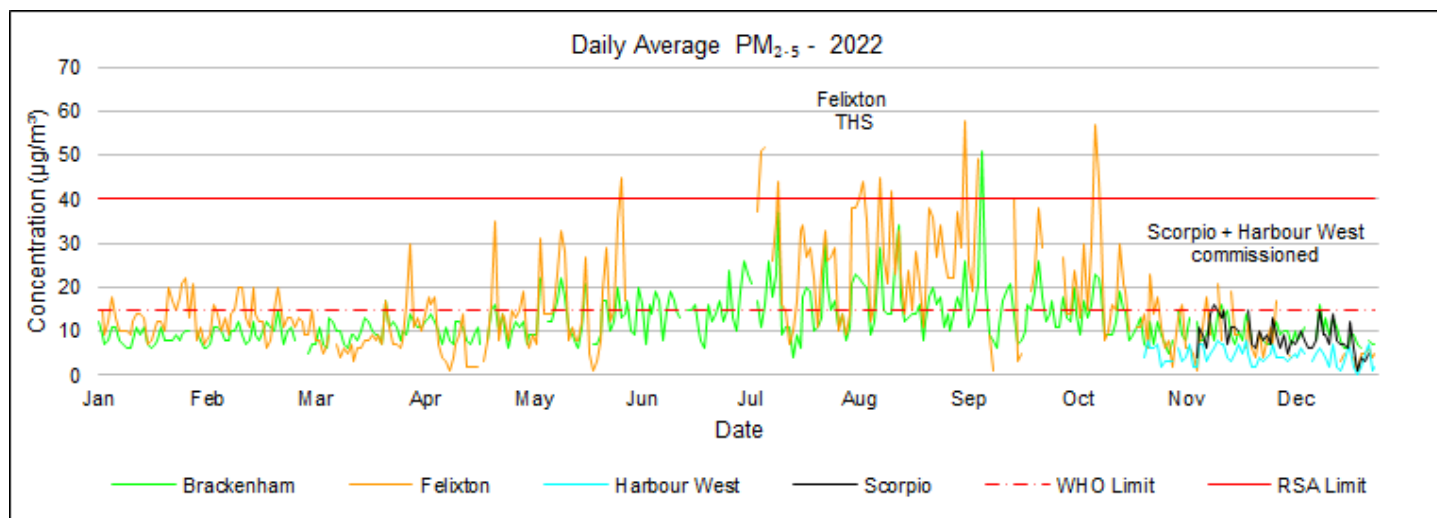


Figure 27: PM_{2.5} daily average concentrations.

Note: Harbour West and Scorpio were commissioned in December 2022.

4.5. PM Diurnal Concentrations

Diurnal PM concentrations are shown below (Figure 28 and Figure 29).

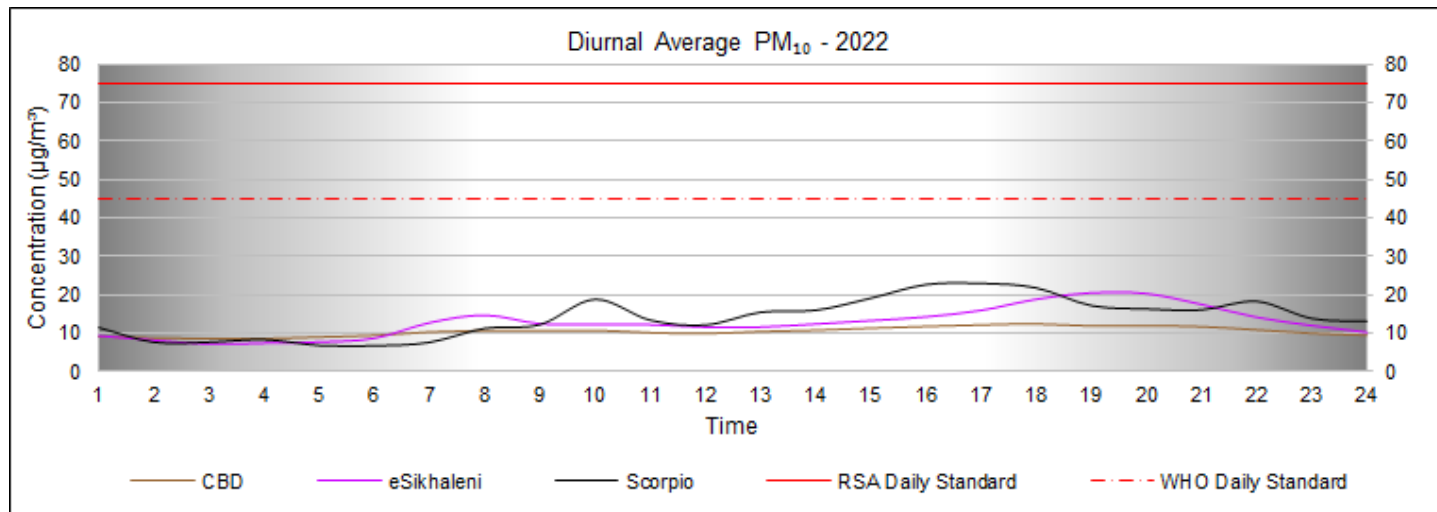


Figure 28: PM₁₀ diurnal concentrations.

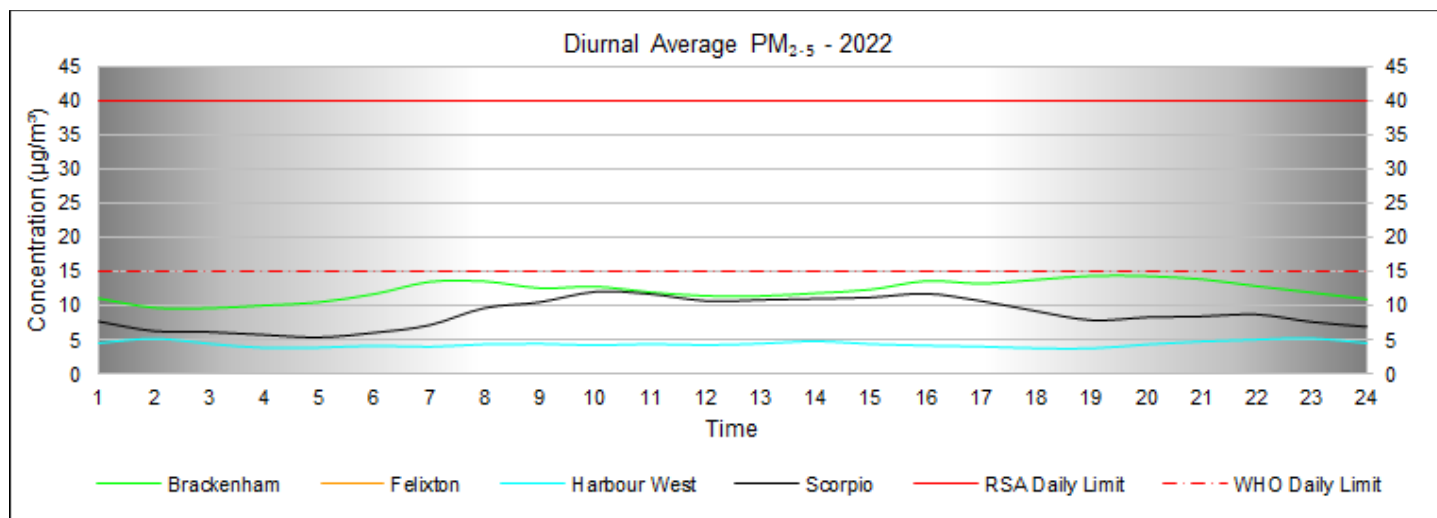


Figure 29: PM_{2.5} diurnal concentrations.

4.6. PM Exceedances

There were no measured PM₁₀ exceedances during 2022. Annual comparisons of the number of days on which PM_{2.5} exceedances occurred are shown in Figure 30.

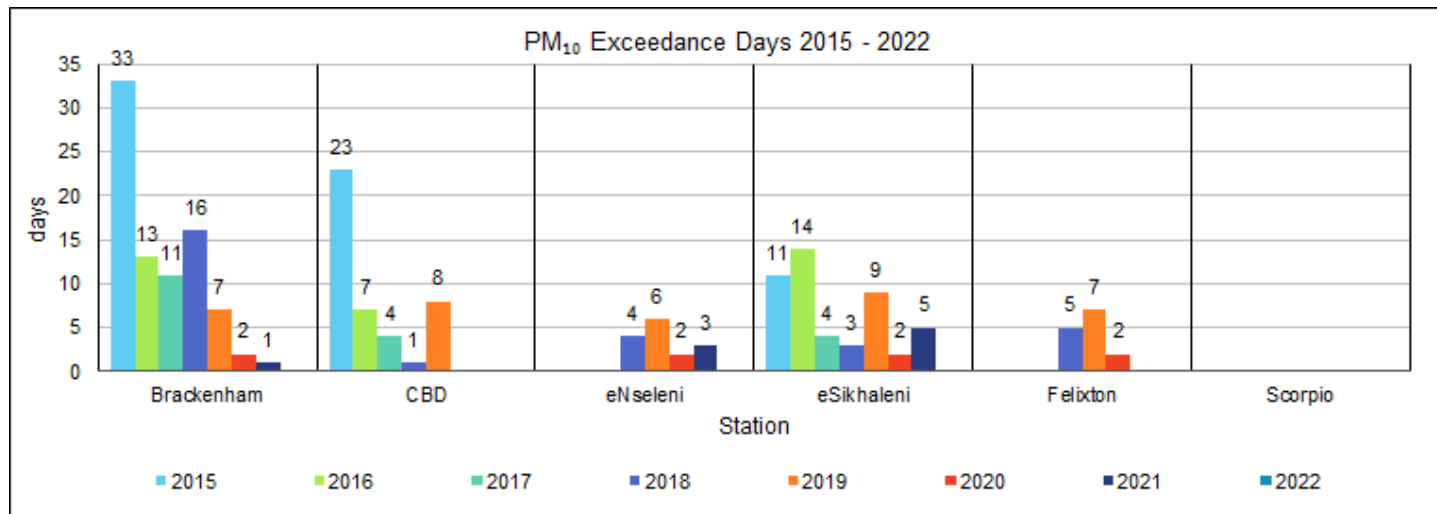


Figure 30: PM₁₀ exceedance days (2015 to 2022)

Annual and monthly (2022) comparisons of the number of days; on which PM_{2.5} exceedances occurred are shown in Figure 31 and Figure 32. According to the Relative Air Quality Index (AQI), the areas where no exceedances were measured may be considered good air quality with respect to PM_{2.5}.

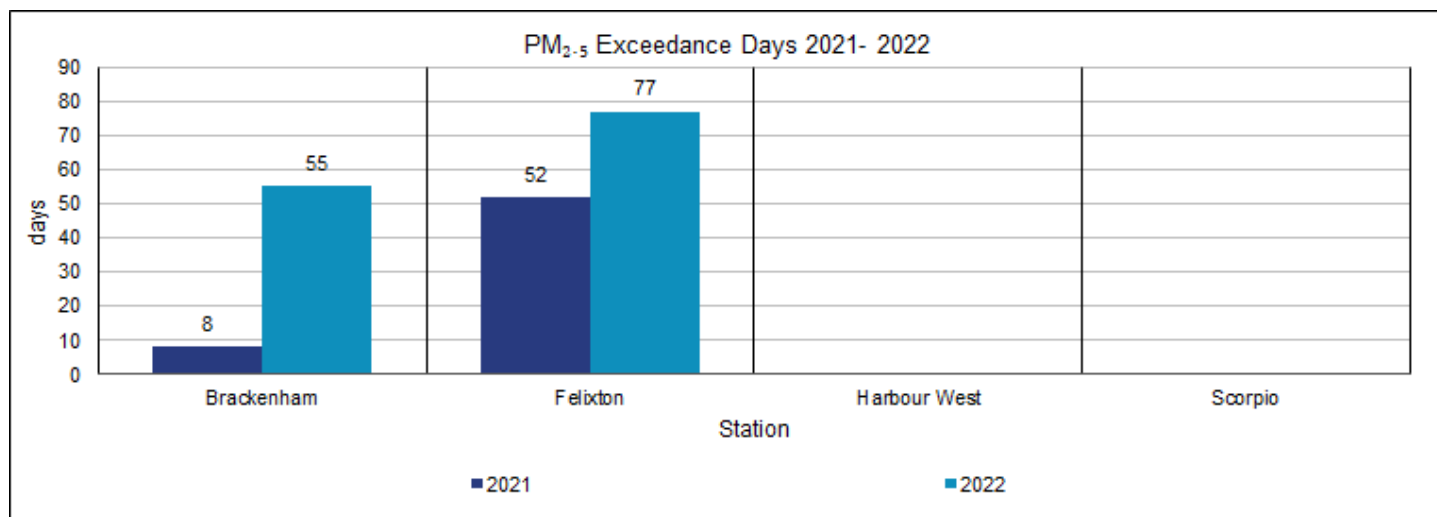


Figure 31: PM_{2.5} exceedance days 2021 - 2022

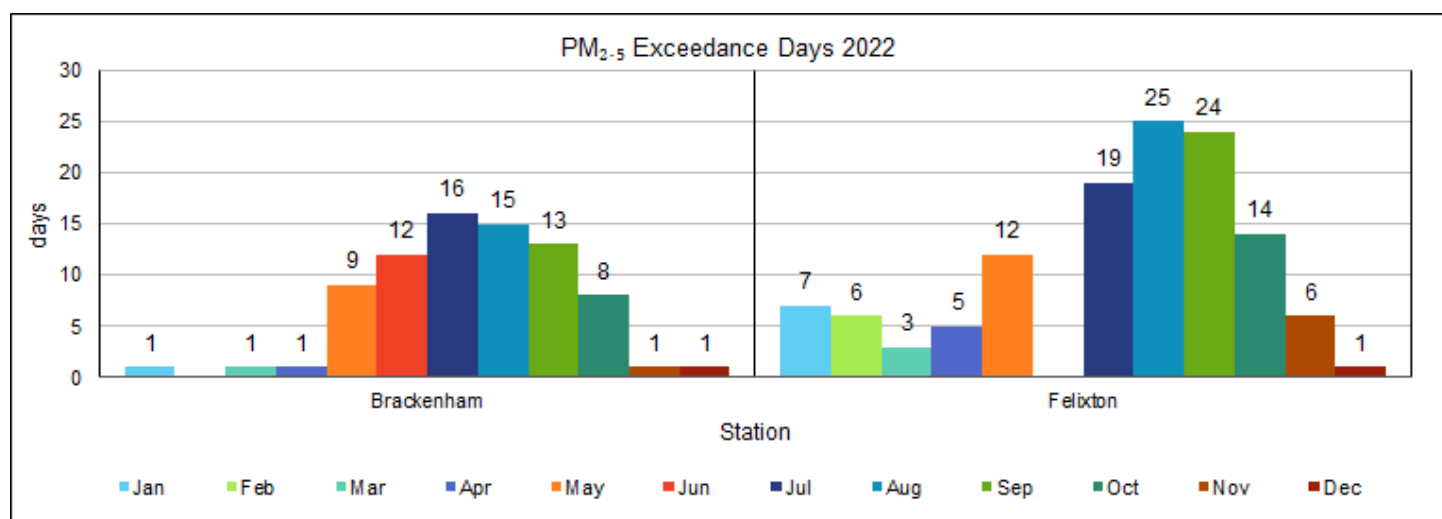


Figure 32: PM_{2.5} exceedance days per month 2022.

5. SULPHUR DIOXIDE MONITORING

Sulphur dioxide (SO₂) is one gas; of a group of highly reactive gasses 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

5.1. SO₂ Ambient Air Quality Standards

South African ambient air quality standards for SO₂ are listed below (Table 9).

Table 9: 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 (published on the 24th of 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. Not to be exceeded more than four (4) times in one year.
- d) Not to be exceeded.
- e) World Health Organisation (WHO, 2021).

5.2. SO₂ Annual Concentrations

Annual average concentrations dating back to 1997 are illustrated in Figure 33. The 5-year Mann Kendall Trend for Arboretum and Brackenham is stable, CBD probably increasing, eSikhaleni and Felixton decreasing. No trend was observable for Harbour West and Scorpio.

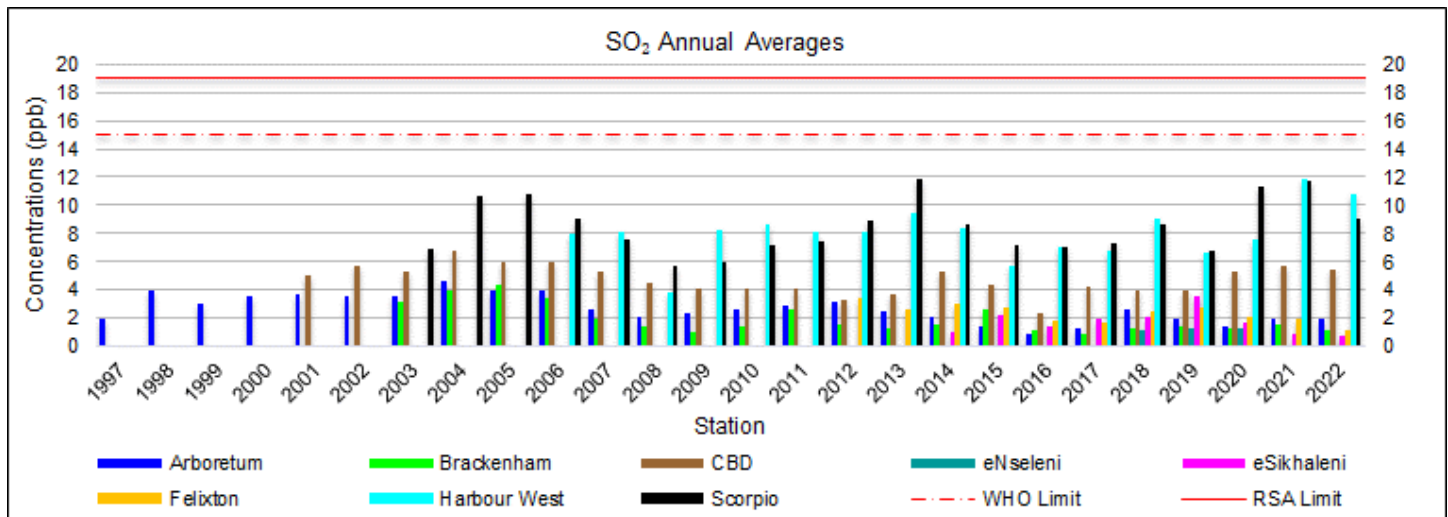


Figure 33: SO₂ annual average concentration (1997 to 2022).

Comparing; 2022 to 2021, annual average SO₂ concentrations at most stations were similar (differed by 10% or less from the limit); however, concentrations at Scorpio decreased (Figure 34).

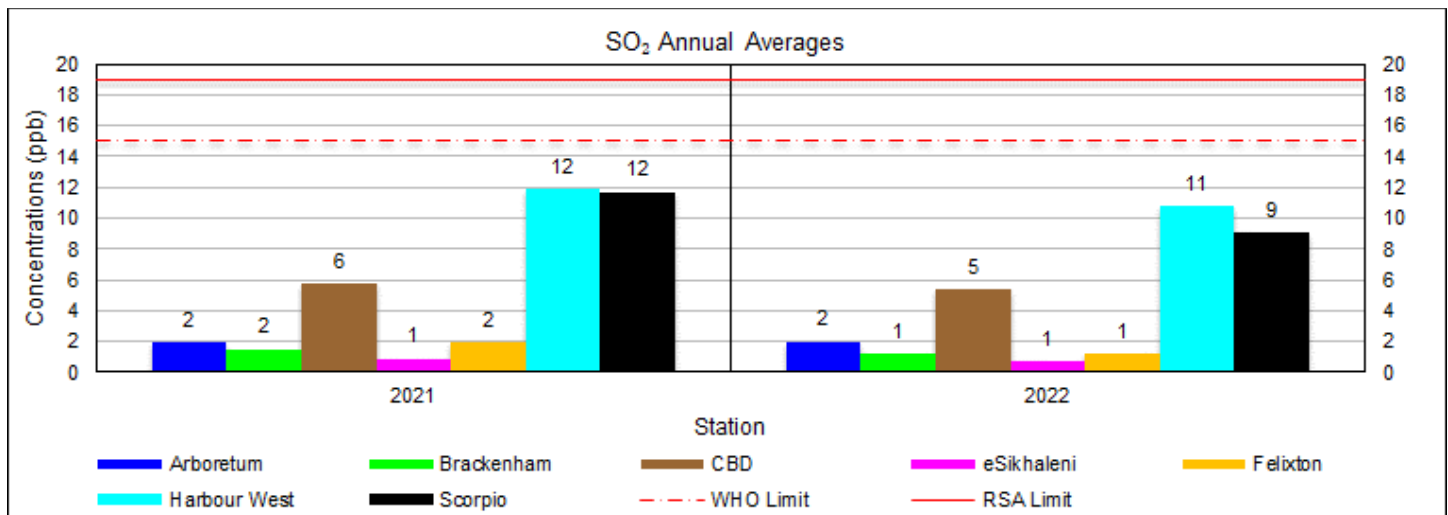


Figure 34: SO₂ annual average concentration (2020 to 2022).

Annual average SO₂ concentrations did not exceed the RSA or the WHO Limits (Figure 35).

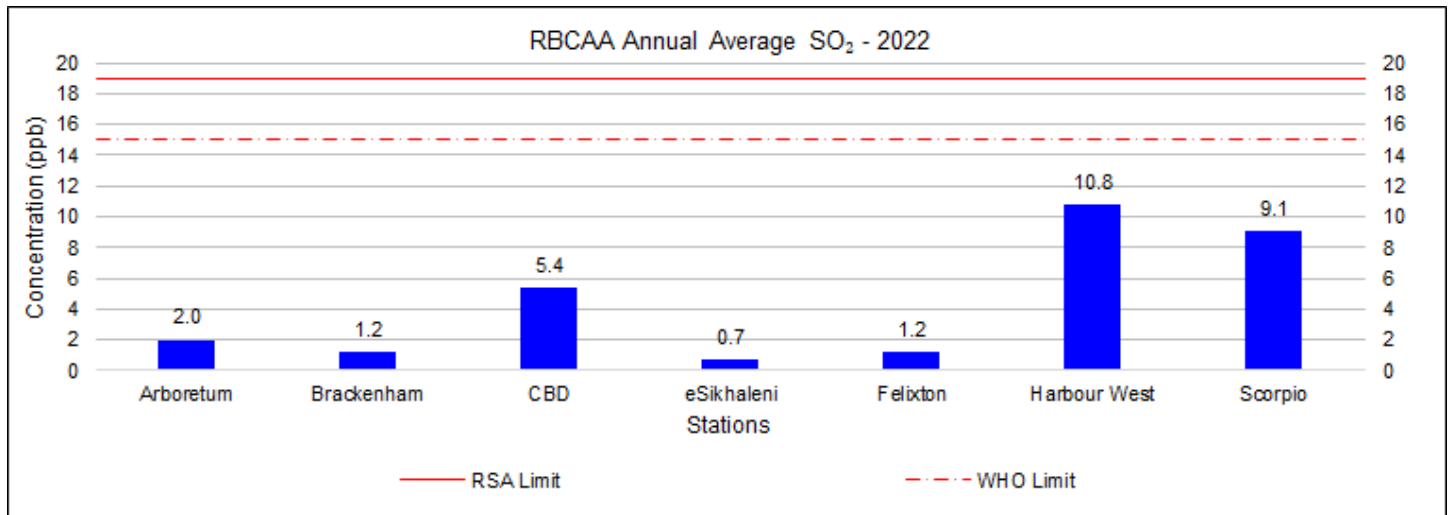


Figure 35: SO₂ annual average concentration.

5.3. SO₂ Monthly Concentrations

Monthly comparisons are provided in Figure 36.

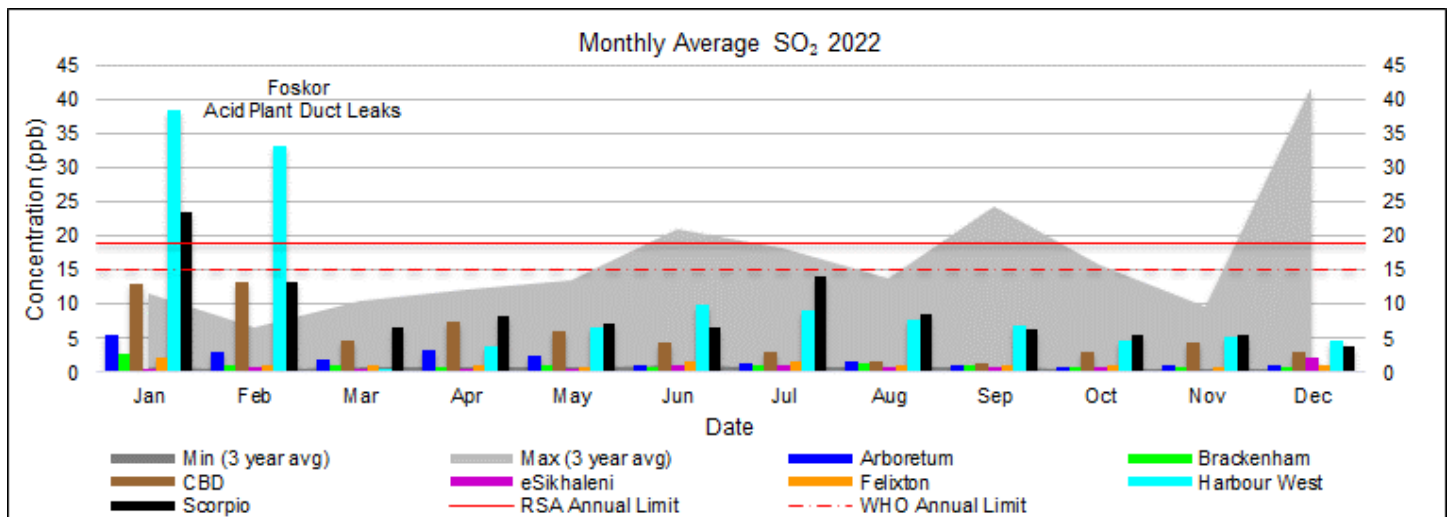


Figure 36: SO₂ monthly concentrations.

The exceedances in January and February can be associated with operational issues on Foskor's sulphuric acid plants. Foskor reported that the Scorpio substation fire in September 2021 forced them into an emergency shutdown which caused damage to their sulphuric acid plant ducting; the plant was shut down for repair after the gas incident that occurred on the 7th of February.

5.4. SO₂ Daily Average Concentrations

Daily average SO₂ concentrations are shown in Figure 37; there were:

- Fifteen (15) measured exceedances of the RSA Limit (48 ppb), the RSA Standard, which allows four (4) exceedances of the limit per year, was therefore exceeded at Harbour West; and,
- One hundred and eighteen (118) measured exceedances of the WHO Limit (15 ppb).

Table 10: SO₂ daily average exceedances (RSA).

SO ₂ Daily RSA Limit (48 ppb)	15
CBD	1
Foskor	1
Harbour West	10
Foskor	10
Scorpio	4
Foskor	3
Foskor (meteorology)	1
<i>Note:</i> Most exceedances that occurred in January and February can be associated with operational issues on Foskor's sulphuric acid plants. Foskor reported that the Scorpio substation fire in September 2021 forced them into an emergency shutdown which caused damage to their sulphuric acid plant ducting; the plant was shut down for repair after the gas incident that occurred on the 7th of February.	

Table 11: SO₂ daily average exceedances (WHO).

SO ₂ Daily WHO Standard (15 ppb)	118
Arboretum	2
Foskor	1
No response required	1
CBD	16
Foskor	1
No response required	15
Felixton	1
No response required	1
Harbour West	49
No response required	49
Scorpio	50
Foskor	1
No response required	49
<i>Note:</i> Most exceedances occurred in January and February and can be associated with operational issues on Foskor's sulphuric acid plants. Foskor reported that the Scorpio substation fire in September 2021 forced them into an emergency shutdown which caused damage to their sulphuric acid plant ducting; the plant was shut down for repair after the gas incident that occurred on the 7th of February.	

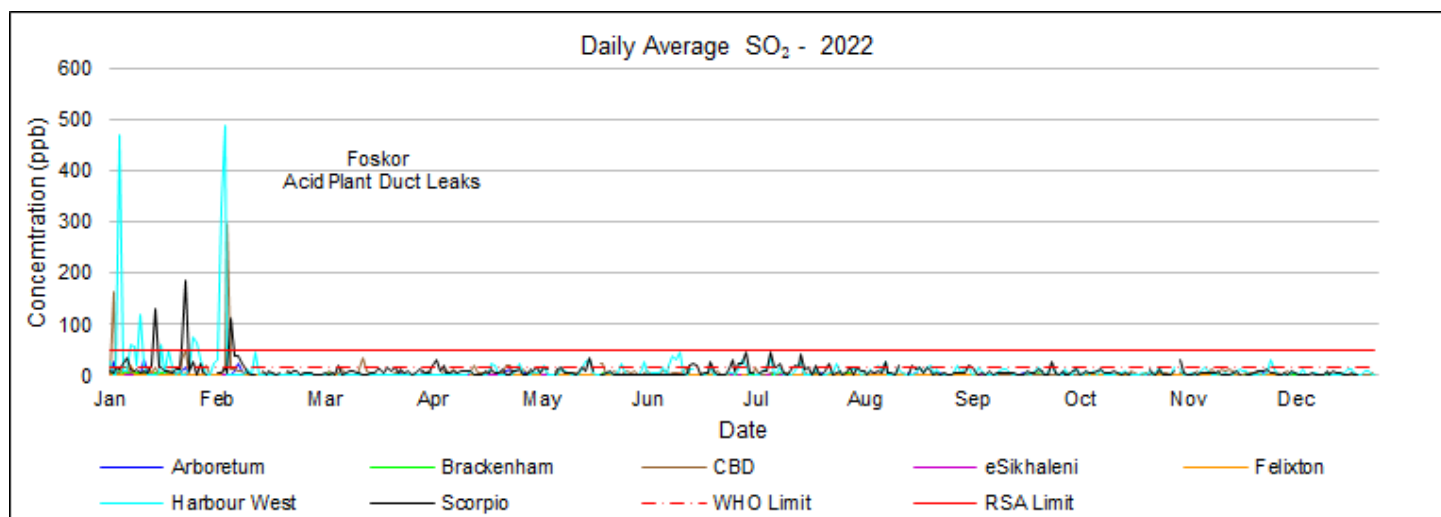


Figure 37: SO₂ daily average exceedances (RSA).

5.5. SO₂ Diurnal Concentrations

Diurnal SO₂ concentrations are shown below (Figure 38).

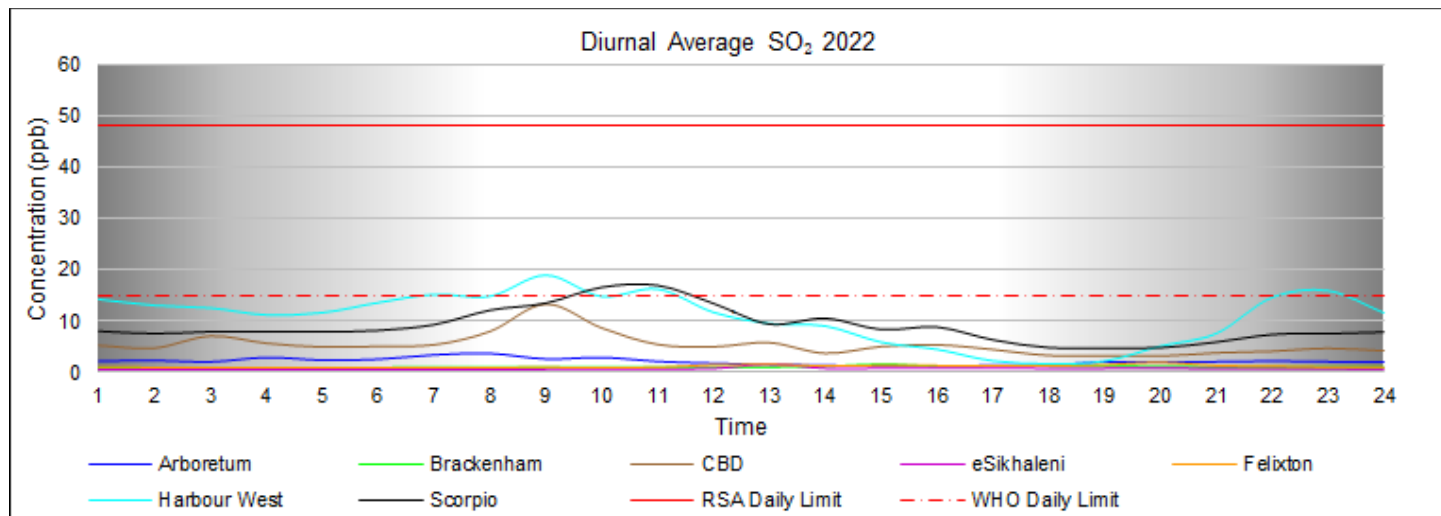


Figure 38: SO₂ diurnal concentrations.

5.6. SO₂ Hourly Average Concentrations

Hourly average SO₂ concentrations are shown in Figure 39; one hundred and eighteen (118) exceedances of the RSA Limit (134 ppb) were measured. Therefore, the RSA Standard, which allows eighty-eight (88) exceedances of the limit per year, was not exceeded (Table 11).

Table 12: SO₂ 1-hour average exceedances (RSA)

SO ₂ Hourly RSA Limit (134 ppb)		118
Arboretum		3
Foskor		1
Foskor (meteorology)		2
CBD		15
Foskor		15
Felixton		1
Foskor		1
Harbour West		65
Foskor		64
Foskor (meteorology)		1
Scorpio		34
Foskor		23
Foskor (meteorology)		9
Unknown Source		2

Note:

Most exceedances that occurred in January and February can be associated with operational issues on Foskor's sulphuric acid plants. Foskor reported that the Scorpio substation fire in September 2021 forced them into an emergency shutdown which caused damage to their sulphuric acid plant ducting; the plant was shut down for repair after the gas incident that occurred on the 7th of February.

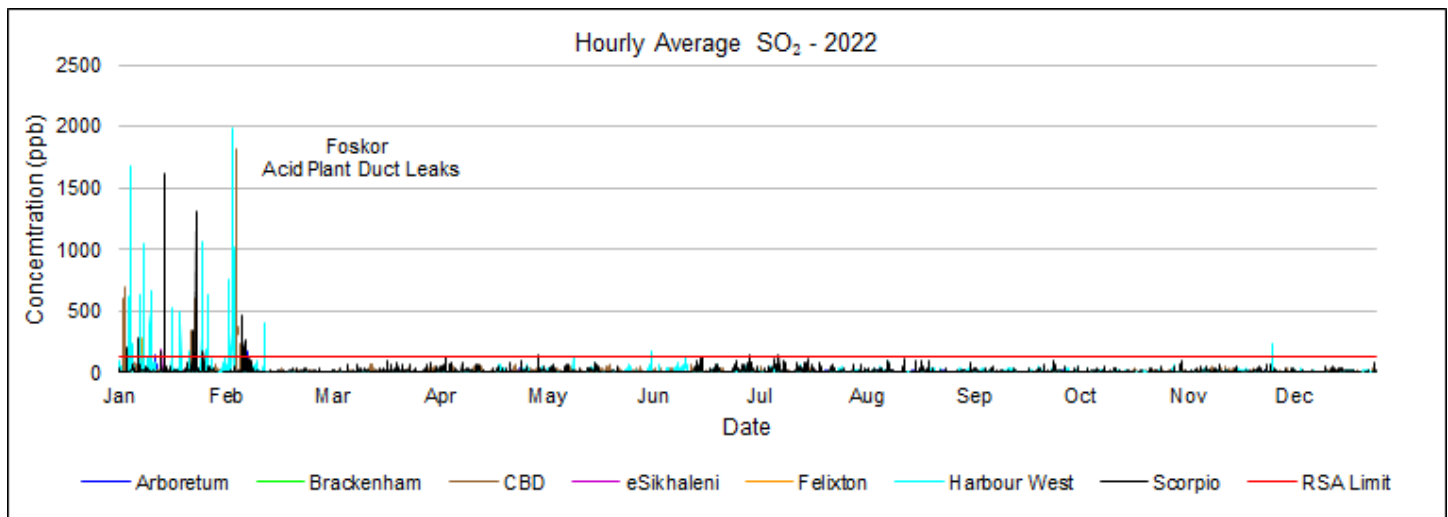


Figure 39: SO₂ hourly average concentrations.

5.7. SO₂ 10-minute average Concentrations

10-minute average SO₂ concentrations are shown in Figure 40; there were five hundred and three (503) measured exceedances of the RSA and WHO Limit (191 ppb). The RSA Standard, which allows five hundred and twenty-six (526) exceedances of the limit per year, was therefore not exceeded (Table 12).

Table 13: SO₂ 10-minute average exceedances (RSA)

SO ₂ 10-minute RSA & WHO Limit (191 ppb)	503
Arboretum	15
Foskor	5
Foskor (meteorology)	7
Unknown Source	3
Brackenham	2
Foskor	2
CBD	60
Foskor	56
Unknown Source	4
Felixton	8
Foskor	8
Harbour West	294
Foskor	289
Foskor (meteorology)	4
Unknown Source	1
Scorpio	124
Foskor	65
Foskor (meteorology)	49
Unknown Source	10
Note: Most exceedances that occurred in January and February can be associated with operational issues on Foskor's sulphuric acid plants. Foskor reported that the Scorpio substation fire in September 2021 forced them into an emergency shutdown which caused damage to their sulphuric acid plant ducting; the plant was shut down for repair after the gas incident that occurred on the 7th of February.	

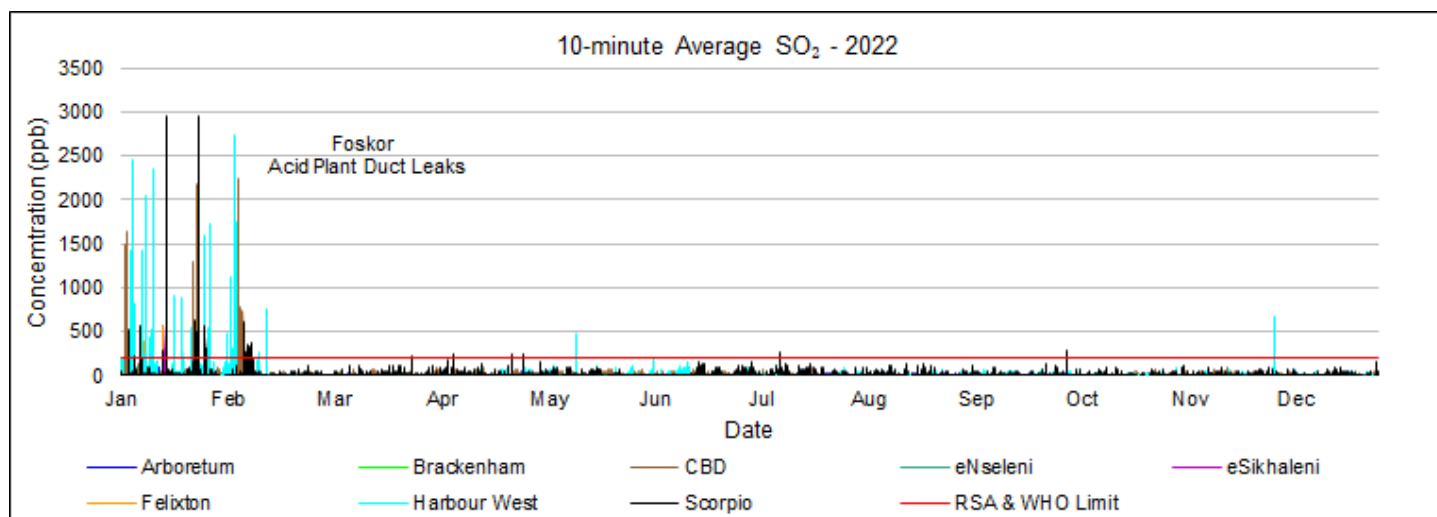


Figure 40: SO₂ 10-minute average concentrations.

5.8. SO₂ Exceedances

SO₂ exceedances can be, associated with emissions because of process upsets (i.e., planned maintenance, plant shutdowns or start-up), leaks in equipment, pipelines, seals, valves (fugitive emissions) or an event (e.g., fires or emergency shutdown). Annual and monthly comparisons of the number of days on which SO₂ exceedances occurred are shown in Figure 41 and Figure 42. According to the Relative Air Quality Index (AQI), the areas where no exceedances were measured may be considered good air quality with respect to SO₂.

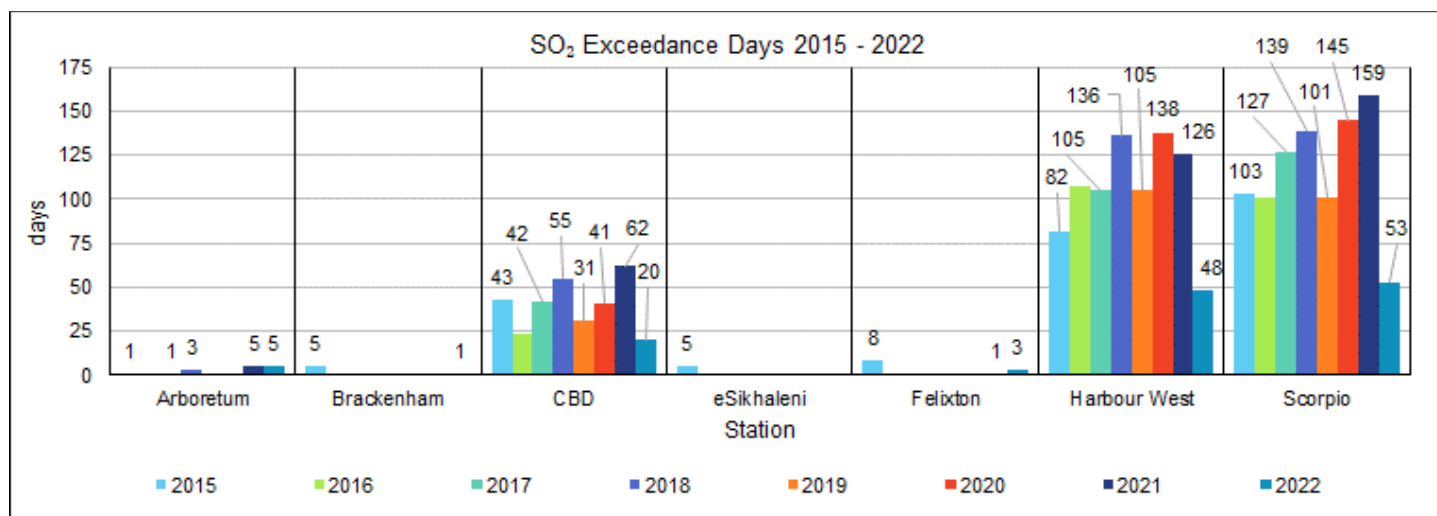


Figure 41: SO₂ exceedance days (2015 to 2021).

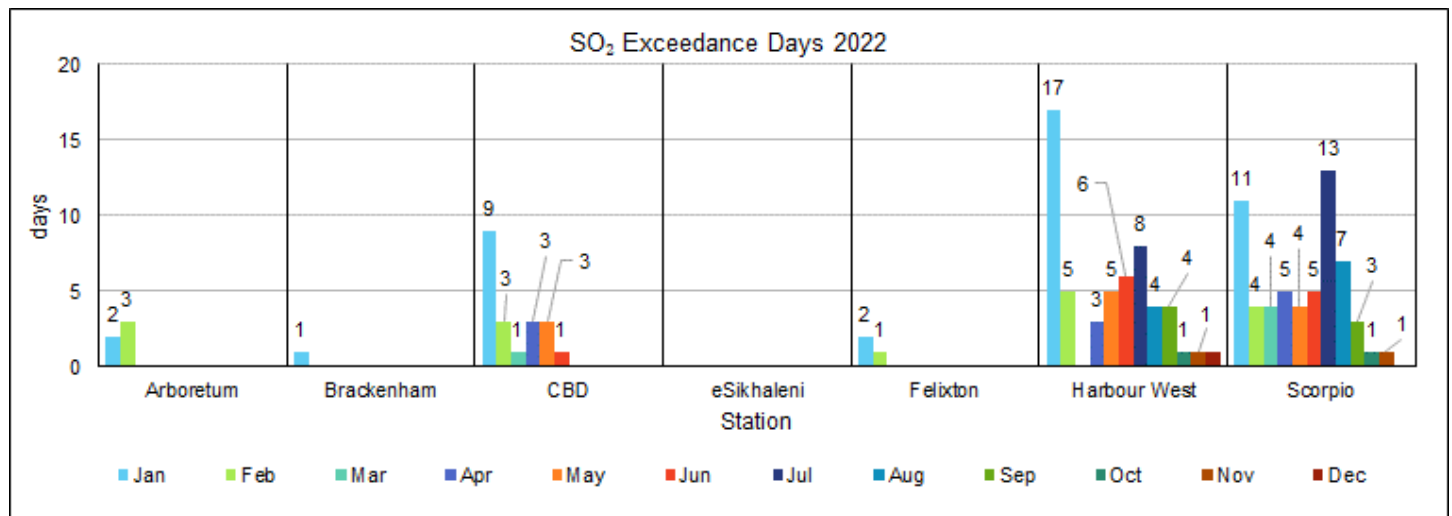


Figure 42: SO₂ exceedance days per month 2022.

5.9. SO₂ Dispersion Simulations

SO₂ impacts are based on national standards and international guidelines; dispersion simulation outputs have been colour coded according to the Air Quality Indices (AQIs) shown in Table 13 and Table 14. The plots show the maximum predicted impacts for specific time intervals (10-minute average, 1-hour Average, daily average, annual Average) during 2022. Maximum predicted impacts for specific locations are provided in Table 15.

Table 14: Air quality index (percentage of RSA SO₂ limit value).

Air Quality Rating	Percentage of SO ₂ limit value	Impact
Good	0% - 25%	There are no known harmful effects on soil, water, vegetation, animals, visibility, or human health.
Fair	26% - 50%	There is adequate protection against harmful effects on; soil, water, vegetation, animals, visibility, or human health.
Poor	51% - 100%	Not all aspects of the environment are adequately protected from adverse effects. Depending on the measurement's frequency, duration, and circumstances, some long-term control action may be required.
Very Poor	>100%	Further deterioration of air quality and continued high readings could pose a risk to public health in this range.

Table 15: Air quality index (percentage of WHO SO₂ limit value).

Air Quality Rating	Percentage of WHO SO ₂ limit value
Good	0% - 25%
Fair	26% - 50%
Poor	51% - 100%
Very Poor	>100%

The following plots of SO₂ concentrations are provided:

- ▶ SO₂ Annual Average Prediction (RSA):
 - Regional (Figure 43)
 - Richards Bay (Figure 44)
- ▶ SO₂ Annual Average Prediction (WHO):
 - Regional (Figure 45)
 - Richards Bay (Figure 46)
- ▶ SO₂ Daily Predicted Maxima (RSA):
 - Regional (Figure 47)
 - Richards Bay (Figure 48)
- ▶ SO₂ Daily Predicted Maxima (WHO):
 - Regional (Figure 49)
 - Richards Bay (Figure 50)
- ▶ SO₂ Hourly Predicted Maxima (RSA):
 - Regional (Figure 51)
 - Richards Bay (Figure 52)
- ▶ SO₂ 10-minute Predicted Maxima (RSA & WHO):
 - Regional (Figure 53)
 - Richards Bay (Figure 54)

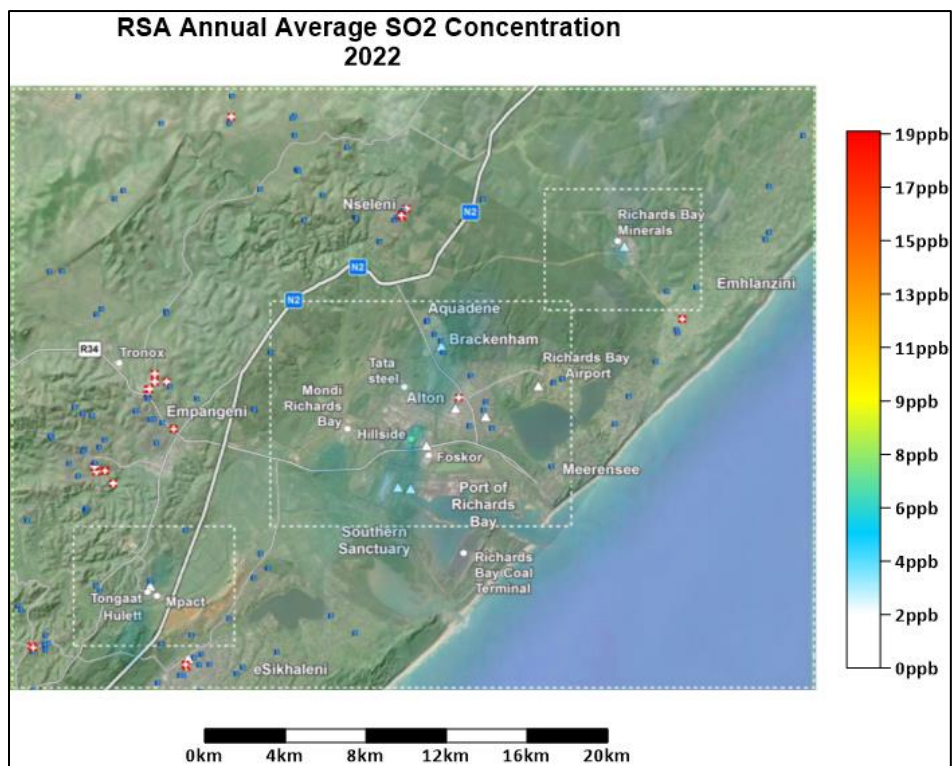


Figure 43: SO₂ annual average prediction (regional map RSA AAQS).

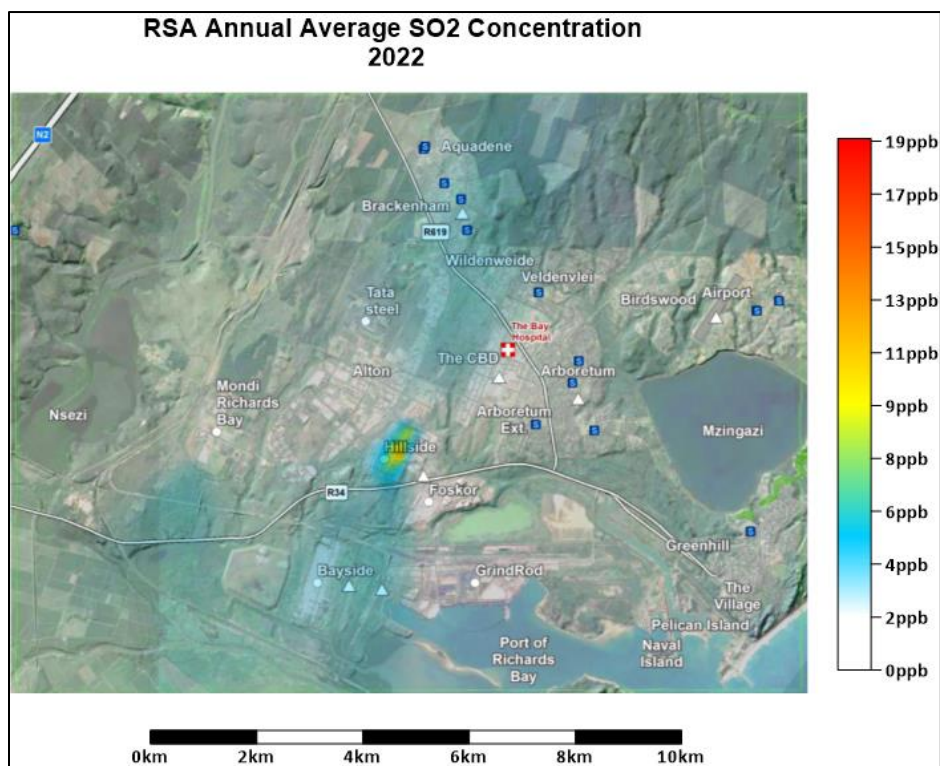


Figure 44: SO₂ annual average prediction (Richards Bay map RSA AAQS).

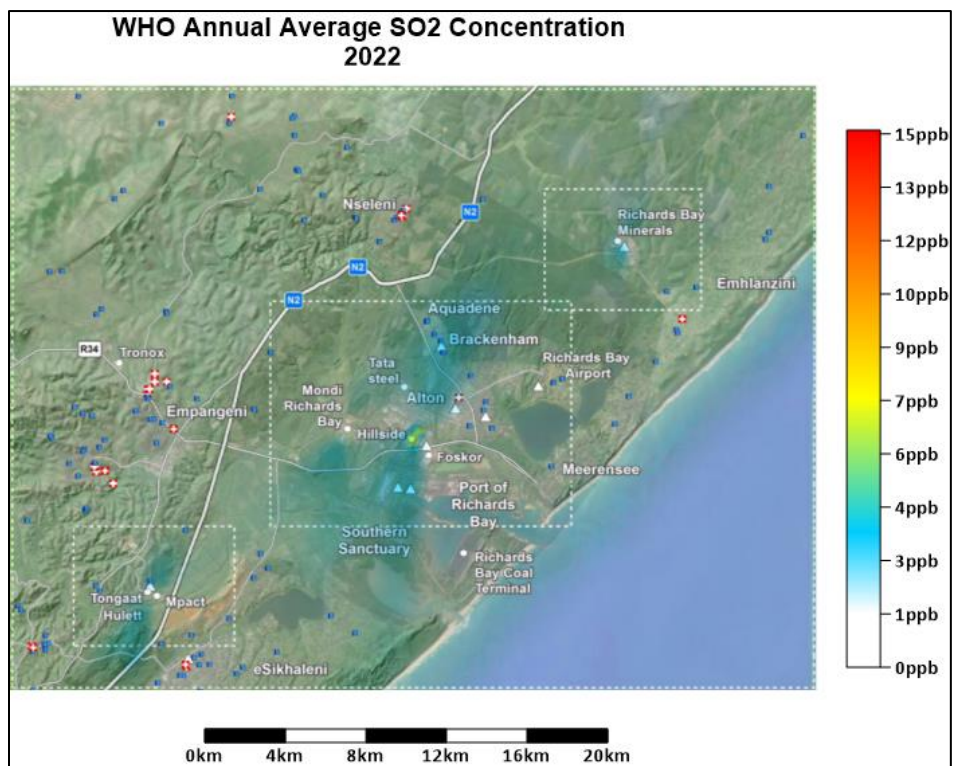


Figure 45: SO₂ annual average prediction (regional map WHO AAQG).

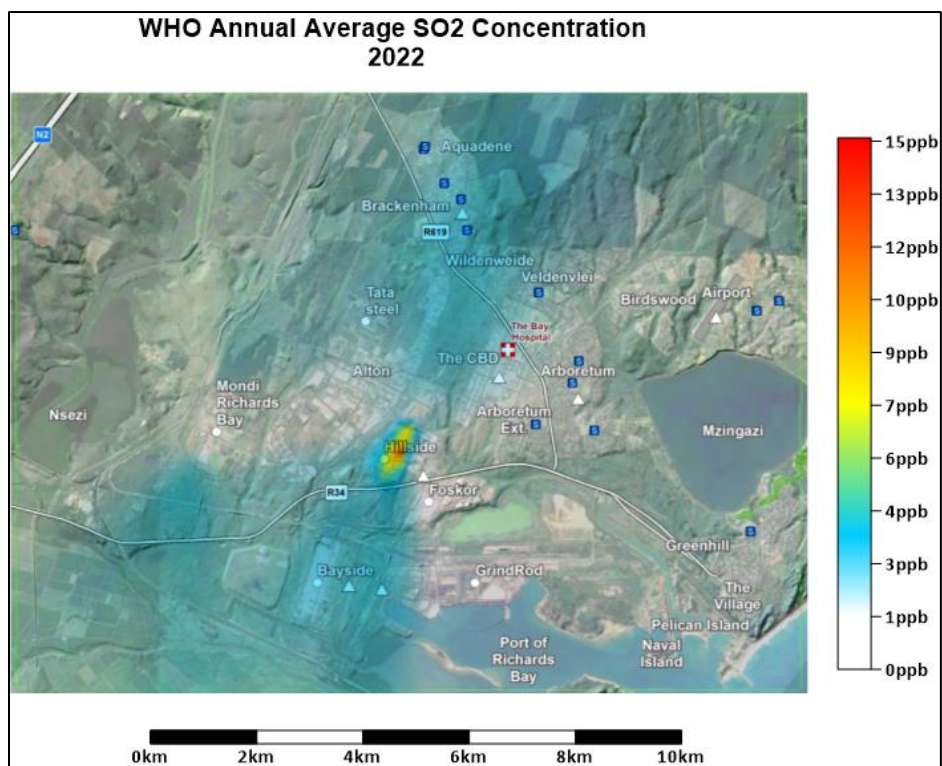


Figure 46: SO₂ annual average prediction (Richards Bay map WHO AAQG).

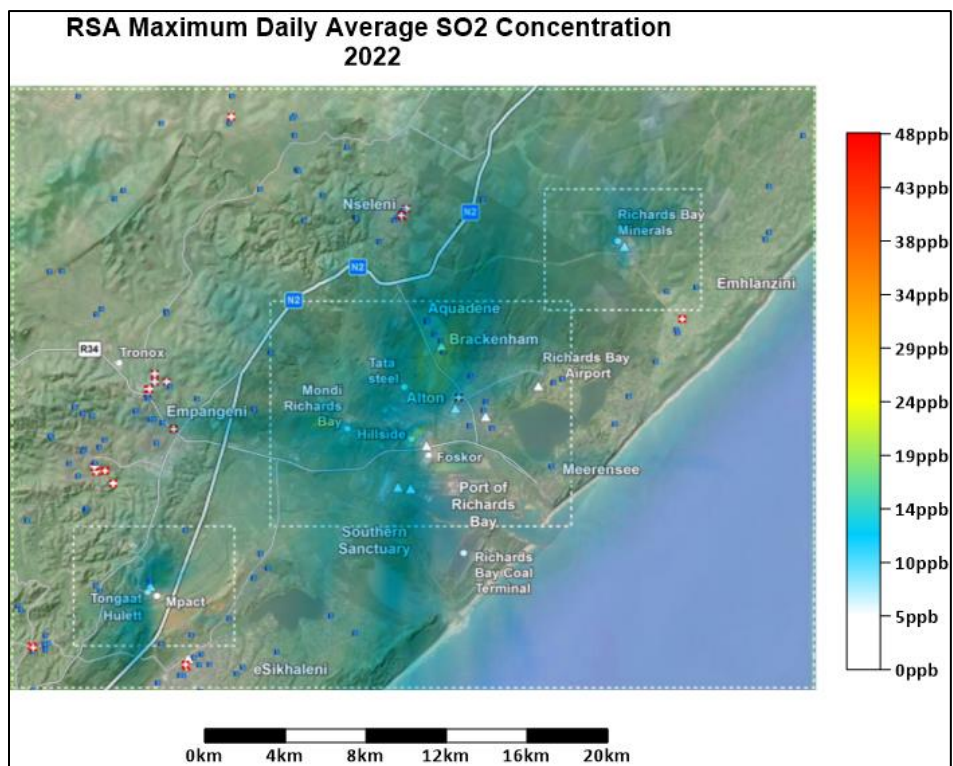


Figure 47: SO₂ maximum daily average prediction (regional map RSA AAQS).

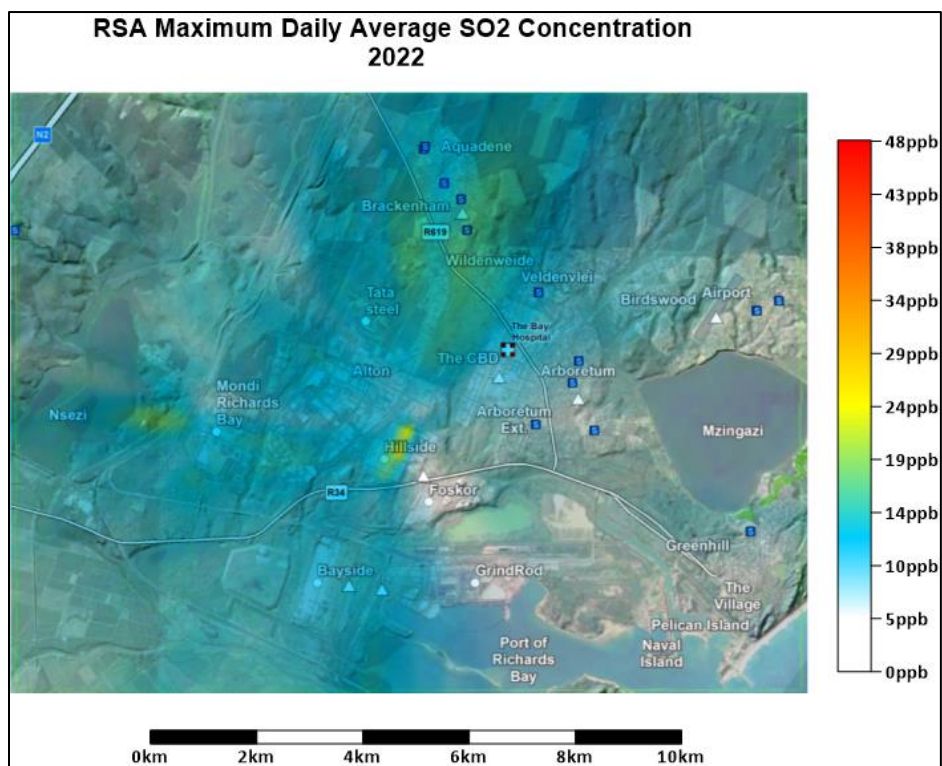


Figure 48: SO₂ maximum daily average prediction (Richards Bay map RSA AAQS).

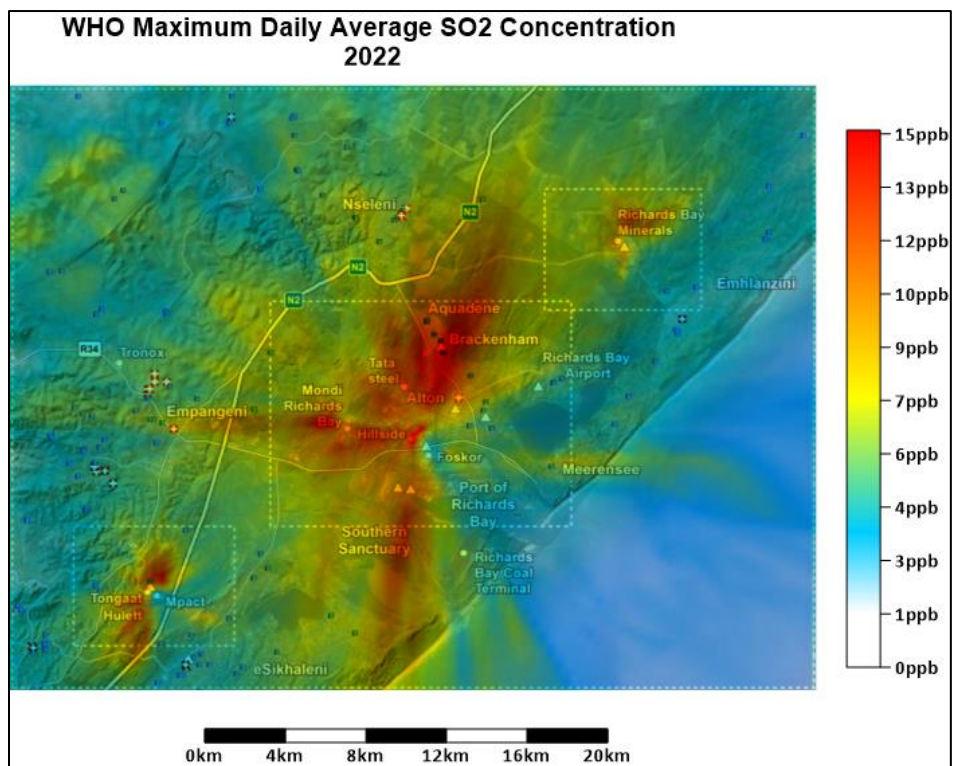


Figure 49: SO₂ maximum daily average prediction (regional map WHO AAQG).

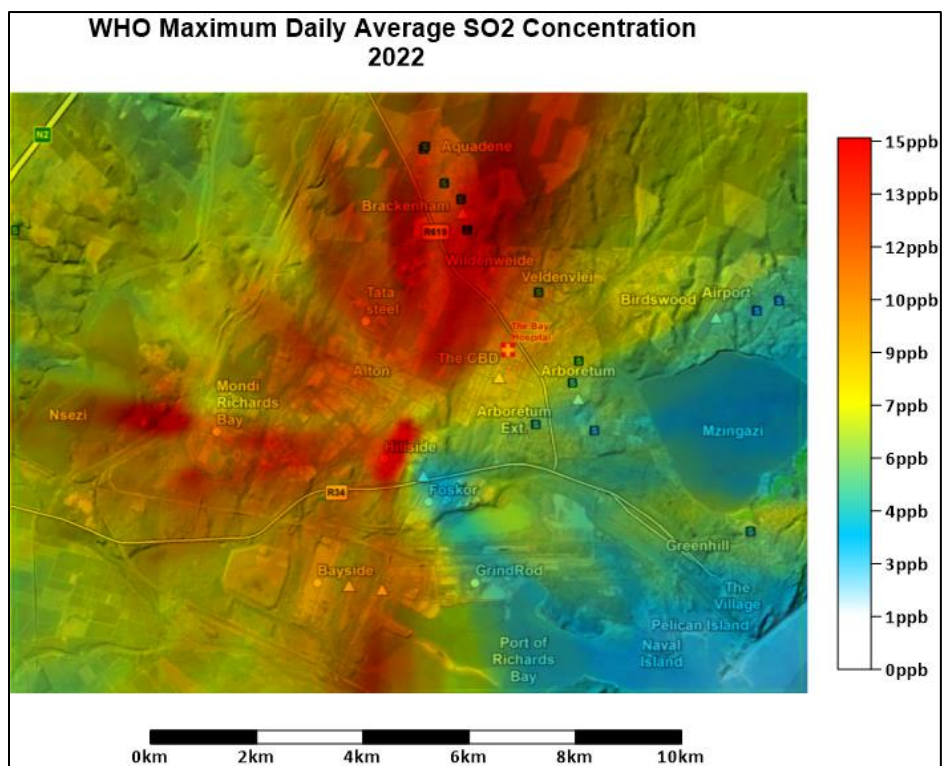


Figure 50: SO₂ maximum daily average prediction (Richards Bay map WHO AAQG).

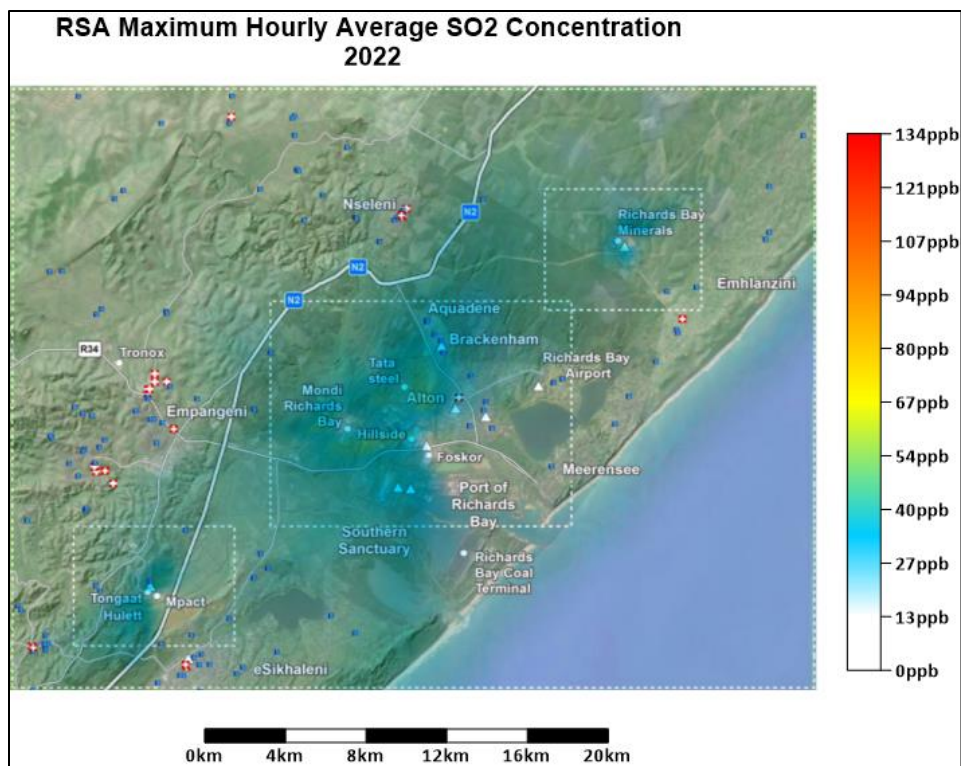


Figure 51: SO₂ maximum hourly average prediction (regional map RSA AAQS).

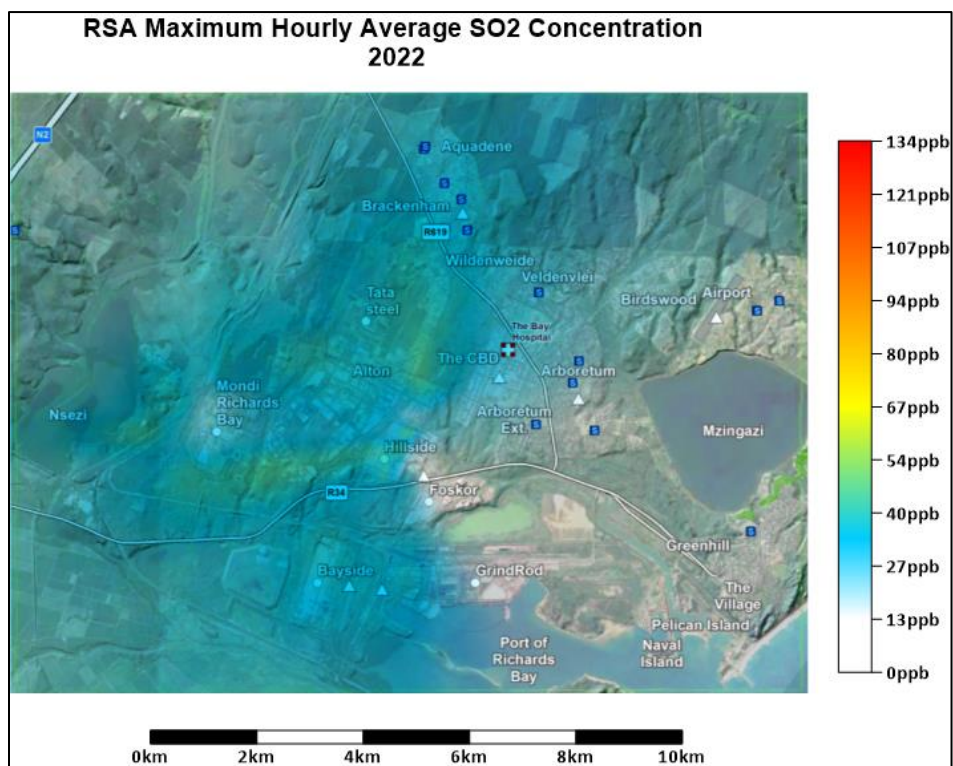


Figure 52: SO₂ maximum hourly average prediction (Richards Bay map RSA AAQS).

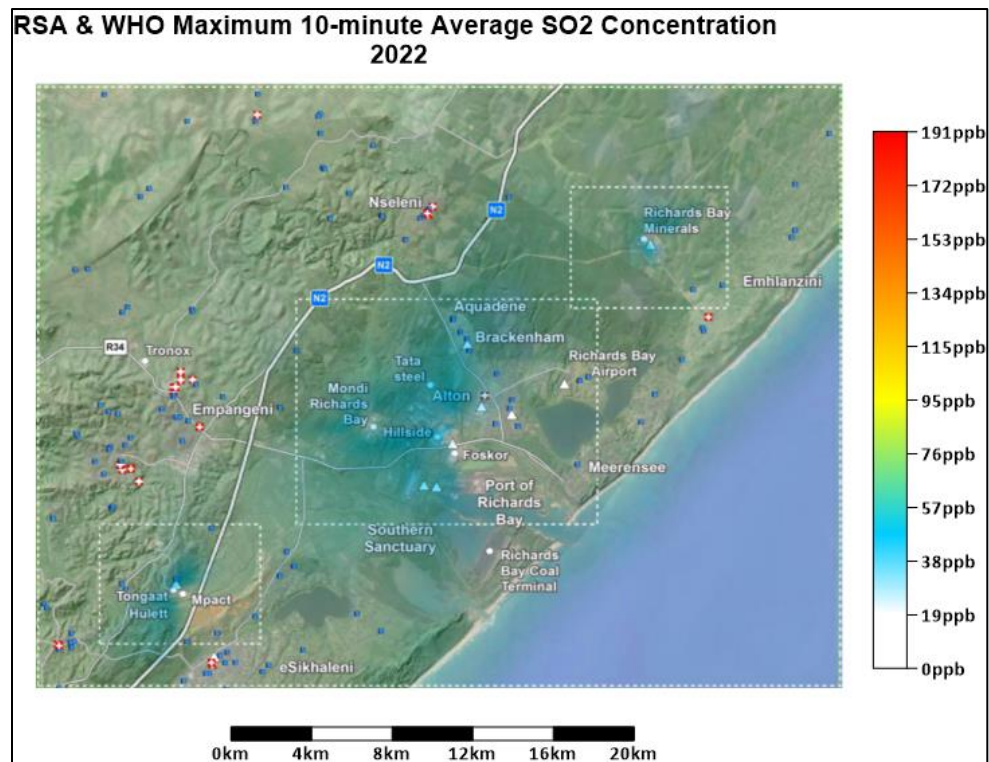


Figure 53: SO₂ maximum 10-minute average prediction (regional map RSA AAQS and WHO AAQG).

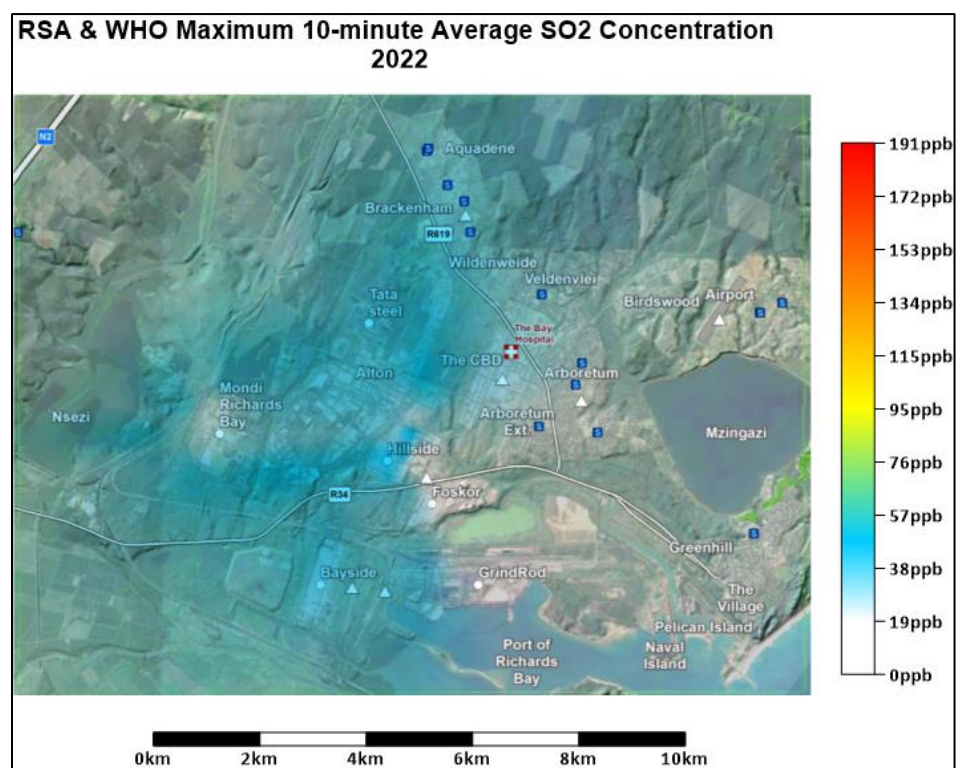


Figure 54: SO₂ maximum 10-minute average prediction (Richards Bay map RSA AAQS and WHO AAQG).

Table 16: Summary of maximum predicted SO₂ impacts for various areas.

Organisation	Percentage of Standard / Guideline					Frequency of exceeding Standard / Guideline				
	RSA & WHO	RSA	RSA	RSA	WHO	RSA & WHO	RSA	RSA	RSA	WHO
Interval	10-minute	Hourly	Daily	Annual	Daily	10-minute	Hourly	Daily	Annual	Daily
Limit Value	191	134	48	19	15	None	None	None	None	None
Alton	20%	27%	23%	10%	74%	1	0	0	0	0
Aquadene	17%	23%	29%	12%	92%	1	0	0	0	1
Arboretum	10%	12%	13%	5%	40%	2	0	0	0	0
Arboretum Extension	9%	11%	14%	4%	44%	0	0	0	0	0
Birdswood	12%	15%	16%	7%	50%	0	0	0	0	0
Brackenham	18%	24%	28%	15%	91%	0	0	0	0	2
CBD	15%	20%	19%	10%	60%	0	0	0	0	1
Empangeni	7%	9%	12%	3%	37%	0	0	0	0	0
eSikhaleni	8%	11%	10%	6%	31%	0	0	0	0	0
Felixton	17%	21%	19%	10%	60%	0	0	0	0	0
Greenhill	5%	6%	8%	3%	27%	0	0	0	0	0
Mandlazini Agri-Village	7%	9%	10%	4%	33%	0	0	0	0	0
Meerensee	5%	6%	12%	3%	39%	1	1	1	0	0
Mzingazi Agri-Village	5%	6%	9%	3%	28%	1	0	0	0	0
eNseleni	10%	12%	14%	6%	45%	0	0	0	0	0
Southern Sanctuary	14%	19%	19%	11%	61%	1	0	0	0	0
Veldenvlei	14%	18%	20%	10%	63%	2	0	0	0	0
Vulindlela	9%	12%	9%	4%	28%	0	0	0	0	0
Wildenweide	17%	23%	31%	15%	99%	1	0	0	0	2

5.10. SO₂ Model Correlation

The annual average SO₂ concentration measured at each RBCAA station for 2022 and 2021, plus the CALPUFF prediction, is shown in Figure 55. The annual average for the same period as the previous year is also provided. Compared to the previous year, annual average SO₂ concentrations at most stations were similar (within 10% of the RSA annual standard); however, the concentration measured at Harbour West was 57% higher. The annual average prediction for Arboretum, Brackenham, eSikhaleni and Felixton was within accepted dispersion modelling norms (-50% to 200%); CBD, Harbour West, and Scorpio were under-predicted. Underpredictions are most likely due; to local fugitive emissions unaccounted for in the model⁵ and the model's tendency to underpredict in the near field. Compared to the measurements, the predicted values for CBD, Harbour West, and Scorpio were lower, and at Arboretum, Brackenham, eSikhaleni, and Felixton were similar (within 10% of the standard).

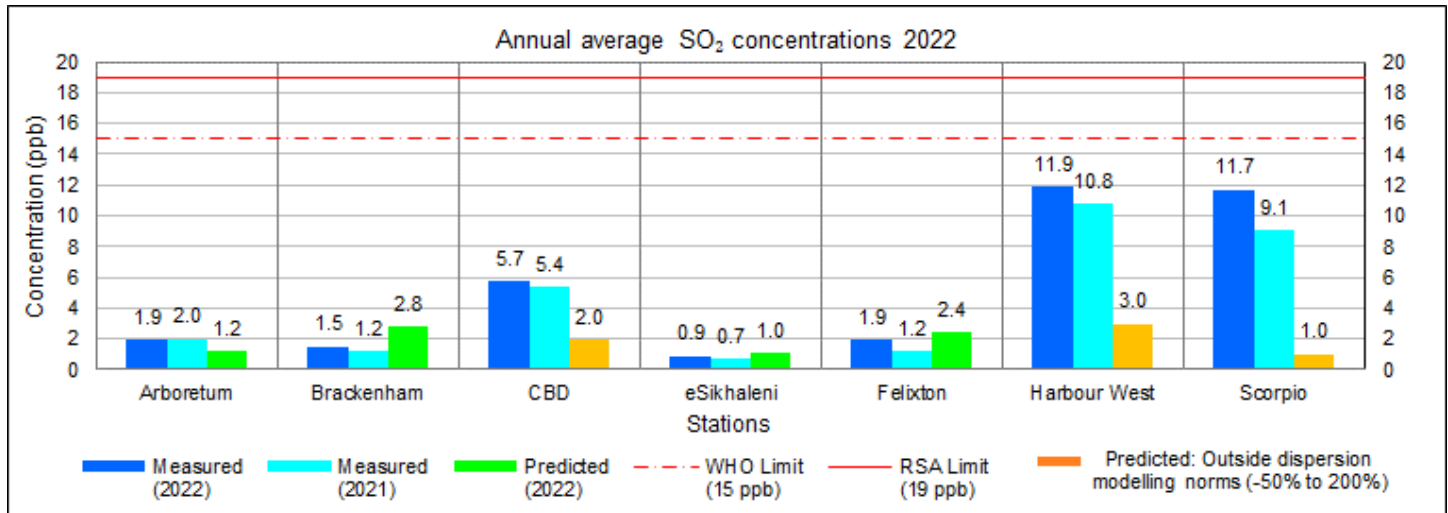


Figure 55: SO₂ annual average concentration and prediction.

⁵ Fugitive emissions are emissions of gases or vapours from pressurized equipment due to leaks and other unintended or irregular releases of gases, mostly from industrial activities, they are transient in nature and vary in intensity and duration. These types of emissions have not been accounted for in the modelling.

6. 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 characteristics and effects.

6.1. TRS Ambient Air Quality Standards

There are no South African standards for TRS; however, the World Health Organization (WHO) and the Ontario Ministry for the Environment (OME) 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]	-	-
OME	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]	-
OME	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 Organization recommendation to avoid substantial complaints about odour annoyance among the exposed population (WHO, 2000).*
- 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
- ▶ OME daily and 10-minute standards for the Pulp and Paper sector.

6.2. TRS Annual Concentrations

Annual average concentrations dating back to 2006 are illustrated in Figure 56. The 5-year Mann Kendall Trend for CBD is increasing. No trend was observed for eSikhaleni and Felixton.

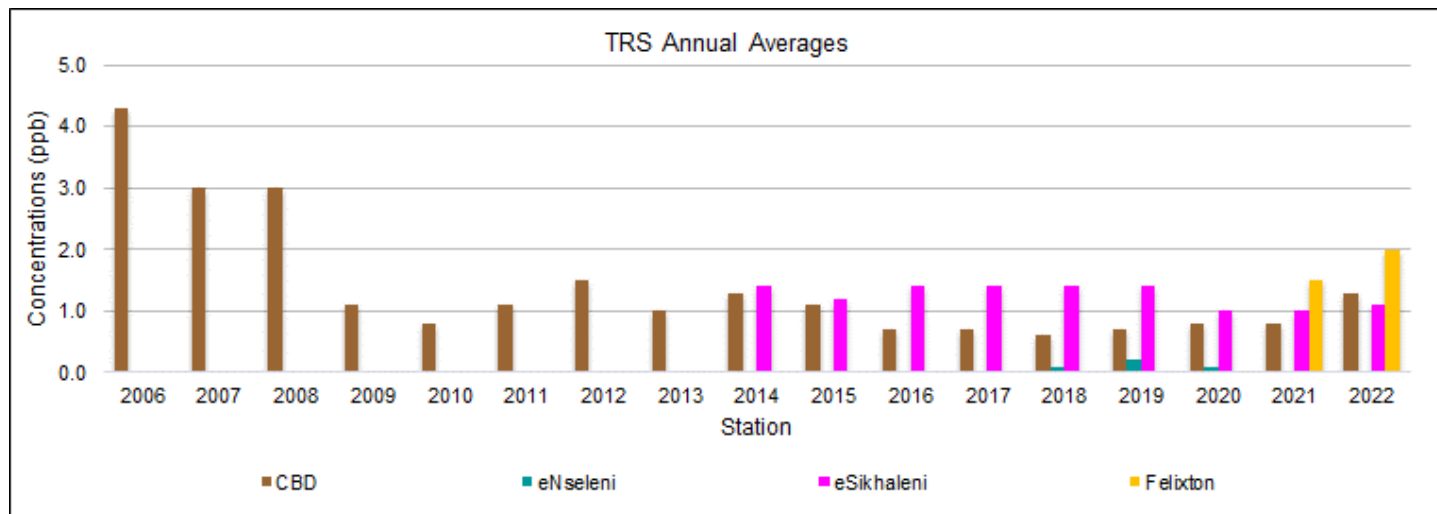


Figure 56: TRS annual average concentration (2006 to 2021).

Comparing 2022 to 2021 annual average TRS concentrations at CBD, eSikhaleni and Felixton were similar (differed by 10% or less from the limit) (Figure 57).

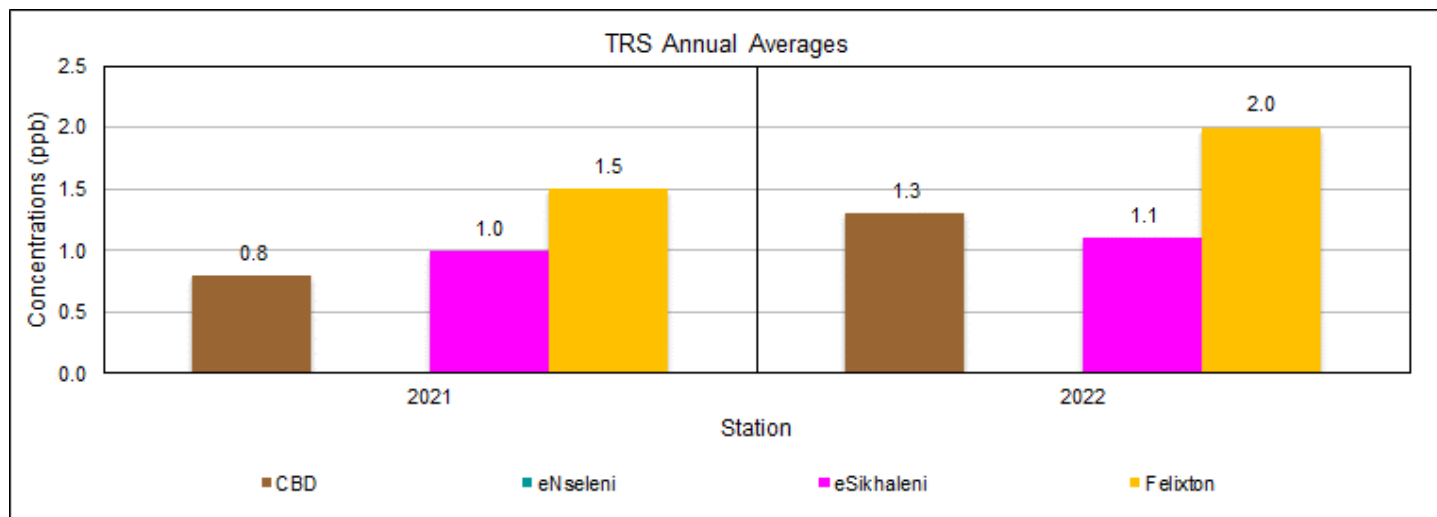


Figure 57: TRS annual average concentration (2020 to 2022).

Annual average TRS concentrations are shown in Figure 58.

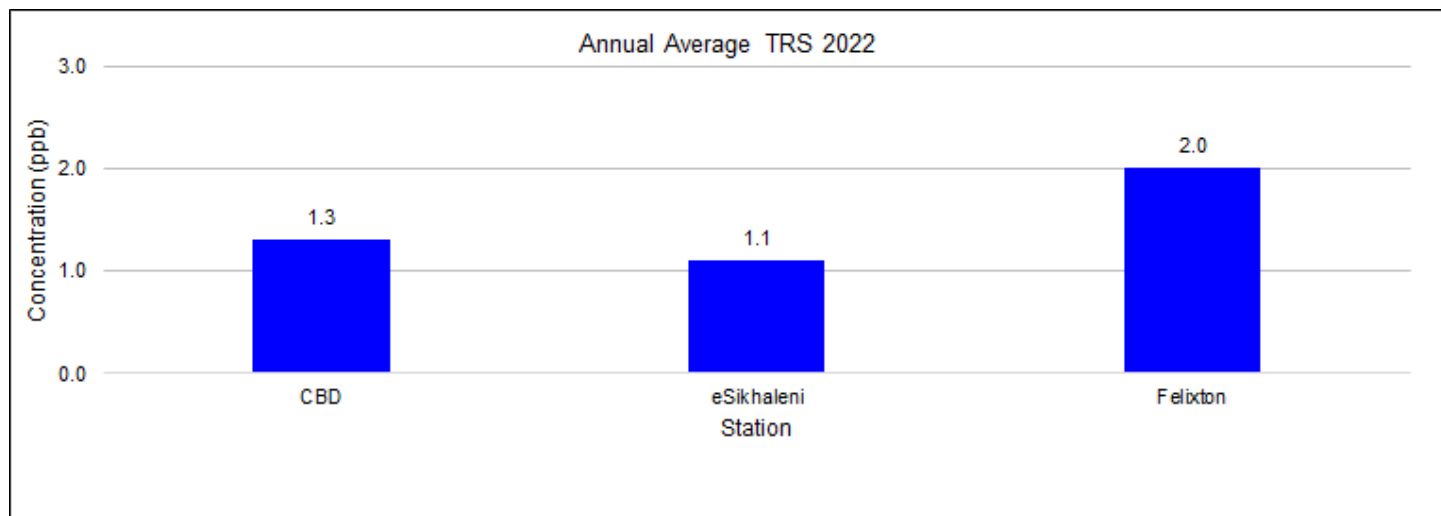


Figure 58: TRS annual average concentration.

6.3. TRS Monthly Concentrations

Monthly average TRS concentrations are shown in Figure 59. Comparisons to previous months are also provided (Figure 59).

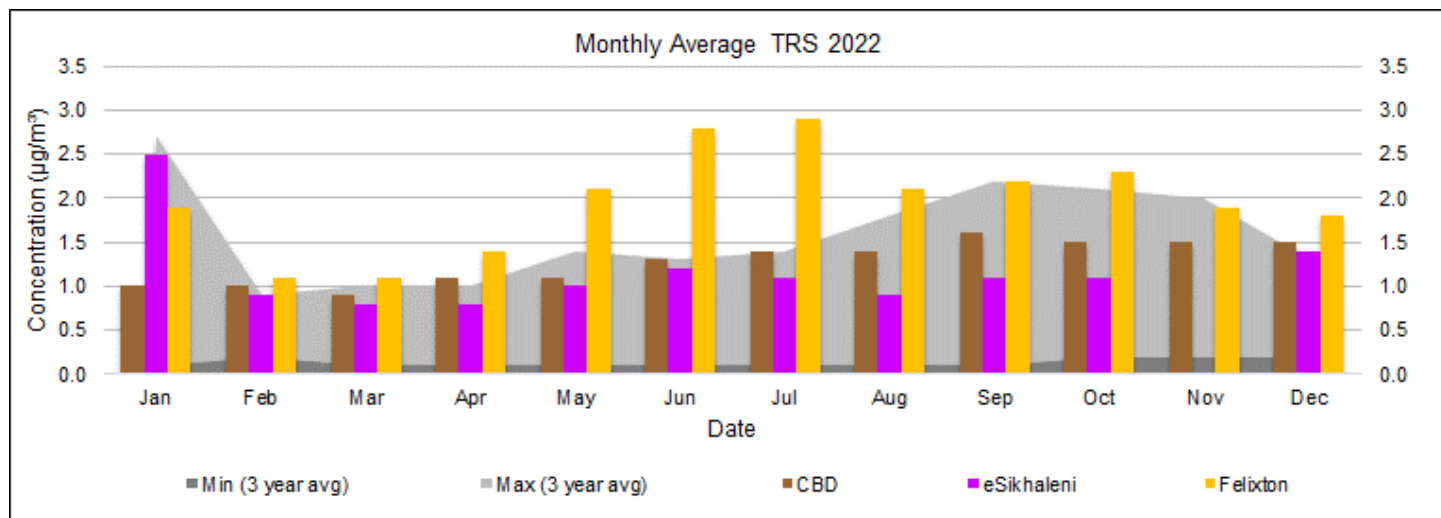


Figure 59: TRS monthly concentrations.

6.4. TRS Daily Concentrations

Daily average TRS concentrations are shown below (Figure 60). There were; two (2) measured exceedances of the OME Limit (10.1 ppb).

Table 17: TRS 24-hour average exceedances.

TRS 24-hr OME Limit (10.1 ppb)		2
Felixton		2
THS		1
Unknown Source - further investigation required		1

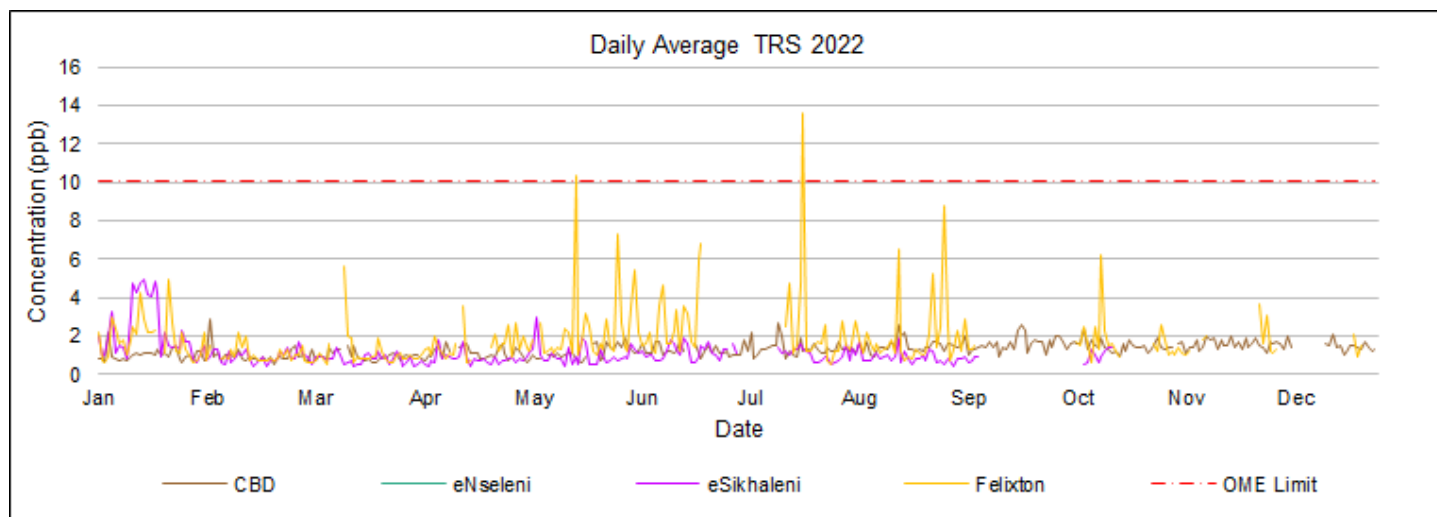


Figure 60: TRS daily average concentration.

6.5. TRS Diurnal Concentrations

The diurnal TRS concentrations are shown below (Figure 61).

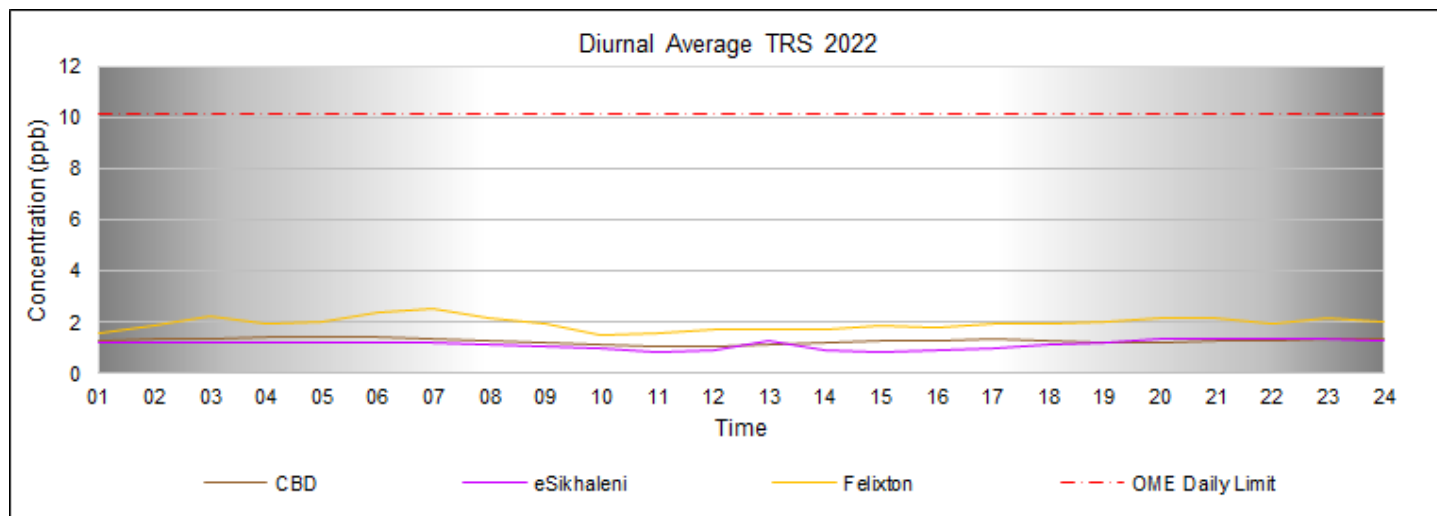


Figure 61: TRS diurnal concentrations.

6.6. TRS 30-minute Concentrations

The 30-minute average TRS concentrations are shown in Figure 62. There were eight hundred and thirty-four (834) measured exceedances of the WHO Limit (5.0 ppb). Exceedances at CBD were associated with emissions from Mondi, eSikhaleni and Felixton from Mondi and Tongaat Hullet.

Table 18: TRS 30-minute average exceedances.

TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	834
CBD	40
Mondi	31
Mondi (meteorology)	4
THS	2
Unknown Source	3
eSikhaleni	61
Mondi	40
Mondi (meteorology)	3
THS	6
Unknown Source	12
Felixton	733
Mondi	8
Mondi (meteorology)	2
THS	473
THS (meteorology)	25
Unknown Source	225

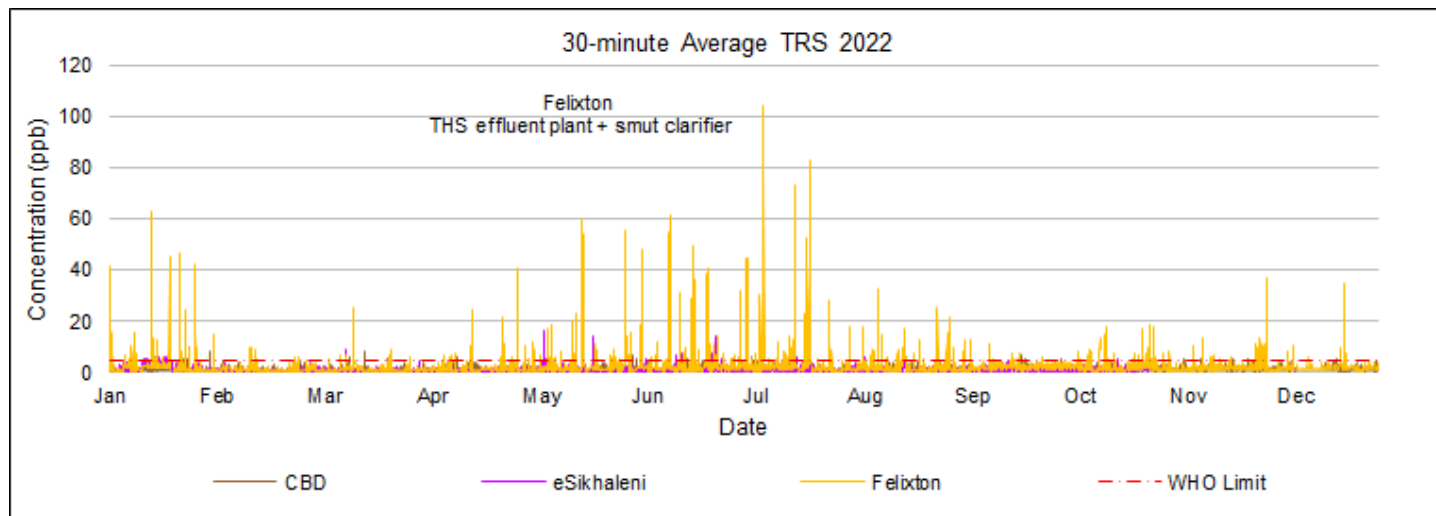


Figure 62: TRS 30-minute average concentration.

6.7. TRS 10-minute Concentrations

The 10-minute average TRS concentrations are shown in Figure 63. There were nine hundred and eighteen (918) measured exceedances of the OME Limit (9.3 ppb) (Table 18). Exceedances at CBD were associated with emissions from Mondi, eSikhaleni and Felixton from Mondi and Tongaat Hullet.

Table 19: TRS 10-minute average exceedances.

TRS 10-minute OME Limit (9.3 ppb)		918
CBD		5
Mondi		2
Mondi (meteorology)		1
Unknown Source		2
eSikhaleni		39
Mondi		26
Mondi (meteorology)		5
Unknown Source		8
Felixton		874
Mondi		9
Mondi (meteorology)		1
THS		565
THS (meteorology)		38
Unknown Source		261

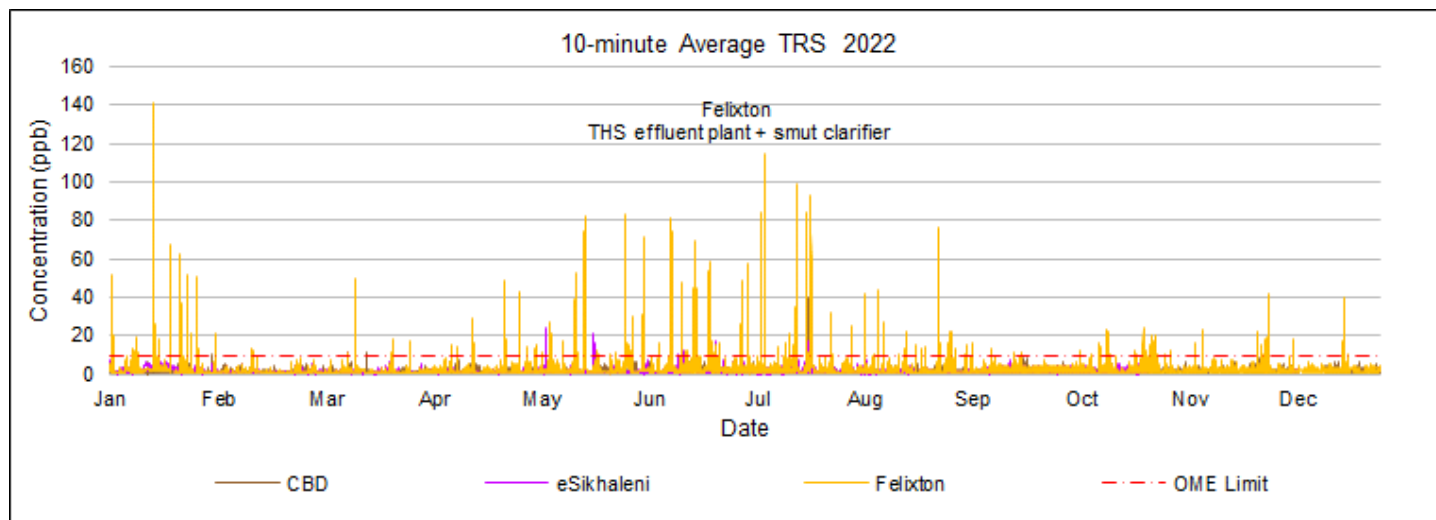


Figure 63: TRS 10-minute average concentrations.

6.8. TRS Exceedances

TRS exceedances can be, associated with emissions because of process upsets (i.e., planned maintenance, plant shutdowns or start-up), leaks in equipment, pipelines, seals, valves (fugitive emissions) or an event (e.g., fires or emergency shutdowns). Annual and monthly (2022) comparisons of the number of days on which exceedances occurred are shown in Figure 64 and Figure 65. According to the Relative Air Quality Index (AQI), the areas where no exceedances were measured may be considered good air quality.

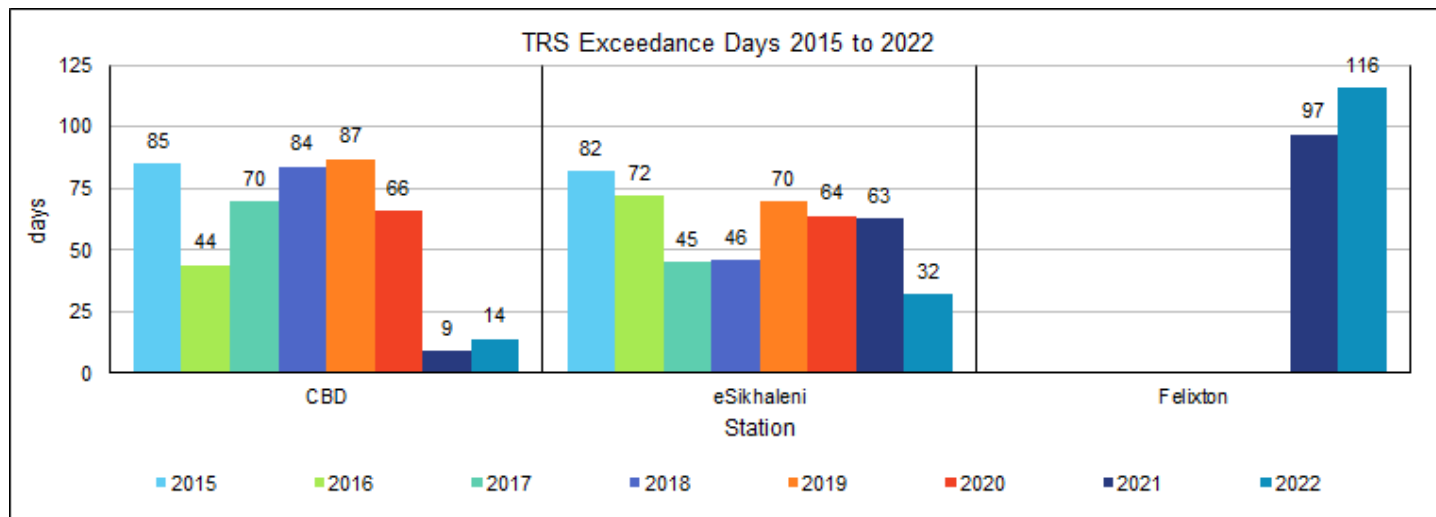


Figure 64: TRS exceedance days from 2015 to 2022.

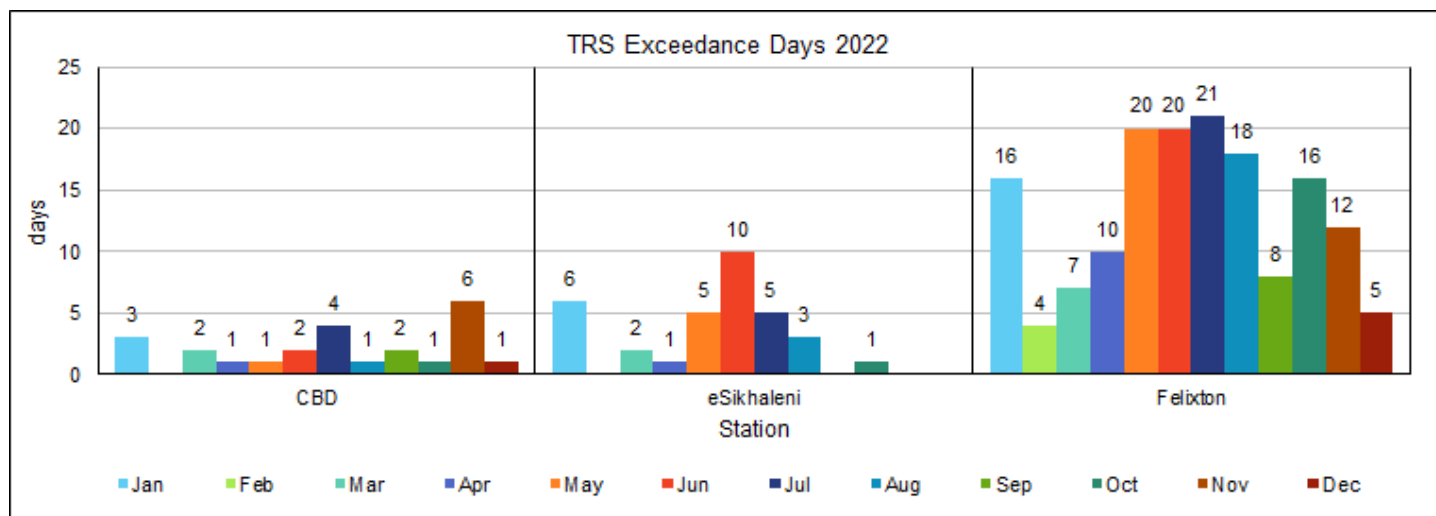


Figure 65: TRS exceedance days 2022.

7. 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 various 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).

The determination of; 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.

AIMS concludes that during 2022, based on the:

- ▶ Comparison of short-term average concentrations (acute exposure) to the WHO health standard; ambient air quality was compromised by:
 - PM_{2.5} at Brackenham, and Felixton;
 - SO₂ at Arboretum, Brackenham, CBD, Felixton, Harbour West and Scorpio; and,
 - TRS at CBD, eSikhaleni, and, Felixton.
- ▶ Comparison of long-term average concentrations (chronic exposure) to the WHO health standard; of concern is:
 - PM_{2.5} at Brackenham, and Felixton.

8. ACKNOWLEDGEMENT

Air Impact Measurement Specialists compiled this report for the Richards Bay Clean Air Association; contributors include:

Alicia Garnica

François Nel



Signer ID: ABS1DHBUH7...

Lance Coetzee
Director

9. REFERENCES

- ASTM. (2010). *Designation: D1739 – 98 (Reapproved 2010) Standard Test Method for Collection and Measurement of Dust Fall (Settleable Particulate Matter)*. American Society for Testing and Materials.
- ASTM. (2017). *Designation: D1739 – 98 (Reapproved 2017) Standard Test Method for Collection and Measurement of Dust Fall (Settleable Particulate Matter)*. American Society for Testing and Materials.
- EC. (2015). *Air Quality Standards*. Retrieved from European Commission: Environment: <http://ec.europa.eu/environment/air/quality/standards.htm>
- IFC. (2007). *Environmental, Health, and Safety Guidelines, General EHS Guidelines: Environmental Air Emissions and Ambient Air Quality*. World Bank Group, International Finance Corporation.
- OME. (1999). *The Rationale for the Development of Ontario Air Standards for Total Reduced Sulphur (TRS) & Compounds: hydrogen sulphide (H₂S), mercaptans (as methyl mercaptan), dimethyl sulphide (DMS), and dimethyl disulphide (DMDS)*. Retrieved from Ontario Ministry of the Environment: <http://www.ebr.gov.on.ca>
- RSA-NEMAQA. (2004). *National Environmental Management: Air Quality Act 39 of 2004*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004.
- RSA-NEMAQA. (2009). *National Ambient Air Quality Standards*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004, Government Gazette no, 32816, the 24th of December 2009.
- RSA-NEMAQA. (2012). *List of activities which results in atmospheric emissions which have or may have a significant detrimental effect on the environment, including human health, social conditions, economic conditions, ecological conditions, or cultural heritage*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004, Government Gazette no, 35894, November 2012.
- RSA-NEMAQA. (2012). *National Ambient Air Quality Standard for Particulate Matter with Aerodynamic Diameter Less Than 2.5 Micron Metres (PM_{2.5})*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004.
- RSA-NEMAQA. (2013). *Declaration of a small boiler as a controlled emitter and establishment of emission standards*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004, Government Gazette no, 36973, November 2013.
- RSA-NEMAQA. (2013). *National dust control regulations*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004, Government Gazette no, 36974, November 2013.
- RSA-NEMAQA. (2015). *Amendments to the list of activities which results in atmospheric emissions which have or may have a significant detrimental effect on the environment, including human health, social, economic, ecological conditions or cultural heritage*. Republic of South Africa, National Environmental Management: Air Quality Act 39 of 2004, Government Gazette no, 38863, June 2015.
- US-EPA. (1995). *Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition Volume 1*. Research Triangle Park, North Carolina: United States Environmental Protection Agency.
- US-EPA. (2000). *Emission Factor Documentation for Ap-42 Section 3.2, Natural Gas-Fired Reciprocating Engines*.
- WHO. (2000). *Air Quality Guidelines for Europe, Second Edition*. World Health Organisation.
- WHO. (2005). *WHO Air Quality Guidelines for Particulate Matter, Ozone, Nitrogen Dioxide and Sulphur Dioxide, Global update 2005, Summary of Risk Assessment*. World Health Organisation.
- WHO. (2015). *WHO Air Quality Guidelines for Particulate Matter, Ozone, Nitrogen Dioxide and Sulphur Dioxide, Global update 2005, Summary of Risk Assessment*. World Health Organisation.

WHO. (2021). *WHO Global Air Quality Guidelines*. World Health Organisation.

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
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

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	Kilometre 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 Africa National Standard
UK-EA	United Kingdom - Environmental Agency
US-EPA	United States - Environmental Protection Agency
WHO	World Health Organisation

List of Abbreviations and Terms	
Terms	
Analyser	An analyser is a mechanical-electrical-optical device; used to measure the concentration of trace gas pollutants or particulate concentrations.
Calibration	A calibration is a procedure where sensor responses are compared to known standards. Deviations between the expected and known concentrations are corrected and reported.
Database	A database consists of data structures and attendant software which; 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 that is capable of monitoring at least wind speed, direction and temperature.
Model	The software implementation of dispersion modelling mathematics that; calculates; ambient pollution concentrations based on emission figures and meteorological data.
Network	The hardware; includes sensors, data loggers, telemetry and computers and the software; includes data handling, storage programmes, model and database.
Precision Check	The precision check is a procedure where; a sensor is challenged with a gas of a 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; pollutant measurement, meteorological measurement, or data consolidation.
System	The system represents all network components, including the procedures for marshalling and reporting data.

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. All effort is, made to reduce the error to a minimum. Data collection must be above 90% for valid statistical analysis in terms of quality assurance standards.

Table 1: Quality Assurance

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

APPENDIX C
EMISSION INVENTORY*Table 1: Emission Inventory - 2022*

Industry	Description	SO ₂ Emission 2022 (t)	SO ₂ Emission 2022 (t)	SO ₂ Contribution (%)
Foskor	Acid Plant	2384	2394	14%
	Boiler	11		
Tongaat Hulett	Boiler	287	287	2%
Mondi	Flume 1	1413	3072	18%
	Flume 2	834		
	Power Boiler	793		
	Incinerator	8		
	Bleach Plant	24		
Mpact	Babcock	119	340	2%
	JT Boiler	221		
	Oil Burner	0		
RBM	Char Plant	467	540	3%
	Miscellaneous	34		
	MSP (Drier)	38		
	Smokers	1		
South32	FTC	1880	10532	60%
	GTC 1	1949		
	GTC 2	1676		
	GTC 3	1574		
	GTC 4	1574		
	GTC 5	1625		
	Potrooms	253		
Tronox	Tank 1	251	251	1%
Total		17416	17416	100%

Notes:

- Tongaat Hulett shut down during the 1st quarter and last month of the year.
- TATA stopped operations in May 2015

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

RBCAA: Annual Report for 2022						
PM ₁₀ daily averages						
Station	Concentration ($\mu\text{g}/\text{m}^3$)	% of RSA Standard (75 $\mu\text{g}/\text{m}^3$)	% of WHO Guideline (45 $\mu\text{g}/\text{m}^3$)	Time	Wind Direction (°)	Wind Speed (m/s)
CBD	26.0	35%	58%	2022/07/14 00:00	No Data	1.9
eSikhaleni	Data < 80%	-	-	2022/06/04 00:00	45	1.0
Scorpio	Data < 80%	-	-	2022/11/25 00:00	229	4.2
PM _{2.5} daily averages						
Station	Concentration ($\mu\text{g}/\text{m}^3$)	% of RSA Standard (40 $\mu\text{g}/\text{m}^3$)	% of WHO Guideline (15 $\mu\text{g}/\text{m}^3$)	Time	Wind Direction (°)	Wind Speed (m/s)
Brackenham	51.0	128%	340%	2022/09/10 00:00	300	1.4
Felixton	58.0	145%	387%	2022/09/05 00:00	221	3.8
Harbour West	Data < 80%	-	-	2022/10/27 00:00	13	3.3
Scorpio	Data < 80%	-	-	2022/11/15 00:00	52	3.0
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 time beginning.						
Wind speeds of < 1 m/s are considered clams; wind directions measured under these conditions cannot be used for incident investigations.						
This report is an interim report in terms of AIMS' quality system classification. Final data will be published in the monthly report for the system.						
STATUS						
Meteorology						
Airport, Arboretum, Brackenham, 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 for February 2023						
SO ₂ 10-minute averages						
Station	Concentration (ppb)	% of RSA Standard & WHO Guideline (500 µg/m³ / 191 ppb)		Time	Wind Direction (°)	Wind Speed (m/s)
Arboretum	250.2	131%		2022/01/07 09:20	25	0.9
Brackenham	393.7	206%		2022/01/04 14:20	14	4.4
CBD	2251.4	-		2022/02/04 08:10	223	4.6
eSikhaleni	565.0	296%		2022/01/13 12:20	182	2.5
Felixton	732.4	383%		2022/02/03 12:30	236	3.3
Harbour West	2748.5	-		2022/02/02 22:00	50	5.6
Scorpio	2961.3	-		2022/01/14 10:40	180	1.3
SO ₂ hourly averages						
Station	Concentration (ppb)	% of RSA Standard (350 µg/m³ / 134 ppb)	No WHO Guideline	Time	Wind Direction (°)	Wind Speed (m/s)
Arboretum	173.0	129%	-	2022/02/07 07:00	233	2.0
Brackenham	116.2	87%	-	2022/01/04 14:00	13	4.5
CBD	1824.7	-	-	2022/02/04 08:00	223	4.8
eSikhaleni	190.8	142%	-	2022/01/13 12:00	179	2.5
Felixton	288.1	215%	-	2022/01/07 19:00	79	3.3
Harbour West	1992.7	-	-	2022/02/02 22:00	44	6.3
Scorpio	1624.5	-	-	2022/01/14 10:00	174	1.3
SO ₂ daily averages						
Station	Concentration (ppb)	% of RSA Standard (125 µg/m³ / 48 ppb)	% of WHO Guideline (40 µg/m³ / 15 ppb)	Time	Wind Direction (°)	Wind Speed (m/s)
Arboretum	Data < 80%	-	-	2022/01/11 00:00	32	3.4
Brackenham	8.4	18%	56%	2022/01/04 00:00	17	3.6
CBD	295.0	615%	1967%	2022/02/04 00:00	210	5.4
eSikhaleni	Data < 80%	-	-	2022/01/13 00:00	218	1.4
Felixton	19.7	41%	131%	2022/01/07 00:00	72	2.3
Harbour West	486.8	1014%	3245%	2022/02/03 00:00	43	5.3
Scorpio	185.5	386%	1237%	2022/01/23 00:00	145	1.2

Table 3: Maximum concentrations for TRS.

RBCAA: Monthly Report for February 2023						
TRS 10-minute averages						
Station	Concentration (ppb)	No RSA Standard	% of OME TRS Guideline (13.0 µg/m³ / 9.3 ppb)	Time	Wind Direction (°)	Wind Speed (m/s)
CBD	39.8	-	428%	2022/07/20 08:40	No Data	0.9
eSikhaleni	23.8	-	256%	2022/05/06 03:10	80	1.0
Felixton	141.5	-	1522%	2022/01/13 06:20	263	0.0
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 Direction (°)	Wind Speed (m/s)
CBD	26.8	-	536%	2022/07/20 08:30	300	1.4
eSikhaleni	16.7	-	334%	2022/05/06 03:00	85	1.0
Felixton	104.3	-	2086%	2022/07/08 04:30	79	0.0
TRS daily averages						
Station	Concentration (ppb)	No RSA Standard	% of OME TRS Guideline (14.0 µg/m³ / 10.1 ppb)	Time	Wind Direction (°)	Wind Speed (m/s)
CBD	2.9	-	29%	2022/02/02 00:00	33	4.7
eSikhaleni	Data < 80%	-	-	2022/01/14 00:00	158	1.5
Felixton	13.6	-	135%	2022/07/21 00:00	323	1.5

APPENDIX E
RAINFALL*Table 1: Annual Rainfall*

	2016	2017	2018	2019	2020	2021	2022	Average
Richards Bay	1834	1973	1798	1850	1540	2234	1893	1871
Felixton	1126	1512	1354	1261	987	1530	1288	1295
RBCT	936	1555	1005	1317	1049	1669	1934	1255
South32	-	-	-	-	-	-	1336	1336
Average	1298	1680	1386	1476	1192	1811	1613	1474

Table 2: Monthly Rainfall Richards Bay

Month	Richards Bay						
	2016	2017	2018	2019	2020	2021	2022
Jan	84	277	94	182	47	305	127
Feb	100	345	232	195	377	229	193
Mar	137	142	139	78	139	217	62
Apr	179	22	261	214	141	96	647
May	291	476	311	9	53	165	130
Jun	152	62	70	78	114	140	60
Jul	293	25	20	16	48	57	20
Aug	41	75	100	160	107	59	77
Sep	172	51	85	43	144	216	93
Oct	205	94	213	260	171	214	101
Nov	128	144	119	296	122	72	131
Dec	53	260	156	320	77	464	253
Minimum	41	22	20	9	47	57	20
Average	153	164	150	154	128	186	158
Maximum	293	476	311	320	377	464	647
Total	1834	1973	1798	1850	1540	2234	1893

Table 3: Monthly Felixton

Month	Felixton						
	2016	2017	2018	2019	2020	2021	2022
Jan	64	193	43	138	71	207	68
Feb	61	277	129	138	214	231	78
Mar	83	101	89	70	89	126	95
Apr	116	116	138	143	106	135	368
May	243	286	342	9	42	57	120
Jun	32	24	60	53	44	98	20
Jul	183	27	22	17	37	39	15
Aug	20	54	83	39	67	55	37
Sep	92	95	53	79	84	191	51
Oct	124	119	201	144	67	145	98
Nov	77	82	84	121	106	35	174
Dec	32	138	111	311	64	212	163
Minimum	20	24	22	9	37	35	15
Average	94	126	113	105	82	127	107
Maximum	243	286	342	311	214	231	368
Total	1126	1512	1354	1261	987	1530	1288

Table 4: RBCT

Month	RBCT						
	2016	2017	2018	2019	2020	2021	2022
Jan	-	160	42	110	33	215	54
Feb	-	323	137	124	166	146	131
Mar	96	98	78	172	109	194	161
Apr	75	32	161	174	111	69	642
May	162	382	175	14	69	171	268
Jun	80	41	59	24	52	124	30
Jul	240	23	21	5	39	64	30
Aug	8	51	35	68	64	56	25
Sep	144	70	41	59	104	187	115
Oct	55	103	80	164	121	156	71
Nov	58	89	70	186	77	43	129
Dec	19	183	104	216	104	245	279
Minimum	8	23	21	5	33	43	25
Average	94	130	84	110	87	139	161
Maximum	240	382	175	216	166	245	642
Total	936	1555	1005	1317	1049	1669	1934

Table 5: South32

Month	South32 (mm)						
	2016	2017	2018	2019	2020	2021	2022
Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	115
Mar	-	-	-	-	-	-	149
Apr	-	-	-	-	-	-	505
May	-	-	-	-	-	-	106
Jun	-	-	-	-	-	-	25.4
Jul	-	-	-	-	-	-	12
Aug	-	-	-	-	-	-	30.4
Sep	-	-	-	-	-	-	64.2
Oct	-	-	-	-	-	-	64.4
Nov	-	-	-	-	-	-	101.4
Dec	-	-	-	-	-	-	163
Minimum	-	-	-	-	-	-	12
Average	-	-	-	-	-	-	121
Maximum	-	-	-	-	-	-	505
Total	-	-	-	-	-	-	1336

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

No	Date	Region	Type	Source	Description	Response
	January 2022					
1	2022/01/02 00:00	Veldenvlei	Fallout	South32	White fallout on vehicles in Veldenvlei	3, 1
2	2022/01/02 00:00	Veldenvlei	Fallout	South32	White fallout on vehicles in Veldenvlei	3, 1
3	2022/01/02 16:00	Veldenvlei	Clinical + Odour + Visible	Foskor	I experienced burning streaming eyes and an unexplained urge to cough most of the day. At 16h20 I drove out to the vicinity of Foskor and observed a low-level white haze extending from the Foskor plant across the John Ross towards the CBD and residential areas. After driving through the haze I experienced a tight chest, headache, burning throat and burning eyes.	26
4	2022/01/02 18:04	Arboretum Ext	Clinical + Odour + Visible	Foskor	I would like to complain about the pollution coming from Foskor today as well as for the last few weeks. We live in Arboretum extension area close to the Boardwalk. The air looks like there is a light fog at the moment and my throat and my family's is burning from it." Photographs taken the past few days.	26
5	2022/01/05 00:00	Arboretum Ext	Vegetation Damage	Unknown Source - further investigation required	Over the past 2 days ferns have turned brown and died. I visited the premises and took the photographs. Even ferns in the shade and semi-shade were brown. The leaves on the Flamboyant tree in the back yard have also started turning yellow which appears to be unseasonal. Complainants want to know if this is as a result of the gas leaks at Foskor.	6, 1
6	2022/01/05 05:30	Meerensee	Clinical + Odour	Unknown Source - further investigation required	Terrible acidic gas smell causing scratchy throat and sneezing	27, 1
7	2022/01/06 22:57	Meerensee	Clinical + Odour	Foskor	Very strong gas smell causing headaches and burning eyes and nose to burn	28
8	2022/01/07 06:47	Arboretum Ext	Clinical + Odour + Visible	Foskor	Foskor this morning is very bad. Woke with a burning throat and blocked nose. When my wife and I went for our run there was a haze hanging over Arboretum ext. Just drove past Foskor and took pictures of their gas leak which is still very much present."	29
9	2022/01/07 11:00	Grindrod Terminals (Navitrade)	Clinical + Odour + Visible	Foskor	Severe acidic fallout and odour causing serious respiratory problems. Employees complaining of burning eyes, chest and throat. Employees eventually had to be evacuated from site and operations stopped. White acid clouds were observed in the morning while driving past Foskor on the John Ross and wind direction was from Foskor directly towards Navitrade	29

No	Date	Region	Type	Source	Description	Response
10	2022/01/08 12:00	Grindrod Terminals (Navitrade)	Clinical + Odour + Visible	Foskor	Smell and emissions coming from Foskor causing employees to experience burning eyes and headache. It was reported that it was so bad that employees were having to “double mask”. Approximately 20 employees were affected.	30
11	2022/01/08 12:45	Foskor area	Clinical + Odour + Visible	Foskor	Acidic odour and low level white haze over the Foskor facility blowing from Foskor across West Central Arterial towards the Grindrod Terminals Site (Navitrade).	30
12	2022/01/08 13:50	Grindrod Terminals (Navitrade)	Odour	Foskor	Same “Bad acid smell” that was reported earlier still present.	23
13	2022/01/13 08:53	Foskor area	Clinical	Foskor	My eyes are watering and nose running and head aching. Colleague experiencing sneezing and burning nose	8
14	2022/01/13 15:40	Meerensee	Clinical	Foskor	“I have had a constant headache and we are all suffering from burning throats. This has been going on for a while but this week seems particularly bad.”	13
15	2022/01/14 09:00	Hillside Area	Clinical + Odour + Visible	Foskor	“ We have had numerous complaints of a bad odour with the following symptoms coughing, sneezing and headache from employees this morning. Just after 9:00 am Hillside triggered the in evacuation alarm to bring all employees and contractors inside due to the odour. The all clear was given at 9:35 given that there was no alarm from Foskor and the SO2 levels had dropped at Scorpio station.”	25
16	2022/01/14 09:25	Veldenvlei	Clinical + Odour + Visible	Foskor	Acidic smell and significant low-level emissions emanating from the Foskor plant, causing coughing, throat irritation and tight chest.	14
17	2022/01/14 09:45	Alton	Clinical + Odour	Foskor	Gas smell causing coughing and tight chest. Employees had to in-vac.	14
18	2022/01/15 14:15	Grindrod Terminals (Navitrade)	Clinical + Odour	Unknown Source - further investigation required	Acidic odour causing throat and chest irritation.	24, 1
19	2022/01/17 13:06	Alton	Spillage	Foskor	An employee reported large volumes of what looks like a sulphur spill in Alumina Alley generating significant dust as the trucks drive through it.	1
20	2022/01/17 13:50	Alton	Spillage	Foskor	Significant sulphur spillage along Alumina Alley and Bronze Bar	1
21	2022/01/17 22:39	Foskor area	Visible	Foskor	PM bad stack visibility was noticed on A&B stack.	36
22	2022/01/18 06:00	Arboretum Ext	Clinical + Odour	Foskor	“Acidic odour normally associated with Foskor causing burning eyes and throat and headache”	12
23	2022/01/18 06:00	Arboretum Ext	Clinical + Odour	Foskor	“Acidic odour normally associated with Foskor causing burning eyes and throat and headache”	12
24	2022/01/22 07:00	Alton	Clinical	Foskor	<i>From 07:00 to 12:00 “Coughing and burning sensation in the throat.”</i>	22
25	2022/01/22 07:00	Hillside Area	Clinical	Foskor	Cast house employees have reported coughing symptoms. They are currently being assessed in the clinic for further symptoms.	18

No	Date	Region	Type	Source	Description	Response
26	2022/01/22 07:25	Foskor area	Clinical	Foskor	<i>"Gas from Foskor. Struggling to breathe, coughing and burning eyes and throat."</i>	18
27	2022/01/22 08:19	Hillside Area	Clinical	Foskor	Cast house employees have reported coughing symptoms this morning, 22 Jan from 7:00. They are currently being assessed in the clinic for further symptoms	18
28	2022/01/22 09:00	Grindrod Terminals (Kusasa)	Fallout + Odour	Foskor	<i>"severe acidic fallout and odour"</i>	18
29	2022/01/22 09:17	Grindrod Terminals (Kusasa)	Odour	Foskor	<i>"Employees are complaining about the acidic smell that comes from Foskor direction. It's been like this for several days now and it's very bad. I have personally experienced this and it's very bad."</i>	18
30	2022/01/22 09:40	Grindrod Terminals (Kusasa)	Clinical + Odour	Foskor	<i>"reported coughing and severe gas odour"</i>	18
31	2022/01/23 00:00	Hillside Area	Clinical + Odour	Foskor	On Sunday morning Hillside had to conduct an invacuation due to the excessive SO2 emissions picked up at Scorpio station. Employees reported a strong odour as well as many having coughing and sore throats due to the exposure to SO2.	17
32	2022/01/23 08:38	CBD	Clinical + Odour	Foskor	<i>"String smell in Dollar Drive, people coughing"</i>	17
33	2022/01/23 12:36	Richards Bay	Clinical	Foskor	"Daughter battling with tight chest today and yesterday"	17
34	2022/01/23 16:30	Grindrod Terminals (Navitrade)	Odour	Foskor	"severe acidic odour at Navitrade"	17
35	2022/01/23 17:05	Foskor area	Clinical + Odour	Foskor	"Pungent odour causing burning sensation of the sinus"	19
36	2022/01/23 18:34	Grindrod Terminals (Navitrade)	Odour	Foskor	"severe acidic odour at Navitrade"	17
37	2022/01/24 14:37	Grindrod Terminals (Kusasa)	Clinical + Odour	Unknown Source - further investigation required	"Strong chemical odour coming from Foskor. Can also taste it."	20, 1
38	2022/01/26 08:12	Grindrod Terminals (Kusasa)	Clinical + Odour	Foskor	"Another strong chemical odour coming from Foskor. Same taste as the last. We had two employees now that started coughing from it."	21
39	2022/01/26 08:25	Grindrod Terminals (Kusasa)	Clinical + Odour	Foskor	"smell still strong at Kusasa, burning nose, strange taste in mouth, coughing, throat irritation."	16

No	Date	Region	Type	Source	Description	Response
40	2022/01/26 08:32	Grindrod Terminals (Navitrade)	Clinical + Odour	Foskor	"At Navitrade employees experience smell of some gas from 08:15."	15
41	2022/01/26 09:30	Grindrod Terminals (Kusasa)	Clinical + Odour	Foskor	"Kusasa is experiencing extreme Sulphur Dioxide gas, it is extremely strong causing coughing, burning chest and nose."	15
42	2022/01/26 09:40	Grindrod Terminals (Kusasa)	Clinical + Odour	Unknown Source - further investigation required	coughing and severe gas odour	1
43	2022/01/29 22:00	Arboretum Ext	Odour	Unknown Source - further investigation required	Very bad odour forcing complainant to close windows	1
44	2022/01/29 22:00	Arboretum Ext	Odour	Unknown Source - further investigation required	Very bad odour forcing complainant to close windows	1
45	2022/01/29 22:12	Arboretum Ext	Clinical + Odour	Mondi	"Very bad smell in the air over Arboretum extension. It actually burns my nose and makes my throat feel like swelling"	4
46	2022/01/29 22:35	Veldenvlei	Odour	Mondi	Mondi odour	4
February 2022						
1	2022/02/02 16:03	Grindrod Terminals (Kusasa)	Clinical + Odour	Foskor	"gas can be smelled and tasted at Kusasa administration block."	10
2	2022/02/02 16:03	Grindrod Terminals (Kusasa)	Odour	Foskor	"We have received a gas smell complaint from one of our employees. The smell was strong from down Maintenance workshop and subsided as they move towards the Kusasa Admin block."	9
3	2022/02/03 10:30	Grindrod Terminals (Kusasa)	Odour	Foskor	Complained of a gas smell that is impacting their planned tasks such that it had to be cancelled as a result of the severe odour.	11
4	2022/02/03 12:30	Grindrod Terminals (Kusasa)	Odour	Unknown Source - further investigation required	"She stated there was a gas leak alarm that was sounded just now and the gas smell is quiet strong."	46, 1
5	2022/02/03 12:30	Grindrod Terminals (Kusasa)	Clinical	Unknown Source - further investigation required	"Severe gas leak at 12h30. Burning of eyes and skin. Can barely breathe."	46, 1
6	2022/02/04 00:00	Arboretum	Clinical	Unknown Source - further investigation required	My husband and I woke with sore throats, dizzy, and I had itchy ears, runny itchy nose, postnasal drip, eyes irritated and it carried on through the weekend, sore and inflamed sinuses and then headaches. Last night I had a fever. Went for Covid test – negative. Now irritating cough no phlegm and irritated respiratory passage	47, 1

No	Date	Region	Type	Source	Description	Response
7	2022/02/04 00:00	Arboretum	Clinical	Unknown Source - further investigation required	My husband and I woke with sore throats, dizzy, and I had itchy ears, runny itchy nose, postnasal drip, eyes irritated and it carried on through the weekend, sore and inflamed sinuses and then headaches. Last night I had a fever. Went for Covid test – negative. Now irritating cough no phlegm and irritated respiratory passage	47, 1
8	2022/02/04 05:50	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Choking gas causing coughing, Burning chest	5, 47, 1
9	2022/02/04 06:30	CBD	Clinical + Odour	Unknown Source - further investigation required	choking gas causing Coughing	5, 47, 1
10	2022/02/04 06:45	CBD	Clinical + Odour	Unknown Source - further investigation required	Choking gas causing coughing, Burning chest	5, 47, 1
11	2022/02/04 08:59	CBD	Clinical + Odour	Unknown Source - further investigation required	choking gas causing Coughing	5, 47, 1
12	2022/02/04 11:00	Richards Bay	Clinical	Unknown Source - further investigation required	Suffocating, sneezing, watery eyes, and running nose	5, 1
13	2022/02/05 00:00	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	Date: 5-7 February 2022 Could smell a strange odour in the air on Saturday (5 February) and I was sneezing a lot during the day. Woke up on Sunday with a blocked nose with yellow mucus. On Monday morning my symptoms were the same and I smelled an odour as I walked to my car to go to work. As the day progressed I have a slight headache too.	35, 48, 1
14	2022/02/05 16:00	Alton	Clinical + Odour	Unknown Source - further investigation required	Whilst walking outside my workshop i inhaled this strong strong gas smell. I am familiar with the gas smell cos its not my first time inhaling it. I have noticed when there is heavy wind or on rainy days i get this smell. I experienced severe throat soreness, tight chest, burning nose, and burning eyes. I filled out an incident report and visited my clinic on Monday cos of my tight chest and sore throat. Its not my first time. I also experienced it two weeks ago at Bell Equipment.	35, 48, 1
15	2022/02/05 16:00	Foskor area	Clinical + Odour + Visible	Unknown Source - further investigation required	“Whilst driving past Foskor there was clouds of smoke looming over Foskor. I was blinded and struggled to drive. My kids were crying and coughing. I have been sick with headaches, coughing, vomiting and nausea since. I was treated by my general practitioner”.	35, 48, 1
16	2022/02/05 17:00	Arboretum	Clinical	Unknown Source - further investigation required	Air that very itchy and very painful. Symptoms : headache, running nose, sinus, tiredness, painful nose	35, 48, 1
17	2022/02/05 17:00	Hillside Area	Clinical + Odour	Unknown Source - further investigation required	Please can you log a compliant for odour and respiratory symptoms from a Hillside employee that came to the clinic on Saturday at 5pm.	35, 48, 1
18	2022/02/06 00:00	Arboretum	Clinical + Visible	Unknown Source - further investigation required	On Sunday we had it looked like smoke hanging in the Air And was sneezing a lot	33, 49, 1
19	2022/02/06 00:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	06 / 07 February. pm and am. no odour at the port, gas smell at Arboretum. dizzy, difficulty breathing/shortness of breath, sore and burning throat and mouth, burning face. Going back to work, shift starts at 2pm	33, 49, 1

No	Date	Region	Type	Source	Description	Response
20	2022/02/06 06:00	Veldenvlei	Clinical + Odour	Unknown Source - further investigation required	Sunday morning at 6 I woke up with a bad headache and tight chest. The tight chest continued yesterday where I work in Ceramic Curve Alton. Last night at home, approx. 18:00, I had to medicate and nebulize my chest as it had become extremely tight. This morning I woke up at 5 and was okay. I dropped my youngest at Arboretum Primary at 6:35 and smelled something like gas. My husband said he could not smell it but I smelt it and my youngest 10, commented on the smell before I did. She said that the air stank. When I arrived at work 10 minutes later, my throat was sore, my chest started up again, feeling tight and out of breath during long conversations. Phlegmy nasal drip. Yesterday morning, my oldest in grade 8, had to be collected from Richards Bay High School. She had a massive headache, felt nauseous and practically slept the entire day. She is fine today	33, 49, 1
21	2022/02/06 06:00	Veldenvlei	Odour	Unknown Source - further investigation required	Sunday morning at 6 I woke up with a bad headache and tight chest. The tight chest continued yesterday where I work in Ceramic Curve Alton. Last night at home, approx. 18:00, I had to medicate and nebulize my chest as it had become extremely tight. This morning I woke up at 5 and was okay. I dropped my youngest at Arboretum Primary at 6:35 and smelled something like gas. My husband said he could not smell it but I smelt it and my youngest 10, commented on the smell before I did. She said that the air stank. When I arrived at work 10 minutes later, my throat was sore, my chest started up again, feeling tight and out of breath during long conversations. Phlegmy nasal drip. Yesterday morning, my oldest in grade 8, had to be collected from Richards Bay High School. She had a massive headache, felt nauseous and practically slept the entire day. She is fine today	33, 49, 1
22	2022/02/06 08:00	Meerensee	Clinical	Unknown Source - further investigation required	nauseous, lightheaded and headache	33, 49, 1
23	2022/02/06 10:00	Veldenvlei Ext	Clinical	Unknown Source - further investigation required	"My son Keegan who is 11 years old started complaining of nausea, headache and burning chest pain. He started vomiting on 7 February, myself have been feeling the same. We have a 2-year-old who also vomited, and our 11-month-old baby vomited.	33, 49, 1
24	2022/02/06 10:00	Veldenvlei Ext	Clinical	Unknown Source - further investigation required	"My son Keegan who is 11 years old started complaining of nausea, headache and burning chest pain. He started vomiting on 7 February, myself have been feeling the same. We have a 2-year-old who also vomited, and our 11-month-old baby vomited.	33, 49, 1
25	2022/02/06 10:00	Veldenvlei Ext	Clinical	Unknown Source - further investigation required	"My son Keegan who is 11 years old started complaining of nausea, headache and burning chest pain. He started vomiting on 7 February, myself have been feeling the same. We have a 2-year-old who also vomited, and our 11-month-old baby vomited.	33, 49, 1
26	2022/02/06 10:00	Veldenvlei Ext	Clinical	Unknown Source - further investigation required	"My son Keegan who is 11 years old started complaining of nausea, headache and burning chest pain. He started vomiting on 7 February, myself have been feeling the same. We have a 2-year-old who also vomited, and our 11-month-old baby vomited.	33, 49, 1
27	2022/02/06 11:30	Veldenvlei	Clinical	Unknown Source - further investigation required	Around 11:30 yesterday 6 February I started to feel very nauseous. It got better late last night. This morning 7th February I dropped my son off in Meerensee around 7 45. Returning to home in Veldenvlei passing Arboretum I got nauseous again. I remained indoors today and did not experience it again	49, 1

No	Date	Region	Type	Source	Description	Response
28	2022/02/06 19:00	Arboretum	Clinical	Unknown Source - further investigation required	I didn't smell anything. I had a heck of headache and I was very nauseous	34, 49, 1
29	2022/02/07 00:00	Arboretum	Clinical	Unknown Source - further investigation required	burning eyes, sore throat & headaches	45, 1
30	2022/02/07 00:00	Arboretum	Clinical	Unknown Source - further investigation required	burning eyes, sore throat & headaches	45, 1
31	2022/02/07 00:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	"This morning I woke up to go for a jog and could smell the SO2. It was so bad on the lungs that I could not run anymore. These gas leaks are a serious concern."	45, 1
32	2022/02/07 00:00	Arboretum	Clinical	Unknown Source - further investigation required	burning eyes, sore throat & headaches	45, 1
33	2022/02/07 00:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	We have a big problem in this town about the gas hanging over the town. It is a big health risk. On 07/02/2022 Monday morning at Richards Bay High School this gas leak endangered every child in that school. My daughter Nicole Moorcroft had to be admitted to hospital at Empangeni private hospital she was in a real bad state. Se was transported with the ambulance directly from the school. And my younger daughter called me and told me that her sister was in ambulance and they are going to the hospital. This is unacceptable we want answers about this leak. This could've been worse. Please look into this matter.	45, 1
34	2022/02/07 00:00	Arboretum Ext	Clinical	Unknown Source - further investigation required	I became seriously ill. Nausea, sore throat, battling to breathe, runny tummy.	45, 1
35	2022/02/07 00:00	Brackenham	Clinical	Unknown Source - further investigation required	Smell of ammonia. Symptoms Fever and Headaches	45, 1
36	2022/02/07 00:00	Meerensee	Clinical	Unknown Source - further investigation required	Time; Throughout the day Description of incident/odour; No incident or odour, feedback as to situation that could pertain to current situation in Richard's bay- Cancer patient with a breathing track in throat. Symptoms; Started to have shallow breathing , tight chest and lots of coughing.	45, 1
37	2022/02/07 00:00	Meerensee	Clinical	Unknown Source - further investigation required	Heavy headaches, nausea. 2 children held out of school for the day due to this. 1 child not feeling well. 2 adults heavy headaches and nausea	45, 1
38	2022/02/07 00:00	Meerensee	Clinical	Unknown Source - further investigation required	Heavy headaches, nausea. 2 children held out of school for the day due to this. 1 child not feeling well. 2 adults heavy headaches and nausea	45, 1
39	2022/02/07 00:00	Meerensee	Clinical	Unknown Source - further investigation required	Heavy headaches, nausea. 2 children held out of school for the day due to this. 1 child not feeling well. 2 adults heavy headaches and nausea	45, 1
40	2022/02/07 00:00	Meerensee	Clinical	Unknown Source - further investigation required	Heavy headaches, nausea. 2 children held out of school for the day due to this. 1 child not feeling well. 2 adults heavy headaches and nausea	45, 1
41	2022/02/07 00:00	Veldenvlei	Clinical	Unknown Source - further investigation required	Throat and nose irritation. Watery eyes. Dry throat and skin.	45, 1
42	2022/02/07 00:00	Veldenvlei	Clinical + Odour	Unknown Source - further investigation required	Due to the gas leaking in Richards bay from Foskor, i have complained several times to Sandy cummings off the air pollution from last year already we get it bad at night and mornings in veld en vlei its not just bad for humans but what about all the pets	45, 1

No	Date	Region	Type	Source	Description	Response
					and birds out side. AND NEW BORN BABIES TOO. The symptoms we get from this is sore throat headaches burning nose itchy eyes and battling to breath and a ammonia smell like cat pee but very strong. Foskop needs to be moved far out off town or seriously needs to make a plan with the gas leaks. Resident from veld en vlei are fedupp.	
43	2022/02/07 01:27	Arboretum	Clinical + Odour	Unknown Source - further investigation required	would like to report that sulphur could be smelled and tasted at roughly 01:27am this morning when my husband and I were getting ready to go to bed. No sirens went off as warning or anything.	45, 1
44	2022/02/07 01:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache	45, 1
45	2022/02/07 02:30	Veldenvlei	Clinical	Unknown Source - further investigation required	Shortness of breath, Wheezing cough	45, 1
46	2022/02/07 03:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	the chemical air story is giving my wife extreme headaches since 3am this morning. She smelled chemical and tried getting clean air into the house but couldn't as it came from outside. Please send template for complaint form so that we can log official complaint.	45, 1
47	2022/02/07 03:00	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
48	2022/02/07 04:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Nausea or vomiting, Shortness of breath	45, 1
49	2022/02/07 04:00	Arboretum Ext	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
50	2022/02/07 04:50	Arboretum	Clinical	Unknown Source - further investigation required	Chest pains, Feeling lightheaded, Shortness of breath	45, 1
51	2022/02/07 05:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting	45, 1
52	2022/02/07 05:00	Arboretum	Clinical	Unknown Source - further investigation required	Chest pains, Shortness of breath	45, 1
53	2022/02/07 05:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath, Asma	45, 1
54	2022/02/07 05:00	Arboretum	Clinical	Unknown Source - further investigation required	Chest pains, Feeling lightheaded, Nausea or vomiting	45, 1
55	2022/02/07 05:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath	45, 1
56	2022/02/07 05:00	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	started at 05h00 severe at 06h00, gas smell causing coughing and throat to close	45, 1
57	2022/02/07 05:00	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	started at 05h00 severe at 06h00, gas smell causing coughing and throat to close	45, 1

No	Date	Region	Type	Source	Description	Response
58	2022/02/07 05:00	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	started at 05h00 severe at 06h00, gas smell causing coughing and throat to close	45, 1
59	2022/02/07 05:00	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	started at 05h00 severe at 06h00, gas smell causing coughing and throat to close	45, 1
60	2022/02/07 05:00	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	started at 05h00 severe at 06h00, gas smell causing coughing and throat to close	45, 1
61	2022/02/07 05:00	Arboretum Ext	Clinical	Unknown Source - further investigation required	I got up with severe headache and my sinus and eyes burning. Head feels heavy and I feel hazy.	45, 1
62	2022/02/07 05:00	Meerensee	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded	45, 1
63	2022/02/07 05:10	Arboretum	Clinical	Unknown Source - further investigation required	Headache	45, 1
64	2022/02/07 05:30	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
65	2022/02/07 05:30	Arboretum	Odour	Unknown Source - further investigation required	Please note that a very heavy acidic odour was noticed in Arboretum Haakdoringrug number 86 this morning at around 05h30. Please investigate the heavy odour in the area.	45, 1
66	2022/02/07 05:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
67	2022/02/07 05:30	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath	45, 1
68	2022/02/07 05:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
69	2022/02/07 05:30	Arboretum Ext	Clinical	Unknown Source - further investigation required	Burning eyes and sinus irritation.	34, 45, 1
70	2022/02/07 05:40	Arboretum Ext	Clinical	Unknown Source - further investigation required	Lots of coughing and a bad metal taste in mouth	45, 1
71	2022/02/07 05:40	Arboretum Ext	Clinical	Unknown Source - further investigation required	Coughing and chest irritation	45, 1
72	2022/02/07 05:45	Arboretum	Clinical + Visible	Unknown Source - further investigation required	I was exercising outdoors (Arboretum) at 05:45 when I suddenly could not breath properly. Luckily I was not far from home. As I reached home I saw particles in the air and wondered what it was. I am not someone who will usually make a fuss, but tonight I am really struggling to deeply inhale and my chest is actually sore.	45, 1
73	2022/02/07 05:45	Arboretum	Clinical + Odour	Unknown Source - further investigation required	The air I inhaled felt sharp and stung my throat. Smelt sulphur like. The air was also murky outside. Symptoms; Stung my throat, made me feel like I was chocking up and getting wheezy. The whole family was sneezing excessively (only 2 of us 4 suffer with hay fever).	45, 1

No	Date	Region	Type	Source	Description	Response
74	2022/02/07 05:50	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
75	2022/02/07 05:50	Arboretum	Clinical	Unknown Source - further investigation required	I came out my house and had shortness of breath and headache and dizzy	45, 1
76	2022/02/07 05:50	Foskor Area	Clinical	Unknown Source - further investigation required	burning eyes and coughing	45, 1
77	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath	45, 1
78	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
79	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Shortness of breath	45, 1
80	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Experienced bad head ache and tight chest	45, 1
81	2022/02/07 06:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My 7 year old daughter got up with a bleeding nose and sore throat. By the afternoon she had a fever , runny nose and sneezing .There was a smell that's difficult to explain.	45, 1
82	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
83	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting	45, 1
84	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Symptoms; Reno – dizziness, nausea; Ryan – Stomach pains, burning throat, headache, nausea	45, 1
85	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Symptoms; Ryan – Stomach pains, burning throat, headache, nausea	45, 1
86	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	"I had been out of bed for 10 minutes I started to feel nauseas and gain a headache that has continued the entire day and now it feels like I can barely move because of either muscular pain or some other pain that is affecting my whole body. I couldn't smell anything different."	45, 1
87	2022/02/07 06:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Shortness of breath, Fever, fatigue	45, 1
88	2022/02/07 06:00	Birdswood	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Feeling lightheaded, Nausea or vomiting	45, 1
89	2022/02/07 06:00	Foskor area	Clinical + Odour	Unknown Source - further investigation required	I passed Foskor on my way to work, (RB Gypsum) on the way to Empangeni. I inhaled the gas and could not breath for a minute or 2. Felt sore on my chest/lungs. I immediately know it was SO2 (Was on the Foskor management for many years). I phoned Sandy Camminga and discussed it with her.	45, 1

No	Date	Region	Type	Source	Description	Response
90	2022/02/07 06:00	Veldenvlei	Clinical	Unknown Source - further investigation required	Sunday morning at 6 I woke up with a bad headache and tight chest. The tight chest continued yesterday where I work in Ceramic Curve Alton. Last night at home, approx. 18:00, I had to medicate and nebulize my chest as it had become extremely tight. This morning I woke up at 5 and was okay. I dropped my youngest at Arboretum Primary at 6:35 and smelled something like gas. My husband said he could not smell it but I smelt it and my youngest 10, commented on the smell before I did. She said that the air stank. When I arrived at work 10 minutes later, my throat was sore, my chest started up again, feeling tight and out of breath during long conversations. Phlegmy nasal drip. Yesterday morning, my oldest in grade 8, had to be collected from Richards Bay High School. She had a massive headache, felt nauseous and practically slept the entire day. She is fine today	45, 1
91	2022/02/07 06:06	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath, My wife fell down, we were dizzy our neighbours were also ill we stay near the high school and these people need to be held accountable	45, 1
92	2022/02/07 06:10	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
93	2022/02/07 06:15	Arboretum	Clinical	Unknown Source - further investigation required	After going outside briefly I experienced severe chest pain(tightness), battled to breath easily and chesty coughing. It was cleared by the steam of a hot shower.	45, 1
94	2022/02/07 06:15	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Arrived at work, to discover strong smell inside classroom and outside by the children's bathrooms. Smelt like something had died. Symptoms: Chest pain, headache, nauseous, strange taste in mouth and felt like passing out. It's now 20:50pm on the 7 February 2022, and I still have the strange taste in the mouth and not feeling 100% normal.	45, 1
95	2022/02/07 06:15	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
96	2022/02/07 06:15	Arboretum Ext	Clinical + Odour	Unknown Source - further investigation required	At approximately 06:15 this morning I was outside my house and smelled a sharp Sulphur like scent in the air. The smell caused my throat to burn and gave me a headache. Symptoms : burning sensation in throat, headache	45, 1
97	2022/02/07 06:15	Foskor Area	Clinical	Unknown Source - further investigation required	Shortness of breath	45, 1
98	2022/02/07 06:20	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains	45, 1
99	2022/02/07 06:20	Foskor Area	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Shortness of breath	45, 1
100	2022/02/07 06:30	Alton	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Nausea or vomiting	45, 1
101	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Indescribable smell. Sore throat, tight chest, headache, nausea.	45, 1
102	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Indescribable smell. Sore throat, tight chest, headache, nausea.	45, 1

No	Date	Region	Type	Source	Description	Response
103	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Indescribable smell. Sore throat, tight chest, headache, nausea.	45, 1
104	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Indescribable smell. Sore throat, tight chest, headache, nausea.	45, 1
105	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Indescribable smell. Sore throat, tight chest, headache, nausea.	45, 1
106	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Experienced a extremely strong smell. Headache	45, 1
107	2022/02/07 06:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
108	2022/02/07 06:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Burning chest	45, 1
109	2022/02/07 06:30	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
110	2022/02/07 06:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	smells like gas , which i assumed must be a gas leak at Foskor. Headache	45, 1
111	2022/02/07 06:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
112	2022/02/07 06:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded	45, 1
113	2022/02/07 06:30	Arboretum Ext	Clinical	Unknown Source - further investigation required	only figured out what is wrong at 10h00, "husband left for work at 06h30 after that I must have passed out/fallen asleep. My maid tried to wake me at 09h30 because my husband couldn't get hold of me. My maid says she called me 4 times no response only when she touched me did I wake. As I sat up my chest was tight and sore, and I was dizzy and nauseas. Husband woke up with a massive headache."	45, 1
114	2022/02/07 06:30	Arboretum Ext	Clinical	Unknown Source - further investigation required	only figured out what is wrong at 10h00, "husband left for work at 06h30 after that I must have passed out/fallen asleep. My maid tried to wake me at 09h30 because my husband couldn't get hold of me. My maid says she called me 4 times no response only when she touched me did I wake. As I sat up my chest was tight and sore, and I was dizzy and nauseas. Husband woke up with a massive headache."	45, 1
115	2022/02/07 06:35	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Date : 07 Feb 2022. Time: 06:35. Description: stinky fowl smell in the air. Symptoms: started choking , nose and throat started burning . Felt like my nose is leaking.	45, 1
116	2022/02/07 06:35	Arboretum	Odour	Unknown Source - further investigation required	Complain about gas leak	45, 1
117	2022/02/07 06:35	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath, Burning nose	45, 1
118	2022/02/07 06:35	Arboretum Ext	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1

No	Date	Region	Type	Source	Description	Response
119	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Shortness of breath, The air quality was 'thin' to breath.	45, 1
120	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
121	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	Went outside to take the kids to school and all 3 of us got sick. Coughing and headache	45, 1
122	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	Went outside to take the kids to school and all 3 of us got sick. Coughing and headache	45, 1
123	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	Went outside to take the kids to school and all 3 of us got sick. Coughing and headache	45, 1
124	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Shortness of breath, The air quality was 'thin' to breath.	45, 1
125	2022/02/07 06:40	Arboretum	Clinical	Unknown Source - further investigation required	I could smell a odour in the air and I started to cough. Do I need to see a doctor for a check up?	45, 1
126	2022/02/07 06:40	Meerensee	Clinical + Odour + Visible	Unknown Source - further investigation required	URGENT COMPLAINT ABOUT THE GAS LEAK AT FOSKOR – RICHARDS BAY. DATE: 07.02.2022 I was travelling from Meerensee to Alton for work at 06:40am this morning. I saw a smoky looking cloud hanging over the road just outside Foskop. As I drove through it; I tasted a sour/bitter strong fume like taste and my eyes started burning. I immediately hold my breath and closed my windows and switch my air vents OFF. As I passed +/- 60m I opened my windows to get all the fumes out my car and grasp for some Air. 10:42am - I am currently experiencing major headaches, my nose feels burnt and very itchy, my throat is painning/burning, my lungs and chest are in so much pain. I AM VERY UPSET ABOUT THIS INCIDENT!!!! FOSKOR IS LITERALLY KILLING THE PEOPLE OF RICHARDS BAY!!!! THIS COMPANY NEEDS TO BE SHUTDOWN!!!! WE CANT LIVE HERE WITH THEM AND THEIR TOXICITY.	45, 1
127	2022/02/07 06:40	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Cough and nausea	45, 1
128	2022/02/07 06:40	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
129	2022/02/07 06:45	Alton	Clinical	Unknown Source - further investigation required	Headache	45, 1
130	2022/02/07 06:45	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
131	2022/02/07 06:45	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, burning sensation in nose and throat	45, 1
132	2022/02/07 06:45	Arboretum	Clinical + Odour	Unknown Source - further investigation required	A very potent smell was in the air. Symptoms: couldn't breathe properly - nose and throat was burning.	45, 1

No	Date	Region	Type	Source	Description	Response
133	2022/02/07 06:45	Foskor Area	Clinical + Odour	Unknown Source - further investigation required	Close to TWK gate the smell was very strong and it was quite an issue. Everyone experienced some symptom like headache, sore throat, and dizziness.	45, 1
134	2022/02/07 06:45	Foskor Area	Clinical + Odour	Unknown Source - further investigation required	Close to TWK gate the smell was very strong and it was quite an issue. Everyone experienced some symptom like headache, sore throat, and dizziness.	45, 1
135	2022/02/07 06:45	Foskor Area	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath, Coughing later the day, next day was n wet cough and 3rd day more dry	45, 1
136	2022/02/07 06:45	Foskor Area	Clinical	Unknown Source - further investigation required	Chest pains, Nausea or vomiting	45, 1
137	2022/02/07 06:45	Foskor Area	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath	45, 1
138	2022/02/07 06:45	Foskor Area	Clinical + Odour	Unknown Source - further investigation required	Close to TWK gate the smell was very strong and it was quite an issue. Everyone experienced some symptom like headache, sore throat, and dizziness.	45, 1
139	2022/02/07 06:45	Foskor Area	Clinical + Odour	Unknown Source - further investigation required	Close to TWK gate the smell was very strong and it was quite an issue. Everyone experienced some symptom like headache, sore throat, and dizziness.	45, 1
140	2022/02/07 06:45	Veldenvlei	Clinical + Odour	Unknown Source - further investigation required	Smelt gas, felt nauseated and started with a headache. Dropped my daughter at school and there I started coughing.	34, 45, 1
141	2022/02/07 06:50	Alton	Clinical	Unknown Source - further investigation required	Struggling to breathe and dizzy.	45, 1
142	2022/02/07 06:50	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Sharp odour which causes coughing as soon as being inhaled. Symptoms: Coughing, Burning throat, burning nose, burning eyes.	45, 1
143	2022/02/07 06:50	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Sharp odour which causes coughing as soon as being inhaled. Symptoms: Coughing, Burning throat, burning nose, burning eyes.	45, 1
144	2022/02/07 06:50	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Sharp odour which causes coughing as soon as being inhaled. Symptoms: Coughing, Burning throat, burning nose, burning eyes.	45, 1
145	2022/02/07 06:50	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting, Shortness of breath	45, 1
146	2022/02/07 06:50	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Sharp odour which causes coughing as soon as being inhaled. Symptoms: Coughing, Burning throat, burning nose, burning eyes.	45, 1
147	2022/02/07 06:50	Foskor Area	Clinical	Unknown Source - further investigation required	Headache and burning nose.	45, 1
148	2022/02/07 06:50	JR Highway	Clinical	Unknown Source - further investigation required	"All the children on the Felixton bus were coughing badly"	45, 1
149	2022/02/07 06:55	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Description of incident/odour; Egg smell and metal taste. Symptoms; coughing	45, 1
150	2022/02/07 06:55	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Description of incident/odour; Egg smell and metal taste. Symptoms; coughing	45, 1
151	2022/02/07 06:55	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Description of incident/odour; Egg smell and metal taste. Symptoms; coughing	45, 1

No	Date	Region	Type	Source	Description	Response
152	2022/02/07 06:55	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Description of incident/odour; Egg smell and metal taste. Symptoms; coughing	45, 1
153	2022/02/07 06:55	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
154	2022/02/07 06:55	Foskor Area	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath	45, 1
155	2022/02/07 06:55	Veldenvlei	Clinical + Visible	Unknown Source - further investigation required	Haze observed when looking down the street. Developed sore throat, headache, nausea and fatigue.	45, 1
156	2022/02/07 07:00	Alton	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
157	2022/02/07 07:00	Alton	Clinical + Visible	Unknown Source - further investigation required	we drove from veld en vlei and went to Alton via Wildenweide. Description of incident/odour; we saw a fog that was dark Grey and a metallic taste in our mouth Symptoms; as we entered Alton my daughter started feeling nauseous. Once she got to work she started throwing up and feeling a tightness in her chest. She also had a burning sensation pushing up from her tummy. I have since taken her to the pharmacy and she was nebulizer and given something for the burning sensation. She is still throwing up and feels like a gaseous burning sensation when throwing up. SHE IS BEING MONITORED AT HOME....NOT SURE IF THAT IS SAFE.	45, 1
158	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	gas causing headaches and terrible sinus	45, 1
159	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	"experienced a gas smell. I was working in my garden, had difficulty breathing, nausea, very dizzy."	45, 1
160	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
161	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	"I am reporting that yesterday I got affected by the gas leak in the morning around 7am. It started with a rash on my face and then I started feeling chest pains midday but hoped it would go away. In the afternoon I had a headache, my eyes, chest pains are worse, and I am struggling to breathe. Tuesday my family took me to the doctor. In the evening it got worse, and they took me to clinic and then hospital because its only nebulizer that could keep me breathing properly. I haven't been at work since Monday. It was foggy. First with the other teachers we thought it was from the rainy weekend, but it got us coughing and having chest pains."	45, 1
162	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath, Itchy ears	45, 1
163	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Chest pains, Shortness of breath	45, 1
164	2022/02/07 07:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Description of incident/odour; burning smell in the air Symptoms; coughing, burning throat, nausea , light headedness	45, 1

No	Date	Region	Type	Source	Description	Response
165	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	gas causing headaches and terrible sinus	45, 1
166	2022/02/07 07:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Irritation to eyes or throat, Foul smell	45, 1
167	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Got to school at 7:00, while walking to grade 10 block Sarah's nose and throat started burning. That is when she also started coughing quite a lot. 5min later lungs started burning and felt tight when breathing. She says while in class it felt as if her heart was painting. She says she never smelt anything, the burning of the nose started straight away. Symptoms: Painful breathing, headache and feeling dizzy. She went to see Dr. Baleta this afternoon at 13:30. He diagnosed her with gas inhalation, has given medication. He did pick up wheezing from her back abit.	45, 1
168	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Shortness of breath, Coughing	45, 1
169	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Shortness of breath	45, 1
170	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
171	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Morning around 7h00 this morning on 7 February I feel sick chest pain battle to breath almost if you have a flue.	45, 1
172	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Shortness of breath, Coughing	45, 1
173	2022/02/07 07:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Good Morning hope you are well here are a message that i received if a person was effected with gas leak. I couldn't breathe this morning when i went outside to take my kids to school. I had to nebulize as my chest was paining and my nose was burning. It was horrible in early morning. Hope gas leak is gone soon. sharp smell as if it took your breath away. Could smell gas. Symptoms; burning of nose and chest pain. Had to run in and nebulize. Severe headache.	45, 1
174	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	I couldn't breathe this morning when I went outside to take my kids to school. Sharp smell that took my breathe away. Burning nose and chest pain. I had to nebulize	45, 1
175	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath	45, 1
176	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
177	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Tight chest	45, 1
178	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Shortness of breath, Bitter taste in the mouth and coughing	45, 1

No	Date	Region	Type	Source	Description	Response
179	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	I was on filed duty where I had to watch the Gr 1 learners. I felt my chest and nose burning, I had a sore throat and my mouth tasted funny. I didn't know what was wrong with me until some Gr 4 learners approached me to tell me that they have the same symptoms as me. We got everyone inside their classrooms. The learners were monitored throughout the day. I had symptoms afterwards, nausea, diarrhoea, lightheaded, headache, runny nose, chest pain and the funny taste in my mouth."	45, 1
180	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Time .between 7 and 8 am We are suffering with our eyes burning . Heavy chest and not feeling well at all .it's my two children ,my wife ,my mum and myself .	45, 1
181	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Time .between 7 and 8 am We are suffering with our eyes burning . Heavy chest and not feeling well at all .it's my two children ,my wife ,my mum and myself .	45, 1
182	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Time .between 7 and 8 am We are suffering with our eyes burning . Heavy chest and not feeling well at all .it's my two children ,my wife ,my mum and myself .	45, 1
183	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Time .between 7 and 8 am We are suffering with our eyes burning . Heavy chest and not feeling well at all .it's my two children ,my wife ,my mum and myself .	45, 1
184	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	Description of incident: went to school as per normal Symptoms: Dry cough, sore throat and shortness of breath	45, 1
185	2022/02/07 07:00	Arboretum	Clinical	Unknown Source - further investigation required	1. burning nose and throat, coughing and shortness of breath.	45, 1
186	2022/02/07 07:00	Arboretum Ext	Clinical	Unknown Source - further investigation required	Feeling lightheaded, Assume light-headedness was due to gas leak	45, 1
187	2022/02/07 07:00	Birdswood	Clinical + Odour	Unknown Source - further investigation required	"the air smelled bad. I have a sore throat and nausea"	45, 1
188	2022/02/07 07:00	Birdswood	Clinical	Unknown Source - further investigation required	lightheaded, tight burning chest, head feeling heavy, coughing	45, 1
189	2022/02/07 07:00	Birdswood	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Nausea or vomiting, Stomach issues	45, 1
190	2022/02/07 07:00	CBD	Clinical + Odour	Unknown Source - further investigation required	Description of incident/ odour: The candidate was walking to work at NCT forestry when she had a very strong and unusual smell that made her feel dizzy and her eyes were paining. Symptoms: Headache, Dizziness, painful eyes	45, 1
191	2022/02/07 07:00	Foskor Area	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Coughing	45, 1
192	2022/02/07 07:00	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
193	2022/02/07 07:00	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
194	2022/02/07 07:00	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
195	2022/02/07 07:00	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
196	2022/02/07 07:00	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Nausea or vomiting	45, 1
197	2022/02/07 07:00	Wildenweide	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath, Nasal congestion, runny nose, chest wheezes (known asthmatic and sinus and also 19wks pregnant)	45, 1
198	2022/02/07 07:05	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
199	2022/02/07 07:08	Arboretum	Clinical	Unknown Source - further investigation required	I was doing my morning excise then I was short breath even now I'm not right	45, 1
200	2022/02/07 07:10	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting	45, 1
201	2022/02/07 07:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Upon this gas leak that happen today 7 Feb 2022 at about 7:10 this morning my husband Mr Jooste could not breath and said he could smell gas he was coughing and vomited just before going to work . I am very worried about him if you can just come and get clarification if the air is Ok because Arboretum Pre-primary is in this road. It will be dangerous not to assess the situation	45, 1
202	2022/02/07 07:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Gas smell. Severe coughing and chest pain	45, 1
203	2022/02/07 07:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Faint chemical smell. Coughing, tight bubbling chest and throat. Headache. "Drove from Birdwood to drop baby at Little People in Arboretum and we both start coughing once we got out the car at the school	45, 1
204	2022/02/07 07:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Faint chemical smell. Coughing, tight bubbling chest and throat. Headache. "Drove from Birdwood to drop baby at Little People in Arboretum and we both start coughing once we got out the car at the school	45, 1
205	2022/02/07 07:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Description of incident/symptoms: Inhalation of unknown gas/fumes in yard of home Symptoms; Lack of oxygen, tightness of chest, acid taste in mounth, short of breath, coughing and headache	45, 1
206	2022/02/07 07:10	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
207	2022/02/07 07:10	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Shortness of breath, Could not breath	45, 1
208	2022/02/07 07:10	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
209	2022/02/07 07:10	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
210	2022/02/07 07:13	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded	45, 1
211	2022/02/07 07:15	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath	45, 1
212	2022/02/07 07:15	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Smelt strange odour. Nasty Chemical smell. Shortness of breath, hard to breathe, burning watering eyes.	45, 1
213	2022/02/07 07:15	Arboretum	Clinical + Odour	Unknown Source - further investigation required	chemical smell. Burning nose and asthma effect	45, 1
214	2022/02/07 07:15	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting	45, 1
215	2022/02/07 07:15	Arboretum	Clinical + Odour + Visible	Unknown Source - further investigation required	I went to the second floor of our third building in our school(closest to rugby field) and saw the air between the second and third building was filled with a grey pigment which looked like smoke. The air was thick which made me cough continuously and my throat started closing which made it difficult to breath. I struggled to get oxygen and wanted to cry because my throat was burning at the same time and I felt dizzy. This happened when I took my mask off for a few minutes but as soon as I put it back on, it immediately felt like the air was filtered and thinner than before. I felt better after calming down. (5 minutes after first symptoms=coughing) Symptoms: coughing, difficulty breathing, burning throat, dizziness	45, 1
216	2022/02/07 07:15	Arboretum	Clinical	Unknown Source - further investigation required	Nausea or vomiting	45, 1
217	2022/02/07 07:15	CBD	Clinical + Odour	Unknown Source - further investigation required	Afternoon on Monday 7 February 2022 at about 0715 at my office situated at 3 Aloe Loop Richards Bay I experienced a foul egg like smell that also irritated my throat that was burning. Can you kindly investigate	45, 1
218	2022/02/07 07:15	Foskor Area	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
219	2022/02/07 07:15	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
220	2022/02/07 07:16	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains	45, 1
221	2022/02/07 07:20	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
222	2022/02/07 07:20	Arboretum	Clinical	Unknown Source - further investigation required	Dropping children off at Hoerskool Richardsbaai. I started coughing when I stopped to drop off my children and my nose started to burn and got a bit tight chested, but closed windows and drove off.	45, 1
223	2022/02/07 07:20	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Nausea or vomiting, Shortness of breath	45, 1
224	2022/02/07 07:20	Birdswood	Clinical + Odour	Unknown Source - further investigation required	gas causing nausea	45, 1

No	Date	Region	Type	Source	Description	Response
225	2022/02/07 07:20	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
226	2022/02/07 07:25	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
227	2022/02/07 07:27	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Time; 07h27 - 07h40 +-This morning while waiting for my lift to work, I smelt a strong smell of some sort of chemical. I did at the time feel a bit lightheaded but I am fine & at work. I do have a headache and a bit of a sore throat. I can still taste the chemical in my mouth and still have that smell lingering. I will keep you updated.	45, 1
228	2022/02/07 07:30	Alton	Clinical	Unknown Source - further investigation required	Nausea or vomiting, Shortness of breath, Runny nose	45, 1
229	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
230	2022/02/07 07:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Approx 07:15 -08:30. Smelt like foul smell in the air, eyes/nose burning and difficulty in breathing. Was taken to Garden clinic via ambulance services.	45, 1
231	2022/02/07 07:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Approx 07:15 -08:30. Smelt like foul smell in the air, eyes/nose burning and Slight difficulty in breathing. Removed from school, monitored at Home.	45, 1
232	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Suffered from a sore throat and headache	45, 1
233	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Shortness of breath, Coughing	45, 1
234	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
235	2022/02/07 07:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My son phoned me this morning at 07:30 complaining of a foul smell (almost like pepper spray) and struggling to breathe properly and coughing so much that he actually vomited. A lot of children in the school experienced the same symptoms, some worse than others. We need an explanation. My child was lucky and a asthma pump helped him and didn't have to go to hospital but there are other children that had it worse. I was in Birdswood at the time and I experienced the same foul smell and my eyes were burning and my throat had a scratchy feeling. I experienced dizziness as well while driving to go fetch him.	45, 1
236	2022/02/07 07:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	when my daughter arrived at the school, there was a different smell in the air, battling to breathe as well as a burning feeling in her chest and burning eyes. My child already suffers from anxiety so this incident made it a lot worse...	45, 1
237	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Coughing, sore throat, struggle to breath, headache.	45, 1
238	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
239	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	My son is sick and his asthma got really bad that he was one of the kids rushed to hospital. (8:50 time admitted in The Bay hospital for check ups) Difficulty in breathing, coughing and had to be put on the Oxygen, weak. PS: Attached is the medical examination form from the hospital.	45, 1
240	2022/02/07 07:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Foul/nasty odour. Irritation in throat and tightness in chest.	45, 1
241	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Irritated sinuses	45, 1
242	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded	45, 1
243	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Gas leak causing head aches, difficulty breathing , coughing and vertigo.	45, 1
244	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Nausea or vomiting	45, 1
245	2022/02/07 07:30	Arboretum	Clinical	Unknown Source - further investigation required	Severe headache, burning throat/nose, closed chest.	45, 1
246	2022/02/07 07:30	Birdswood	Clinical + Odour	Unknown Source - further investigation required	My son phoned me this morning at 07:30 complaining of a foul smell (almost like pepper spray) and struggling to breathe properly and coughing so much that he actually vomited. A lot of children in the school experienced the same symptoms, some worse than others. We need an explanation. My child was lucky and a asthma pump helped him and didn't have to go to hospital but there are other children that had it worse. I was in Birdswood at the time and I experienced the same foul smell and my eyes were burning and my throat had a scratchy feeling. I experienced dizziness as well while driving to go fetch him.	45, 1
247	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
248	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
249	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
250	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
251	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
252	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
253	2022/02/07 07:30	Richards Bay	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
254	2022/02/07 07:30	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Shortness of breath, Coughing because my chest was tight	45, 1
255	2022/02/07 07:30	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded	45, 1
256	2022/02/07 07:40	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
257	2022/02/07 07:45	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting, Shortness of breath	45, 1
258	2022/02/07 07:45	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Smelling a foul chemical like smell in the air. Difficult to describe the smell. severe headaches, burning throat, sinus, watering eyes, running nose and nausea.	45, 1
259	2022/02/07 07:45	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting	45, 1
260	2022/02/07 07:45	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
261	2022/02/07 07:45	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
262	2022/02/07 07:45	Arboretum	Clinical	Unknown Source - further investigation required	"My grandson Damien Schutte has symptoms of the gas leak. Headache, nausea and a painful body."	45, 1
263	2022/02/07 07:45	Meerensee	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Burning sensation on face/skin. 2 children had watery eyes and were restless	45, 1
264	2022/02/07 07:45	Meerensee	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Burning sensation on face/skin. 2 children had watery eyes and were restless	45, 1
265	2022/02/07 07:45	Meerensee	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Burning sensation on face/skin. 2 children had watery eyes and were restless	45, 1
266	2022/02/07 07:45	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded	45, 1
267	2022/02/07 07:50	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath, Ears ringing	45, 1
268	2022/02/07 07:50	Arboretum	Clinical	Unknown Source - further investigation required	Gas leak at Foskor and is basically odourless. Symptoms; Shallow breathing	45, 1
269	2022/02/07 07:50	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath, My daughter was Hospitalized due to this	45, 1
270	2022/02/07 07:57	Arboretum	Clinical	Unknown Source - further investigation required	battling to breathe, coughing, headache and nausea. Admitted to Garden Clinic and was still there at 21h04 under observation	45, 1
271	2022/02/07 08:00	Alton	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Nausea or vomiting, Shortness of breath	45, 1
272	2022/02/07 08:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Heavy chemical odour. Battling to breathe, coughing, runny nose, burning nose, itchy eyes	45, 1

No	Date	Region	Type	Source	Description	Response
273	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
274	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Shortness of breath	45, 1
275	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Shortness of breath	45, 1
276	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Strange taste	45, 1
277	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Shortness of breath	45, 1
278	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath	45, 1
279	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Nausea or vomiting	45, 1
280	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Felt very sleepy and tired	45, 1
281	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Shortness of breath, Brand in bors	45, 1
282	2022/02/07 08:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
283	2022/02/07 08:00	Arboretum Ext	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
284	2022/02/07 08:00	Birdswood	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Shortness of breath	45, 1
285	2022/02/07 08:00	CBD	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
286	2022/02/07 08:00	Foskor Area	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
287	2022/02/07 08:00	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Shortness of breath	45, 1
288	2022/02/07 08:00	Wildenweide	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Dizziness	45, 1
289	2022/02/07 08:10	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
290	2022/02/07 08:25	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Shortness of breath	45, 1
291	2022/02/07 08:25	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
292	2022/02/07 08:28	Arboretum	Clinical	Unknown Source - further investigation required	Nausea or vomiting	45, 1
293	2022/02/07 08:30	Arboretum	Clinical	Unknown Source - further investigation required	I had 3 asthma attacks after each other.	45, 1
294	2022/02/07 08:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Awful smell. Burning nose, throat, coughing, headache and nausea	45, 1
295	2022/02/07 08:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded	45, 1
296	2022/02/07 08:30	Arboretum	Clinical	Unknown Source - further investigation required	Burning nose and throat, irritating cough, headache and slight dizziness.	45, 1
297	2022/02/07 08:30	Birdswood	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
298	2022/02/07 08:30	CBD	Clinical + Odour	Unknown Source - further investigation required	Gas leak at Fokor has lead to difficulty breathing, tight chest, coughing, nose is burning, chest is burning, and therefor worsen my asthma and COPD.	45, 1
299	2022/02/07 08:30	Richards Bay	Clinical	Unknown Source - further investigation required	Yusuf bushra	45, 1
300	2022/02/07 08:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
301	2022/02/07 08:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting	45, 1
302	2022/02/07 08:30	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
303	2022/02/07 08:33	Arboretum	Clinical	Unknown Source - further investigation required	Incident : as soon as I woke up my throat was so sore and I thought that I was sick but then I started getting headaches and I knew something was wrong cauz I don't normally get this and then I saw my colleagues at work getting the same symptoms as I have , that's when I heard of the gas leak and knew that we were severely affected by it . It was so serious that my colleague was admitted to the bay hospital and is under observation cauz she could not breathe . My sister in law was also affected and she is currently pregnant . We are so disappointed by what has happened as it took a turn for the worst on our health and we are so afraid that such a incident shall occur again . I am still suffering with headaches and my sister in law is still sick This is truly unacceptable and we need answers immediately !!! Symptoms : headaches , sore throat and vomiting Response eagerly awaiting !!	45, 1
304	2022/02/07 08:33	Arboretum	Clinical	Unknown Source - further investigation required	Incident : as soon as I woke up my throat was so sore and I thought that I was sick but then I started getting headaches and I knew something was wrong cauz I don't normally get this and then I saw my colleagues at work getting the same symptoms as I have , that's when I heard of the gas leak and knew that we were severely affected by it . It was so serious that my colleague was admitted to the bay hospital and is under observation cauz she could not breathe . My sister in law was also	45, 1

No	Date	Region	Type	Source	Description	Response
					affected and she is currently pregnant . We are so disappointed by what has happened as it took a turn for the worst on our health and we are so afraid that such a incident shall occur again . I am still suffering with headaches and my sister in law is still sick This is truly unacceptable and we need answers immediately !!! Symptoms : headaches , sore throat and vomiting Response eagerly awaiting !!	
305	2022/02/07 08:33	Arboretum	Clinical	Unknown Source - further investigation required	Incident : as soon as I woke up my throat was so sore and I thought that I was sick but then I started getting headaches and I knew something was wrong cauz I don't normally get this and then I saw my colleagues at work getting the same symptoms as I have , that's when I heard of the gas leak and knew that we were severely affected by it . It was so serious that my colleague was admitted to the bay hospital and is under observation cauz she could not breathe . My sister in law was also affected and she is currently pregnant . We are so disappointed by what has happened as it took a turn for the worst on our health and we are so afraid that such a incident shall occur again . I am still suffering with headaches and my sister in law is still sick This is truly unacceptable and we need answers immediately !!! Symptoms : headaches , sore throat and vomiting Response eagerly awaiting !!	45, 1
306	2022/02/07 08:34	Richards Bay	Clinical	Unknown Source - further investigation required	Nausea, very bad strong smell in the air...	45, 1
307	2022/02/07 08:35	Arboretum	Clinical	Unknown Source - further investigation required	Burning eyes, blocked chest.	45, 1
308	2022/02/07 08:35	Arboretum	Clinical	Unknown Source - further investigation required	"Collapsed and taken by ambulance to Empangeni Garden Clinic gasping for air and suffocation"	45, 1
309	2022/02/07 08:35	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Feeling lightheaded, Shortness of breath, I was a Paramedic treating patients on the scene and found them suffering from the above	45, 1
310	2022/02/07 08:35	Arboretum	Clinical	Unknown Source - further investigation required	Chest closing up. Nausea	45, 1
311	2022/02/07 08:35	Arboretum Ext	Vegetation Damage	Unknown Source - further investigation required	Second time in four weeks, all my treefern leaves are turning brown. This nonsense must stop. I told the lady from Clean air association that is just a matter of time when this gas is going to hit a school. There it happened. Thank you IDC. MUCH APPRECIATED.	45, 1
312	2022/02/07 08:45	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Shortness of breath	45, 1
313	2022/02/07 08:46	Arboretum	Clinical	Unknown Source - further investigation required	Can Foskor provide a gas mask free of charge as they causing leaks on a ongoing basis now ?	45, 1
314	2022/02/07 08:49	Arboretum	Clinical	Unknown Source - further investigation required	Bad headache, nausea, burning itchy eyes, fatigue.	45, 1

No	Date	Region	Type	Source	Description	Response
315	2022/02/07 08:52	Arboretum	Clinical	Unknown Source - further investigation required	Almost every day in the early hours of the morning I wake up unable to breathe, and have asthma attacks regularly with the gas omissions that is released during the night	34, 45, 1
316	2022/02/07 08:57	Arboretum	Clinical	Unknown Source - further investigation required	This morning our chests are burning, and we smell heavy acid smell. For the past 2 weeks we have had headache, sore throat, itchy eyes and heavy sinusitis.	45, 1
317	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Nausea or vomiting	45, 1
318	2022/02/07 09:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Time: 9am symptoms started and ended at 7pm. Smell: Foul. Symptoms: Severe headache/ migraine, nausea and consistent vomiting all day	45, 1
319	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
320	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	starting coughing when she got to school. Dizziness, tight chest, headache, shivering, wanted to sleep, vomiting	34, 45, 1
321	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
322	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	coughing and runny nose	45, 1
323	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
324	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	My son went to the office because he couldn't breathe. He just returned to school last week Wednesday. He had corona. He was classified as critical level 4. I'm really not happy at all. We don't have medical aid. And I'm not working. I don't have the funds to buy medicine, I had to borrow a Nebulizer and borrow money from a colleague to get him a asthma pump. I also had to pay taxi fees up and down and had to leave my new job that I started for three days after being unemployed for two years. I am really not happy at all. Please get back to me ASAP with feedback.	45, 1
325	2022/02/07 09:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
326	2022/02/07 09:00	Birdswood	Clinical + Odour	Unknown Source - further investigation required	Today 7 February 2022 at 9am in Birdswood, we could smell the gas. It was like an ammonia smell, very strong. I am asthmatic and felt nauseous, heavy chest and severe headache. This is unacceptable and irresponsible on part of the company. I hope the necessary measures are taken to prevent a recurrence of this nature. Also the said company should be held liable as learners in schools were also affected.	45, 1
327	2022/02/07 09:00	Brackenham	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Nausea or vomiting	45, 1
328	2022/02/07 09:00	Meerensee	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded, Shortness of breath	45, 1
329	2022/02/07 09:00	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded	45, 1

No	Date	Region	Type	Source	Description	Response
330	2022/02/07 09:10	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Feeling lightheaded, Nausea or vomiting	45, 1
331	2022/02/07 09:23	Arboretum	Clinical	Unknown Source - further investigation required	Due to the gas leak my daughters collapsed at school. They had severe burning throats sinus and chests. As did I however it did start last night from the gas. We all experienced dizziness and nausea. This is unacceptable this is going to kill people.	45, 1
332	2022/02/07 09:23	Arboretum	Clinical	Unknown Source - further investigation required	Due to the gas leak my daughters collapsed at school. They had severe burning throats sinus and chests. As did I however it did start last night from the gas. We all experienced dizziness and nausea. This is unacceptable this is going to kill people.	45, 1
333	2022/02/07 09:26	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
334	2022/02/07 09:30	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My daughter is in Richardsbaai Hoerskool her name is Chloe du Preez Grade 10. I had to collect her from school at +- 9:30 this morning. She was complaining of headaches, dizziness and heart palpitations. She said that when they got to school she smelt a terrible smell in the air.	45, 1
335	2022/02/07 09:30	Arboretum	Clinical	Unknown Source - further investigation required	Feeling lightheaded	45, 1
336	2022/02/07 09:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
337	2022/02/07 09:32	Meerensee	Clinical + Odour	Unknown Source - further investigation required	Although not directly affected by the suspected Foskor leak this morning, 7th Feb 2022, as a resident of Meerensee, Richards Bay, I would like to lodge a complaint regarding the ongoing issues and pollution that we have to endure as a community. Do we have to wait for a serious incident that results in loss of lives or long term health effects to family and friends of our greater community, who could be affected by these sorts of incidents? We are aware that the Richards Bay Clean Air Society works tirelessly to protect our community and we are truly grateful.	45, 1
338	2022/02/07 09:35	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Nausea or vomiting	45, 1
339	2022/02/07 09:36	Veldenvlei	Clinical + Odour	Unknown Source - further investigation required	I am experiencing extreme discomfort as a result of a strange chemical substance in the air since around 8:00 am this morning. I struggle to breathe properly and have been coughing since that time. My chest is VERY tight and I have developed sinus symptoms as well. Please urgently attend to the gas leak and advise.	45, 1
340	2022/02/07 09:41	Meerensee	Clinical	Unknown Source - further investigation required	Can taste the air, very chesty, itchy and burny nose and skin. Headache	45, 1
341	2022/02/07 09:48	Arboretum	Clinical + Odour	Unknown Source - further investigation required	Gas leak. My daughter is in the high school and she was effected. This is bad please this be resolved. Her eyes are burning. Her throat is sore. And she is feeling sick	45, 1
342	2022/02/07 09:55	Arboretum Ext	Clinical	Unknown Source - further investigation required	Description of complaint: We are effected by the gas Leak. Symptoms: Hubby has trouble breathing. Nausea. Burning eyes. Diaree. I have feeling of Dizziness and Eyes and nose burning	34, 45, 1

No	Date	Region	Type	Source	Description	Response
343	2022/02/07 09:55	Arboretum Ext	Clinical	Unknown Source - further investigation required	Description of complaint: We are effected by the gas Leak. Symptoms: Hubby has trouble breathing. Nausea. Burning eyes. Diaree. I have feeling of Dizziness and Eyes and nose burning	34, 45, 1
344	2022/02/07 10:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting	45, 1
345	2022/02/07 10:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Shortness of breath	45, 1
346	2022/02/07 10:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1
347	2022/02/07 10:00	Arboretum	Clinical	Unknown Source - further investigation required	Description of incident - Jiya goes to Hoërskool. She was exposed to the SULPHUR DIOXIDE gases released by Foskop while at school. She had notified her teacher that she was feeling unwell but nothing was done. She had then messaged her mother about her symptoms. Immediately her transport lady was asked to fetch her from school. She was then having trouble breathing and was rushed to Bay Hospital by ambulance. She was Oxygen dependent in the ambulance. She is currently being treated and is undergoing further testing. Symptoms - Fever, Convulsions, Heavy breathing/Chest, Body stiffness (Hands & Legs), Coughing, Dizziness, Itchy Throat. Please Note Jiya doesn't have Medical Aid and her bill had to be paid cash.	45, 1
348	2022/02/07 10:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath, My lungs were burning	45, 1
349	2022/02/07 10:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Nausea or vomiting, Sinus	45, 1
350	2022/02/07 10:00	CBD	Clinical	Unknown Source - further investigation required	Headache, Shortness of breath	45, 1
351	2022/02/07 10:00	Veldenvlei	Clinical	Unknown Source - further investigation required	sudden scratch throat, tight chest, headache	45, 1
352	2022/02/07 10:00	Veldenvlei	Clinical	Unknown Source - further investigation required	sudden scratch throat, tight chest, headache	45, 1
353	2022/02/07 10:00	Veldenvlei	Clinical	Unknown Source - further investigation required	sudden scratch throat, tight chest, headache	45, 1
354	2022/02/07 10:00	Veldenvlei	Clinical	Unknown Source - further investigation required	sudden scratch throat, tight chest, headache	45, 1
355	2022/02/07 10:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My father myself and my husband are asthmatic we have been struggling with our chets for few weeks now with something that smells like gas this morning was the worst i was the one reporting it at 5am i had to use my inhaler more then prescribed and had to use venteze tablets which i only carry for emergencies i also have 2 kids that were coughing which was strange for them because they are healthy kids with no problems ... what is going on with our air we all are going to end up in hospital we don't even have medical aid who is going to pay for it????	45, 1

No	Date	Region	Type	Source	Description	Response
356	2022/02/07 10:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My father myself and my husband are asthmatic we have been struggling with our chets for few weeks now with something that smells like gas this morning was the worst i was the one reporting it at 5am i had to use my inhaler more then prescribed and had to use venteze tablets which i only carry for emergencies i also have 2 kids that were coughing which was strange for them because they are healthy kids with no problems ... what is going on with our air we all are going to end up in hospital we don't even have medical aid who is going to pay for it????	45, 1
357	2022/02/07 10:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My father myself and my husband are asthmatic we have been struggling with our chets for few weeks now with something that smells like gas this morning was the worst i was the one reporting it at 5am i had to use my inhaler more then prescribed and had to use venteze tablets which i only carry for emergencies i also have 2 kids that were coughing which was strange for them because they are healthy kids with no problems ... what is going on with our air we all are going to end up in hospital we don't even have medical aid who is going to pay for it????	45, 1
358	2022/02/07 10:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My father myself and my husband are asthmatic we have been struggling with our chets for few weeks now with something that smells like gas this morning was the worst i was the one reporting it at 5am i had to use my inhaler more then prescribed and had to use venteze tablets which i only carry for emergencies i also have 2 kids that were coughing which was strange for them because they are healthy kids with no problems ... what is going on with our air we all are going to end up in hospital we don't even have medical aid who is going to pay for it????	45, 1
359	2022/02/07 10:10	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My father myself and my husband are asthmatic we have been struggling with our chets for few weeks now with something that smells like gas this morning was the worst i was the one reporting it at 5am i had to use my inhaler more then prescribed and had to use venteze tablets which i only carry for emergencies i also have 2 kids that were coughing which was strange for them because they are healthy kids with no problems ... what is going on with our air we all are going to end up in hospital we don't even have medical aid who is going to pay for it????	45, 1
360	2022/02/07 10:15	Richards Bay	Clinical	Unknown Source - further investigation required	Nausea or vomiting, Coughing	45, 1
361	2022/02/07 10:18	Arboretum	Clinical	Unknown Source - further investigation required	Hi we stay at 9 witstinkhoud my name is Pierre Jordaan my wife and i were affected with this gas leak, our eyes its and its tender, our heads hurt, we are dizzy and it was burning when we breath this morning we are still feeling bad at this time	45, 1
362	2022/02/07 10:18	Arboretum	Clinical	Unknown Source - further investigation required	Hi we stay at 9 witstinkhoud my name is Pierre Jordaan my wife and i were affected with this gas leak, our eyes its and its tender, our heads hurt, we are dizzy and it was burning when we breath this morning we are still feeling bad at this time	45, 1
363	2022/02/07 10:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Shortness of breath	45, 1
364	2022/02/07 10:30	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Feeling lightheaded, Nausea or vomiting, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
365	2022/02/07 10:44	Richards Bay	Clinical	Unknown Source - further investigation required	Child currently at Emergency Unit. This is unacceptable and needs to stop.	45, 1
366	2022/02/07 10:45	Arboretum Ext	Clinical	Unknown Source - further investigation required	unexplained headache	34, 45, 1
367	2022/02/07 10:46	Arboretum	Clinical + Odour	Unknown Source - further investigation required	I have a complaint my 15 year of daughter was a affected by this gas difficulty in breathing and chest pain she was one of the students from richards Bay Hoer skool that was transported by ambulance to a clinic. She is complaining of sore chest and pressure on the head. FOSCOR NEEDS TO BE HELD ACCOUNTABLE	34, 45, 1
368	2022/02/07 10:49	Veldenvlei	Clinical	Unknown Source - further investigation required	"My boy (Dante) was affected by the gas leak this morning while at school. He attends Veldenvlei Primary. I was asked to fetch my child at 10h49. He nhad nausea, stomach ache, headache and a tight chest. He has chronic asthma. In his class there were +- 5 kids plus a register teacher that were affected."	45, 1
369	2022/02/07 11:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Chest pains, Shortness of breath	45, 1
370	2022/02/07 11:00	Meerensee	Clinical	Unknown Source - further investigation required	Irritation to eyes or throat	45, 1
371	2022/02/07 11:30	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded, Nausea or vomiting	45, 1
372	2022/02/07 11:36	Richards Bay	Odour	Unknown Source - further investigation required	Gas leak	45, 1
373	2022/02/07 11:40	Arboretum Ext	Clinical	Unknown Source - further investigation required	Past three days (5, 6 & 7 Feb), *Time:* most of the day *Description of incident/odour:* Foskor leak? *Symptoms:* headache, itchy and irritated skin, burning and itchy eyes, stay thirsty (dry and irritated throat), irritated cough	45, 1
374	2022/02/07 12:00	Arboretum	Clinical	Unknown Source - further investigation required	Chest pains	45, 1
375	2022/02/07 12:00	CBD	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Coughing	45, 1
376	2022/02/07 12:00	Meerensee	Clinical	Unknown Source - further investigation required	Around midday, burning nose, nausea, coughing and scratchy throats.	34, 45, 1
377	2022/02/07 12:00	Meerensee	Clinical	Unknown Source - further investigation required	Around midday, burning nose, nausea, coughing and scratchy throats.	34, 45, 1
378	2022/02/07 12:00	Richards Bay	Clinical	Unknown Source - further investigation required	Headache, Chest pains, Shortness of breath	45, 1
379	2022/02/07 12:15	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath	45, 1

No	Date	Region	Type	Source	Description	Response
380	2022/02/07 12:48	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat	45, 1
381	2022/02/07 12:55	Arboretum	Clinical	Unknown Source - further investigation required	Heavy breathing	45, 1
382	2022/02/07 12:55	Meerensee	Clinical	Unknown Source - further investigation required	Son (4yrs) and daughter (6yrs) complaining about headache & nausea from this morning. Also – daughter (2yrs) was nauseous on Friday afternoon in the CBD without warning, and wife Elindi was nauseous and had joint pain and felt ill yesterday and today.	34, 45, 1
383	2022/02/07 12:55	Meerensee	Clinical	Unknown Source - further investigation required	Son (4yrs) and daughter (6yrs) complaining about headache & nausea from this morning. Also – daughter (2yrs) was nauseous on Friday afternoon in the CBD without warning, and wife Elindi was nauseous and had joint pain and felt ill yesterday and today.	34, 45, 1
384	2022/02/07 12:55	Meerensee	Clinical	Unknown Source - further investigation required	Son (4yrs) and daughter (6yrs) complaining about headache & nausea from this morning. Also – daughter (2yrs) was nauseous on Friday afternoon in the CBD without warning, and wife Elindi was nauseous and had joint pain and felt ill yesterday and today.	34, 45, 1
385	2022/02/07 12:55	Meerensee	Clinical	Unknown Source - further investigation required	Son (4yrs) and daughter (6yrs) complaining about headache & nausea from this morning. Also – daughter (2yrs) was nauseous on Friday afternoon in the CBD without warning, and wife Elindi was nauseous and had joint pain and felt ill yesterday and today.	34, 45, 1
386	2022/02/07 13:00	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Feeling lightheaded	45, 1
387	2022/02/07 13:30	Veldenvlei	Clinical	Unknown Source - further investigation required	Headache, Feeling lightheaded	45, 1
388	2022/02/07 13:34	Alton	Clinical + Odour	Unknown Source - further investigation required	Gas smell, dizziness, nausea, headache and coughing	45, 1
389	2022/02/07 13:34	CBD	Clinical + Odour	Unknown Source - further investigation required	Can you please advise if the below symptoms are from the gas leak from Foskor. Gas smell. Dizziness. Nausea. Headache. Burning sensation in nose	45, 1
390	2022/02/07 17:00	Arboretum	Clinical	Unknown Source - further investigation required	Headache, Irritation to eyes or throat, Shortness of breath, Sinus infection. Terrible smell during Monday night.	45, 1
391	2022/02/07 17:00	Arboretum	Clinical	Unknown Source - further investigation required	Nausea or vomiting	45, 1
392	2022/02/07 17:45	Richards Bay	Clinical	Unknown Source - further investigation required	I have been badly affected my eyes are burning and red ,my lips are extremely dry and burning I struggle to breath and have a sore throat. I have taken numerous allergy tablets to no avail.	45, 1
393	2022/02/07 20:05	Veldenvlei	Clinical	Unknown Source - further investigation required	"We have been battling to breathe, have itchy eyes and sore throats. This morning the school phoned and we had to fetch Candice (7yrs). Took her to Dr says was caused by gas leak. I started using asthma pump on Saturday."	45, 1

No	Date	Region	Type	Source	Description	Response
394	2022/02/07 20:05	Veldenvlei	Clinical	Unknown Source - further investigation required	"We have been battling to breathe, have itchy eyes and sore throats. This morning the school phoned and we had to fetch Candice (7yrs). Took her to Dr says was caused by gas leak. I started using asthma pump on Saturday."	45, 1
395	2022/02/07 20:05	Veldenvlei	Clinical	Unknown Source - further investigation required	"We have been battling to breathe, have itchy eyes and sore throats. This morning the school phoned and we had to fetch Candice (7yrs). Took her to Dr says was caused by gas leak. I started using asthma pump on Saturday."	45, 1
396	2022/02/07 21:17	Arboretum	Clinical + Odour	Unknown Source - further investigation required	I would like to lay a complaint regarding the gas leak. We live in Arboretum and since the morning our throat is sore sneezing and bit of tight chest also nose is burning. This is a very serious matter and I would like to know what is going to be done about this also what about our animals .are they safe from this ! It is 21h17 PM and still our throat has a burn and nose also. I HOPE SOMETHING IS GOING TO BE DONE BEFORE WE ALL GET REALLY ILL.	45, 1
397	2022/02/07 23:18	Birdswood	Clinical	Unknown Source - further investigation required	"Could not stop throwing up, felt dizzy and almost passed out. Slept 8th all day."	34, 45, 1
398	2022/02/07 23:50	Arboretum	Clinical + Odour	Unknown Source - further investigation required	It is now 23:50 and we can smell gas in the air again. We live in Jakaranda street, Arboretum. The smell is affecting my Asthma.	45, 1
399	2022/02/08 09:00	Arboretum Ext	Clinical	Unknown Source - further investigation required	Burning eyes and throat, dizzy, nauseas and bad asthma	32, 49, 1
400	2022/02/12 08:08	Foskor Area	Odour	Unknown Source - further investigation required	Complainant reported that there was a gas leak at Foskor which resulted in persons having to evacuate to the gas room. The RBCAA immediately informed Foskor of the complaint.	50, 52, 1
401	2022/02/12 11:20	Grindrod Terminals (Kusasa)	Odour	Unknown Source - further investigation required	"bad smell of gas at Kusasa from workshop to the gate."	50, 52, 1
402	2022/02/12 12:30	Foskor Area	Clinical + Odour	Unknown Source - further investigation required	Gas and odour from Foskor causing coughing and burning nose.	50, 52, 1
403	2022/02/17 20:40	Arboretum	Odour	Mondi	"Extremely strong Mondi odour"	7
404	2022/02/24 06:45	Richards Bay	Visible	Foskor	There is a visible stack/brown emissions at Sulphuric C plant.	31
405	2022/02/25 07:36	Foskor Area	Visible	Unknown Source - further investigation required	Abnormal emissions from the Foskor C Plant stack and coming down to ground further away from the plant. The emissions were at first very dark (See photograph) and then became a very dense white (see attached video)	37, 1
406	2022/02/25 16:30	Foskor Area	Clinical + Odour + Visible	Unknown Source - further investigation required	Abnormal C Plant stack emissions crossing the John Ross and coming down to ground in the vicinity of the Hillside intersection and Ed Village. I experienced a pungent odour causing instant headache and throat irritation. The density and behaviour of the plume indicated the presence of SO3.	51, 1
	March 2022					

No	Date	Region	Type	Source	Description	Response
1	2022/03/03 12:50	Foskor Area	Visible	Foskor	excessive emissions emanating from the Foskor C Plant stack, and a low level haze around the plant.	1
2	2022/03/06 09:00	Foskor Area	Visible	Foskor	C stack looks bad.	40
3	2022/03/08 18:13	Foskor Area	Visible	Foskor	Low level "smoke" in the vicinity of the Foskor plant.	38
4	2022/03/09 09:40	Foskor Area	Visible	Foskor	"gas" haze in the vicinity of Foskor.	39
5	2022/03/14 06:30	Veldenvlei	Odour	Resolved - based on WD not attributable to an industrial source	Odour "similar to the odour that makes your eyes and nose burn but not as strong"	41
6	2022/03/17 08:14	Arboretum	Clinical + Odour	Mondi	"strong gas smell causing headache and lethargy"	42
7	2022/03/17 09:00	Arboretum	Clinical + Odour	Mondi	1. Pungent rotten egg smell causing nausea.	42
8	2022/03/17 09:05	Alton	Odour	Mondi	"Employees are complaining of a foul smell in the air"	41, 42.
9	2022/03/17 09:07	Arboretum	Clinical + Odour	Mondi	1. Pungent Mondi guava odour causing nausea and headache.	41, 42.
10	2022/03/17 09:13	CBD	Clinical + Odour	Mondi	"there is a terrible smell in the air causing headache"	42
11	2022/03/17 09:15	CBD	Clinical + Odour	Mondi	"Strong gas smell causing tight chest and dizziness"	42
12	2022/03/17 09:18	Arboretum	Odour	Mondi	Really bad smell.	42
13	2022/03/17 09:19	CBD	Odour	Mondi	Strong smell rotten egg smell.	42
14	2022/03/17 09:22	CBD	Odour	Mondi	Strong smell.	42
15	2022/03/17 09:24	Arboretum	Clinical + Odour	Mondi	"We have a putrid "cat pee" smell coming into our building. This is causing havoc and making us feel nauseas."	42
16	2022/03/17 09:25	CBD	Clinical + Odour	Mondi	"Employees experiencing an uncomfortable smell, which is irritating my throat."	42
17	2022/03/17 09:30	Arboretum	Clinical + Odour	Mondi	"Rotten Cabbage" smell causing headache and tight chest.	42
18	2022/03/17 09:30	Arboretum	Odour	Mondi	Bad odour	42
19	2022/03/17 09:35	Arboretum	Clinical + Odour	Mondi	Guava odour. Wife has emphysema and is struggling to breathe.	42

No	Date	Region	Type	Source	Description	Response
20	2022/03/17 09:44	Arboretum	Clinical + Odour	Mondi	"Unbearable stench in the air. I can hardly breathe"	42
21	2022/03/17 09:45	Richards Bay	Clinical + Odour	Mondi	"Bad odour in our office making our eyes water."	42
22	2022/03/17 09:55	Richards Bay	Clinical + Odour	Mondi	Bad smell. Complainant stated that they were traumatised by an experience about a month ago when they were exposed to a gas and had to be hospitalised. They are now experiencing, swollen lips, itchy eyes, headache and dry throat.	42
23	2022/03/18 07:20	Foskor Area	Visible	Foskor	Excessive emissions emanating from Foskor.	43
24	2022/03/18 07:20	Foskor Area	Visible	Foskor	Excessive emissions emanating from Foskor.	43
25	2022/03/18 07:20	Foskor Area	Visible	Foskor	Excessive emissions emanating from Foskor.	43
26	2022/03/20 12:00	Foskor Area	Visible	Foskor	Brown emissions from A&B Final Stack and from C Final Stack.	43
April 2022						
1	2022/04/03 08:13	Richards Bay	Visible	Foskor	Bad Stack observed at Sulphuric Acid C Plant	44
2	2022/04/05 12:20	JR Highway	Visible	Grindrod	Excessive black dust was observed from the John Ross High Way, immediately north of the northern stockpile	55
3	2022/04/10 21:15	Meerensee	Odour	Mondi	Gas\Cat Urine Odour	56
4	2022/04/11 06:00	CBD	Clinical + Odour	Mondi	Bad odour causing headache and nausea.	57
5	2022/04/11 06:25	Veldenvlei	Odour	Mondi	Mondi "Guava" odour	57
6	2022/04/14 07:30	Alton	Clinical + Odour	Mondi	Odour described as a "rubbish" site odour. 1 employee complained of headache.	58
7	2022/04/14 13:44	Foskor Area	Visible	Foskor	Excessive emissions from A, B & C stacks creating a visible plume extending across to the CBD. (See attached photo)	53
8	2022/04/17 08:58	Arboretum Ext	Odour	Mondi	Terrible Mondi smell. Had to close doors and windows.	59
9	2022/04/17 09:00	Arboretum	Odour	Mondi	Terrible "rotten egg" smell	59
10	2022/04/18 11:30	Veldenvlei	Odour	Mondi	Odour forcing closure of windows.	60
11	2022/04/19 05:00	Arboretum Ext	Clinical + Odour	Foskor	Haze from Foskor hanging over Arboretum Ext. Could smell the sulphur. Wife complained of burning eyes while she was running.	54, 63

No	Date	Region	Type	Source	Description	Response
12	2022/04/24 08:44	Arboretum Ext	Clinical + Odour	Foskor	Emissions from Foskor causing a haze over Arboretum Extension accompanied by a strong sulphur smell. (See attached photograph)	63
13	2022/04/27 18:35	Richards Bay	Visible	Foskor	Excessive emissions from Foskor	63
14	2022/04/30 05:41	Richards Bay	Odour	Mondi	“strong cat urine smell”	61
15	2022/04/30 05:44	Brackenham	Clinical + Odour	Mondi	Mondi odour. Complainant stated that the odour had woken him up and that he couldn't breathe.	61
16	2022/04/30 14:19	JR Highway	Odour + Visible	Foskor	Odour and mist cloud across the John Ross emanating from Foskor. (See attached photographs.)	63
May 2022						
1	2022/05/09 03:00	Veldenvlei	Odour	Mondi	Cat urine/ cabbage odour	64
2	2022/05/09 05:15	Veldenvlei	Odour	Mondi	Experience Mondi odour	64
3	2022/05/10 00:00	Foskor Area	Visible	Foskor	Excessive/ abnormal emissions from Foskor.	63
4	2022/05/10 08:24	Foskor Area	Visible	Foskor	Excessive/ abnormal emissions from Foskor blowing towards the CBD.	63
5	2022/05/14 14:19	Felixton	Visible	THS	"White choking smog all over the bottom of the village" from Tongaat Hullet facility. (photo attached)	62
6	2022/05/15 15:00	Foskor Area	Visible	Foskor	Excessive emissions from Foskor.	63
7	2022/05/16 09:03	CBD	Visible	Foskor	Excessive emissions from Foskor. (Photo attached)	63
8	2022/05/20 21:16	Arboretum	Clinical + Odour	Mondi	“Rotten egg” smell causing tight chest.	66
9	2022/05/20 21:18	Arboretum	Clinical + Odour	Mondi	“cat urine\guava” odour causing burning nose, throat and eyes.	66
10	2022/05/21 17:14	Veldenvlei	Odour	Mondi	Mondi guava odour.	65
11	2022/05/21 17:30	Arboretum	Clinical + Odour	Mondi	Mondi odour causing tight chest.	65
12	2022/05/29 07:42	Felixton	Odour	Unknown Source - further investigation required	“effluent” odour.	67, 68
13	2022/05/31 08:40	Meerensee	Odour	Unknown Source - further investigation required	“Strong cabbage smell”	70, 1
June 2022						

No	Date	Region	Type	Source	Description	Response
1	2022/06/01 08:00	Veldenvlei	Fallout	South32	Alumina fallout observed on vehicle. Vehicle has been stationary for a few days so I cannot confirm date and time of deposition.	69
2	2022/06/01 08:35	Veldenvlei	Fallout	South32	Alumina fallout on vehicle. Complainant thinks it started yesterday.	69
3	2022/06/23 07:15	Foskor Area	Visible	Foskor	Abnormal \ Excessive emissions from Foskor C-Plant Stack	71
4	2022/06/24 16:50	Foskor Area	Visible	Foskor	Abnormal \ Excessive emissions from Foskor Stack	71
5	2022/06/25 08:29	Foskor Area	Visible	Foskor	Abnormal \ Excessive emissions from Foskor C-Plant Stack	71
6	2022/06/27 09:45	Foskor Area	Visible	Foskor	Abnormal \ Excessive emissions from Foskor C-Plant Stack	71
7	2022/06/28 09:50	Foskor Area	Visible	Foskor	Abnormal \ Excessive emissions from Foskor C-Plant Stack	71
8	2022/06/28 13:23	CBD	Visible	Foskor	Abnormal emissions emanating from Foskor C-Plant Stack	71
9	2022/06/28 18:26	Foskor Area	Visible	Foskor	Abnormal \ Excessive emissions from Foskor Stack	71
0	July 2022					
1	2022/07/11 06:15	Arboretum Ext	Odour	Unknown Source - further investigation required	Very strong sulphuric acid odour from Foskor that I could smell going out the house and while travelling on the road from CBD towards Arboretum.	1
2	2022/07/15 10:45	Felixton	Odour	THS	"Very unpleasant sewage odour" (NB: reported at 11h41, odour started at around 10h45. A TRS exceedance of the OME 10min-9.3 ppb, was recorded at 11:50 at Felixton station at the time of the complaint) THS - Effluent treatment Plant (see response 175 to TRS)	2
3	2022/07/20 00:00	Veldenvlei	Clinical + Odour	Mondi	Strong cabbage odour causing nausea and sinus headache (all morning)	72
4	2022/07/20 07:20	Alton	Odour	Mondi	Sulphur/rotten egg/guava smell	72
5	2022/07/20 08:00	Alton	Clinical + Odour	Mondi	Bad odour causing nausea, headache and eye irritation. A number of employees were affected.	72
6	2022/07/20 08:00	Veldenvlei	Clinical + Odour	Mondi	Bad odour causing headache	72
7	2022/07/20 08:10	Alton	Odour	Mondi	Unbearable smell in Alton. Workshop staff complaining.	72
8	2022/07/20 08:25	Alton	Clinical + Odour	Mondi	Foul smelling gas odour causing burning chest	72

No	Date	Region	Type	Source	Description	Response
9	2022/07/20 08:30	Alton	Clinical + Odour	Mondi	Odour causing headache, itchy throat, eye irritation and breathing problem	72
10	2022/07/20 08:30	Alton	Clinical + Odour	Mondi	Onion smell causing headache, itch throat, eye irritation and breathing problem	72
11	2022/07/20 08:30	Alton	Clinical + Odour	Mondi	Fowl smelling gas causing chest and nasal irritation	72
12	2022/07/20 08:30	Alton	Clinical + Odour	Mondi	Rotten odour causing nausea and headache	72
13	2022/07/20 08:30	Wildenweide	Clinical + Odour	Mondi	Very bad gas\chemical smell causing burning eyes and nose, nausea, salty taste in your mouth.	72
14	2022/07/20 08:35	Alton	Clinical + Odour	Mondi	Rotten, burning plastic smell causing nausea.	72
15	2022/07/20 08:35	Alton	Clinical + Odour	Mondi	Bad odour causing nausea	72
16	2022/07/20 08:40	Veldenvlei	Odour	Mondi	Very bad odour	72
17	2022/07/20 08:40	Veldenvlei	Clinical + Odour	Mondi	Strong gassy smell causing headache, irritated eyes and severe nausea	72
18	2022/07/20 08:45	Arboretum	Clinical + Odour	Mondi	“Urine” smell causing burning eyes, nose and throat.	72
19	2022/07/20 08:45	CBD	Clinical + Odour	Mondi	String terrible smell causing Headache, drowsiness, burning throat and cough.	72
20	2022/07/20 08:45	Veldenvlei	Clinical + Odour	Mondi	Bad burning gaseous smell causing burning throat and difficulty breathing	72
21	2022/07/20 08:45	Veldenvlei	Clinical + Odour	Mondi	Pungent Mondri odour causing nausea and headache.	72
22	2022/07/20 08:45	Veldenvlei	Clinical + Odour	Mondi	Very bad smell making us all nauseous and breathing difficult. Being asthmatic making it even more difficult to breath	72
23	2022/07/20 08:50	Veldenvlei	Odour	Mondi	Pungent acidic\sulphuric smell.	72
24	2022/07/20 08:54	Arboretum	Clinical + Odour	Mondi	Horrible odour causing nausea	72
25	2022/07/20 08:55	Veldenvlei	Clinical + Odour	Mondi	Terrible smell. Burning throat, smell like strong chlorine, eyes bit burning.	72
26	2022/07/20 09:00	Alton	Odour	Mondi	Pungent odour	72
27	2022/07/20 09:00	Alton	Clinical + Odour	Mondi	Extremely foul smell. Can't breathe	72

No	Date	Region	Type	Source	Description	Response
28	2022/07/20 09:00	Arboretum	Clinical + Odour	Mondi	"As I alighted off the vehicle I was caught of guard by a terrible smell which almost led me to vomit. I realize that the smell is the same smell I normal feel on John Ross highway between Melomed Hospital and Richards Bay. The affected me so badly as im still weak from covid affection and im currently feeling a heavy chest and sour throat. I'm struggling to breathe freely when im inside the vehicle or premises after I had inhaled the bad smell this morning."	72
29	2022/07/20 09:00	Arboretum	Clinical	Mondi	I am having problems to breathe properly outside my house.	72
30	2022/07/20 09:00	Arboretum	Odour	Mondi	Unusual smell	72
31	2022/07/20 09:00	Birdswood	Odour	Mondi	Sour decaying smell.	72
32	2022/07/20 09:00	Veldenvlei	Clinical + Odour	Mondi	Children in class are coughing and one vomited from the smell. Throat stings	72
33	2022/07/20 09:00	Veldenvlei	Clinical + Odour	Mondi	Pungent gas smell causing headache and sneezing	72
34	2022/07/20 09:00	Veldenvlei	Odour	Mondi	Rotten smell, very foul. Very strong and overpowering.	72
35	2022/07/20 09:02	Wildenweide	Clinical + Odour	Mondi	Very strong smell causing sneezing & Coughing	72
36	2022/07/20 09:05	Alton	Clinical + Odour	Mondi	Sour smell causing headache and burning inside	72
37	2022/07/20 09:05	Veldenvlei	Clinical + Odour	Mondi	Rotten gassy smell causing severe headache, sinus and burning eyes.	72
38	2022/07/20 09:07	Arboretum Ext	Clinical + Odour	Mondi	Really Bad Smell causing dizziness, nausea and burning nose.	72
39	2022/07/20 09:07	Veldenvlei	Clinical + Odour	Mondi	Rotten egg smell causing tight chest. Struggling to breathe	72
40	2022/07/20 09:09	Arboretum	Clinical + Odour	Mondi	Foul smelling odour, smells like amónia or excessive amounts of cat urine Symptoms: shortness of breath, tightness in chest, mild headache, blocked sinuses.	72
41	2022/07/20 09:10	Arboretum Ext	Clinical + Odour	Mondi	Rotten egg smell causing headache, nausea, dizziness, sore throat.	72
42	2022/07/20 09:10	Birdswood	Clinical + Odour	Mondi	Overwhelming salty/gassy smell causing dizziness and headache.	72
43	2022/07/20 09:10	Birdswood	Clinical + Odour	Mondi	Rotten\chlorine smell causing burning throat and severe sneezing	72

No	Date	Region	Type	Source	Description	Response
44	2022/07/20 09:10	Veldenvlei	Clinical + Odour	Mondi	Very bad odour causing headache and metal taste	72
45	2022/07/20 09:10	Veldenvlei	Clinical + Odour	Mondi	The smell from Mondi is very pungent and disturbing. I have a horrible taste in my mouth.	72
46	2022/07/20 09:12	Birdswood	Clinical + Odour	Mondi	Potent nauseating Mondi odour causing nausea and headache	72
47	2022/07/20 09:13	Alton	Clinical + Odour	Mondi	Very foul rotten odour causing headache	72
48	2022/07/20 09:20	Birdswood	Odour	Mondi	Sharp pungent suffocating odour. Had to close all doors.	72
49	2022/07/20 09:21	Arboretum	Clinical + Odour	Mondi	Started earlier in the morning. Very bad acid type smell causing bad sinus and sneezing.	72
50	2022/07/20 09:22	Birdswood	Odour	Mondi	Horrendous chemical smell	72
51	2022/07/20 09:22	Birdswood	Clinical + Odour	Mondi	Rotten egg smell causing headache	72
52	2022/07/20 09:22	CBD	Clinical + Odour	Mondi	Rotten onion gas smell causing headache, burning nose and sore throat.	72
53	2022/07/20 09:30	CBD	Clinical + Odour	Mondi	“Cabbage” odour causing irritation of nose.	72
54	2022/07/20 09:32	Richards Bay	Clinical + Odour	Mondi	Since this odour is hanging in the air I have severe sinus and a headache that since started with the smell.	72
55	2022/07/20 09:33	Richards Bay	Clinical + Odour	Mondi	Bad odour causing severe sinus and headache	72
56	2022/07/20 09:45	Arboretum	Clinical + Odour	Mondi	Bad smell causing headache and allergic rhinitis	72
57	2022/07/20 09:53	Alton	Clinical + Odour	Mondi	Rotten egg\cabbage odour causing scratchy throat, sneezing, congestion and headache	72
58	2022/07/20 10:00	Arboretum	Odour	Mondi	Bad odour	72
59	2022/07/20 10:00	Arboretum	Clinical + Odour	Mondi	Odour causing burning nose	72
60	2022/07/20 10:06	Alton	Clinical + Odour	Mondi	Strong gas smell causing itchy throat, Phlegmy cough, light headed and dizzy and tight chest	72
61	2022/07/20 10:07	Alton	Clinical + Odour	Mondi	Rotten cabbage\acid smell causing nasal congestion, difficulty breathing, uncomfortable feeling in throat, difficult to swallow and headache	72
62	2022/07/20 11:12	Veldenvlei	Clinical + Odour	Mondi	Rotten odour causing difficulty breathing and coughing	72

No	Date	Region	Type	Source	Description	Response
63	2022/07/20 11:33	Arboretum	Clinical + Odour	Mondi	Rotten smell causing burning throat	72
	August 2022					
1	2022/08/15 17:30	Meerensee	Odour	Mondi	"Cat urine" odour	74
2	2022/08/16 00:00	Meerensee	Odour	Mondi	"Cat urine" odour very strong at 24h00, causing tight chest, blocked nose and fatigue.	74
3	2022/08/16 07:45	Veldenvlei	Fallout	South32	Alumina fallout on vehicle. (See photo below)	73
4	2022/08/16 08:00	Veldenvlei	Fallout	South32	Alumina fallout on vehicle (NB: photo available)	73
5	2022/08/26 08:52	Alton	Visible	Grindrod	"dust originating from Grindrod facility"	75
	September 2022					
1	2022/09/03 00:00	Veldenvlei	Fallout	South32	Alumina fallout on vehicle, Likely deposited over the past 2 days.	82
2	2022/09/03 00:00	Arboretum	Coal dust	TPT	Black dust on everything. Toddler's feet are pitch black.	78, 83
3	2022/09/03 00:00	Arboretum	Coal dust	TPT	Coal dust which is a daily occurrence.	78, 83
4	2022/09/04 00:00	Veldenvlei	Fallout	South32	Alumina fallout on vehicle windscreen. Vehicle has been stationary for a week.	82
5	2022/09/04 00:00	Veldenvlei	Coal dust	TPT	Black dust - What appears to be coal dust is everywhere, on vehicles, outdoor furniture, swimming pool, water feature etc. I lifted the black deposits out of my water feature with a magnet. The magnetic properties are deeply concerning. We are breathing this into our lungs. I have constant sinus and eye irritation.	80, 83
6	2022/09/05 00:00	Alton	Coal dust	TPT	Contamination: For the past year premises has been continually covered in black dust. Extremely concerned about health impacts. (NB: Pictures can be found on Sandy Camminga email of 2022/09/08 08:33:00)	83
7	2022/09/05 00:00	Richards Bay	Coal dust	TPT	Dust from stockpiles and roads which are covered in product.	79, 83
8	2022/09/05 10:30	Veldenvlei	Coal dust	TPT	All over the house, on washing clothes, my plans are covered with black dust.	83
9	2022/09/05 10:31	Meerensee	Coal dust	TPT	Sinus chest problems, toxic.	83

No	Date	Region	Type	Source	Description	Response
10	2022/09/05 10:33	Arboretum	Coal dust	TPT	I'm not affected, the coal dust is not affecting us here. https://drive.google.com/open?id=1skm6IWdDdyo_aZxBEBtV8357QJiQQly	83
11	2022/09/05 10:33	Birdswood	Coal dust	TPT	Coal dust is visible in the air! Coal dust is visible in our Air filters that comes off heavy duty machines and air conditioners. Suffer from sinus and if you blow your nose at work, you can see black dust. Dust is collected on roofs and is so fine it enters buildings and homes as well. We have to clean our work stations at least 4 times a day. We try and keep our homes and office windows and doors closed, but the dust still settles.	83
12	2022/09/05 10:35	Arboretum	Coal dust	TPT	Everything you touch, when washing floors it is pitch black dust. Bad Sinus	83
13	2022/09/05 10:36	Arboretum	Coal dust	TPT	If the wind blows especially from the South you can't leave a door or window open. Even your clothes on the washing line gets the black dust on it. Health effects, the past two years and only gets better when im not in Richards Bay for a couple of days.	83
14	2022/09/05 10:36	Arboretum	Coal dust	TPT	Always black dust on everything. Even worse when the wind is blowing. Terrible sinus and phlem. Sinus that is getting worse by the day.	83
15	2022/09/05 10:36	Arboretum	Coal dust	TPT	Dust in my balcony and sitting room. Chest and breathing problems.	83
16	2022/09/05 10:37	Birdswood	Coal dust	TPT	Everything is covered in black, trees, house and since moving here my sinuses are worse. Sinuses and sore throat.	83
17	2022/09/05 10:37	Arboretum	Coal dust	TPT	My house is constantly full of this dust and i feel my son is at risk. My son is constantly battling with his chest	83
18	2022/09/05 10:38	Arboretum Ext	Coal dust	TPT	Coal dust in house even swimming pool. Asthmatic	83
19	2022/09/05 10:40	Arboretum	Coal dust	TPT	Coal dust covering everything, lawn, plants, roof, floor surfaces, vehicles etc. Chronic bronchitis	83
20	2022/09/05 10:40	Arboretum	Coal dust	TPT	The dust covers my vehicles and enters the systems causing faures . I had to replace a starter motor on my motorcycle prematurely. My wife experience coughs and nasal blockages.	83
21	2022/09/05 10:40	Arboretum	Coal dust	TPT	I have to sweep my house daily as everything is covered in fine black dust. It has discoloured some of my possessions and clothes. My fiancé and I both have severe sinus problems and fall ill easily due to the polluted air. I often struggle to breathe because of the quality of the air. We are actually considering moving because of how its affecting our health and we don't want to our children to be exposed in the future. Sinus infections frequently, struggle to breathe	83
22	2022/09/05 10:40	Arboretum	Coal dust	TPT	Black dust is all over. You can sweep the floors today, tomorrow the same thing. No use hanging washing on the washing line. Black dust in wet clothing. Struggling with sinuses. Have to buy medication every month	83
23	2022/09/05 10:40	Arboretum	Coal dust	TPT	Black coal dust inside and outside. There's black on my counter, on my clothes, my child looks like she's walked on charcoal. I mop and sweep 3 times a day and still	83

No	Date	Region	Type	Source	Description	Response
					the same. I blow my nose it's black, this is what we breathing in. I wash my car and the same day it's filled with coal dust. Constant sinusitis. https://drive.google.com/open?id=1acdQpaalmol7zqR4Zc48MSpNaR_wHLb1	
24	2022/09/05 10:40	Arboretum	Coal dust	TPT	whole House with Black dust. Had to sweep 4 times, wash floors and dust everywhere in the house. Even curtains need to be wash. Both my grand children age 3 yrs and 5 month got up with blocked noses. Myself and my husband with my daughter als suffer from blocked nose and hi-fever. When you walk barefeet your feed are black from the dust. Health effects: Yes myself my husband my daughter and the two grandchildren	83
25	2022/09/05 10:40	Arboretum	Coal dust	TPT	Black dust all over our property. Most noticeable is in our swimming pool	83
26	2022/09/05 10:41	Arboretum	Coal dust	TPT	Constant black layer in and outside the house, worse on a windy day, clean now turn your back and the scurge is back. My wife has developed acute Asthma after years of this abuse. Our animals have started with respiratory issues as well. Our animals are continually scratching the black is visible on their skin. The washing on the line is also not good with black haze on it.	83
27	2022/09/05 10:41	Arboretum	Coal dust	TPT	House is always full of dust. Outside always black from dust	83
28	2022/09/05 10:43	Arboretum	Coal dust	TPT	I live on the last street that basically is the last line of houses which is the first properties affected by the wind borne coal dust and pollution by Fokor. My plants in my garden has black dust on them constantly making the leaves black stained now. My pool is constantly dirty with the black dust. Inside my house is always dusty. We have to constantly be cleaning. You can't walk barefooted. Your feet will be black like the house was not cleaned. My cars get washed in the morning and by the evening it has black dust settled on it. We are living in constant pollution. I don't play outside anymore with my kid because of the fear of her getting sick. We are like prisoners in our own homes because of the constant black dust. My wife has sinus issues a lot	83
29	2022/09/05 10:43	Arboretum	Coal dust	TPT	Dust every day. Can't open windows. Health effects: asthma. https://drive.google.com/open?id=1oP6iPA9LoA2NkQGYTJ49BKj5n3rS452W	83
30	2022/09/05 10:43	Arboretum	Coal dust	TPT	Black dust all over. Wife suffer from asthma	83
31	2022/09/05 10:44	Arboretum	Coal dust	TPT	Black dust constantly in the house and covering car. Entire family suffers with chronic sinus infection	83
32	2022/09/05 10:44	Arboretum	Coal dust	TPT	Every single household item is covered in black dust at all times. You need to sweep/ dust 2 - 3 times a day, but everything is still covered in black dust. Walls stay black. Plants are black. Washing does not come clean. Constant sinus issues. Not originally from this area, and had none of these issues before. Effects my animals as well. Constant runny eyes	83
33	2022/09/05 10:45	Arboretum	Coal dust	TPT	Dust damaging the exterior and interior paint. Washing collecting dust. 3 year old son battling with broncho pneumonia	83

No	Date	Region	Type	Source	Description	Response
34	2022/09/05 10:45	Arboretum	Coal dust	TPT	The whole is surrounded by coal dust we can't even open windows now.	83
35	2022/09/05 10:45	Arboretum	Coal dust	TPT	This black dust sits on our vehicles and our house's roof and windows. The pool has always a layer of dust floating on top. If you sweep the paving, it's just black dust. I wouldn't even want to think about what it does to our lungs if this is how everything else looks	83
36	2022/09/05 10:45	Arboretum	Odour	Unknown Source - further investigation required	Smells. Ashman my 5 year all constantly suffers	1
37	2022/09/05 10:46	Arboretum	Coal dust	TPT	Black dust is everywhere! On my dogs, in my koi pond, in every inch of my property! Cleaning up has become tiresome and rather annoying as not many people have the luxury of excessive time. Most fixtures have to be constantly cleaned and lubricated to avoid breakage / damages. White curtains turn black within a week. All homeware (plates, pots etc) has to be washed before every use as it even ends up inside my cupboards! Besides my family members constantly battling with sinuses and a cough that never goes away, my fur babies are also experiencing coughs and shortness of breath	83
38	2022/09/05 10:46	Arboretum	Coal dust	TPT	Every time the wind blow, everything is getting covered in black coal dust. It is totally unacceptable. Severe sinus. https://drive.google.com/open?id=1PX3U1DrwBw_9KWflqValVYVuYRdp-HTj	83
39	2022/09/05 10:47	Alton	Coal dust	TPT	Our office desks, chairs, bathrooms full of black dust. You can clean now and 5 min later everything is full of the dust again. I never see someone like this before. Our coffee mug if it stand for a few minutes, there is even dust in your cup. Floating on top of you coffee. What ever you touch on your desk is full of dust. Imagine how our lungs must look like with all these dirty air that we breath in. Coughing regularly something I never had a problem with before. Sneezing, running nose	83
40	2022/09/05 10:47	Arboretum	Coal dust	TPT	Dust everywhere in the house and outside. Dogs water bowls have to be cleaned more than twice a day, the black dust floats on their water. Difficulties with breathing, currently receiving chemotherapy (Hodgkins Lymphoma). Due to my current health situation, my immune system is severely compromised and I cannot afford to get sick. If I do get sick then I cannot receive chemotherapy.	83
41	2022/09/05 10:48	Arboretum	Coal dust	TPT	Dust inside the house, a thick layer of dust in the swimming pool especially on the steps. Every one in our household including the dogs have sinus issues and this past week we all woke up during the night coughing. https://drive.google.com/open?id=1-ah_ICwDv3sUGAQ8imE_nztdCn9I0amF	83
42	2022/09/05 10:48	Arboretum	Coal dust	TPT	My hele huis my hele erf my swembad , alles is vol daarvan. As mens wasgoed ophang is dit vol daarvan , klere binne in die huis, meubels alles is permanent vol daarvan, jy maak nou skoon nie 5minute nie dans alles weer vol. Ons nies heeltyd, het heeltyd sinus en hoofpyn, neus jeuk, oë juk, dis aaklig om so te lewe, dis ongemaklik en kos baie aan skoonmaak goed en medikasie heeltyd.	83

No	Date	Region	Type	Source	Description	Response
43	2022/09/05 10:48	Arboretum Ext	Coal dust	TPT	Everything is covered in coal dust requiring daily cleaning. Carpets are spoiled by black dust and cannot be cleaned any longer. Besides abovevisible effects, the impact on one's health by breathing this polluted air, is yet unknown.	83
44	2022/09/05 10:49	Birdswood	Coal dust	TPT	Dust	83
45	2022/09/05 10:49	Arboretum	Coal dust	TPT	House outside and inside black dust. Never had sinus now constantly sinus and ear infections...father of 70 has developed asthma	83
46	2022/09/05 10:50	Arboretum	Coal dust	TPT	The dust goes into our furniture and electronic devices as well as my plants and on my vegetable garden etc. Health effects: Yes , my skin and lungs. https://drive.google.com/open?id=1q-d96uQeFFMLNi7k56TIk_0UZ1JPdu0X	83
47	2022/09/05 10:51	Arboretum	Coal dust	TPT	We cannot even leave windows and doors open. We live in a jail because of the dust. Sneezing and coughing all the time. Constantly runny nose, sneezing and coughing.	83
48	2022/09/05 10:52	Arboretum	Coal dust	TPT	Black dust on all the surfaces. Coughing. https://drive.google.com/open?id=1DGIMo2ivxnPlu6sIEA03hikC58q0g3ZU	83
49	2022/09/05 10:53	Arboretum	Coal dust	TPT	I have Black Dust on every appliance in my house, especially my kitchen and living areas. Health effects: About a year ago I had to get an inhaler for asthma symptoms. Three months ago my son also showed the same symptoms and was given an inhaler as well as medication. Last month my husbands started coughing and wheezing, he will be going to the doctor next week to be checked. https://drive.google.com/open?id=1gdyqeBuWKRufROS-h3Zn5NURfoPRXkrH	83
50	2022/09/05 10:53	Arboretum	Coal dust	TPT	General dustiness, especially on car, seems to be tarnishing as well. Sinus issues	83
51	2022/09/05 10:54	Arboretum	Coal dust	TPT	Black fine dust everywhere. In house ,garage , on roof etc. All furniture and floors have to be dusted daily. Chest Problems and Asthma.	83
52	2022/09/05 10:54	Arboretum	Coal dust	TPT	Dust in house. Headache and block nous	83
53	2022/09/05 10:54	Arboretum	Coal dust	TPT	You constantly have to clean, which becomes costly and it's not like the coal dust comes off easily. Your chest does have an affect as well as your sinuses	83
54	2022/09/05 10:55	Arboretum	Coal dust	TPT	Black dust covers everything, from the patio to the floors in the house. Even surfaces and counter tops. The house needs to be swept and mopped multiple and surfaces wiped times a day to stay clean. And as we both work and don't have a full time maid, the dirt collects quickly and everything else gets dirty from our dogs feet carrying the dirt on to the sofas and our cloths. We went away for a few days and came back to a house looking like a disaster zone. Unfortunately because of our small dogs we have to leave our patio door slightly open during the day to allow them access to the outside and it means we get home to a dirty house everyday. Its almost impossible to keep surfaces clean, It is extremely frustrating, and we have been discussing leaving Richards Bay because it's affecting our quality of life significantly. We both suffer with sinusitis and my fiancé has been continuously sick since moving into the property. Really glad that the community can have a voice on the issue,	83

No	Date	Region	Type	Source	Description	Response
					thank you for allowing people to share. We hope that there may be a solution. Sinusitis and my fiancé has had upper respiratory infections multiple times this year alone.	
55	2022/09/05 10:57	Arboretum	Coal dust	TPT	Our house is painted white ... have black dust and spots all over. Everyday we need to wipe of black dust from our stoep furniture, even outside lights and even in the plugs. Permanent post nasal drip here @home and if my grandchild with CF come to visit her chest is worse than in Birdwood.	83
56	2022/09/05 10:58	Arboretum	Coal dust	TPT	Dust on the roof and in the house on the floor black dust. Not even sure but I have a permanent nose run any season now	83
57	2022/09/05 10:58	Arboretum	Coal dust	TPT	Dis oral oor en in alles in. My fotos word verwerp	83
58	2022/09/05 11:01	Arboretum	Coal dust	TPT	Everything is covered in black dust. We have to keep all windows and doors closed at all times because the black dust lands on Everything. We constantly have to clean, the floors in the house are constantly covered in the black dust even after vacuuming and washing them. Kitchen counters have to constantly be cleaned. It's a never ending battle. Health effects: Not yet. But I am sure it will come as we have only lived in Richards Bay for 2 years now	83
59	2022/09/05 11:05	Arboretum	Coal dust	TPT	Every thing inside and outside house is covered in a black cloud. Sinuses sneezing coughing back nasal drop	83
60	2022/09/05 11:05	Arboretum	Coal dust	TPT	We are spending thousands of rands each year to fix our pool as you can try and keep the pool clean as much as you want to, the next day , is just another line of dust/particles in the swimming pool. Severe Sinus and Headaches, and Dizzy ness	83
61	2022/09/05 11:05	Arboretum	Coal dust	TPT	Walls are covered by coal dust. Yard and all tiled surfaces including windows n doors are covered by coal dust which is cleaned weekle at my expense. My kids have issues breathing and chest issues.	83
62	2022/09/05 11:08	Arboretum	Coal dust	TPT	Everything outside is covered by black dust and kills the plants. Black dust get inside the house through open windows and doors.	83
63	2022/09/05 11:09	Arboretum	Coal dust	TPT	My entertainment area and whole flat must be cleaned and dusted everyday. With heaps of black dust. It is getting worse stays here for 6 years and it is very bad at the moment	83
64	2022/09/05 11:09	Arboretum	Coal dust	TPT	The outside of my property gets covered with coal dust. Our garden and plants are covered with coaldust and sometimes you find the residue on the vehicles in the mornings. This is extremely frustrating and causes so much of health issues. Whose pockets are being filled with this corruption that such nonsense is allowed. we suffer with breathing difficulties on some nights and days	83
65	2022/09/05 11:11	Arboretum	Coal dust	TPT	Property is covered in black. Dust setting on everything the effects is especially noticeable on curtains of open windows, precast fencing, roof and swimming pool that develop a black layer of dust setting on it. Constan cough	83

No	Date	Region	Type	Source	Description	Response
66	2022/09/05 11:12	Arboretum	Coal dust	TPT	Continuous layer of dust with specific wind direction. Causing light skin irritation and dust particles in eyes with strong wind gust from settle dust on roofs. Just irritation. No long-term effects	83
67	2022/09/05 11:12	Arboretum	Coal dust	TPT	Windows and doors cant be left open due to dust entering my place. If windows are open the black dust stains my curtains and leave my paint on the inside of the windows dirty.	83
68	2022/09/05 11:12	Arboretum	Coal dust	TPT	Coal dust is everywhere, inside and outside house, everything is black. battle with chronic sinus	83
69	2022/09/05 11:13	Arboretum	Coal dust	TPT	If the wind blows from the coal terminal everything is covered in coal dust ! If this happens on a washing day you cannot do any washing. Definitely affects my wife's health as she suffers from asthma.	83
70	2022/09/05 11:15	Arboretum	Coal dust	TPT	I cannot open any of my window or doors because everything is ALWAYS covered in black dust. My house is tiled and I cannot walk barefoot in my own house that black dust is everywhere. In our house we all have dust allergies and medications every month is a burden on our already strained income.	83
71	2022/09/05 11:16	Arboretum	Coal dust	TPT	Coal dust on the inside and outside of the premises, you can sweep this morning and after 4 hours you will have to sweep again . You can not leave any doors or windows open as everything becomes black with coal residue all over, thus not being able to get any fresh air into our houses . Our entire household are suffering from sinuses since the coal volumes have increased you will find your nostrils be black of coal when you blow your nose . You find the stock piles in the port now moving to the old woodchips area creating even more havoc and surprisingly also noticing trucks using the Meerensee port entrance gate to for exciting creating more spillage on the roads with drivers dumping spillage everywhere they stop	83
72	2022/09/05 11:18	Veldenvlei	Coal dust	TPT	The fine dust accumulates daily everywhere in the house. It is also noticed when white washing is hung on the line. I constantly have sinusitis symptoms, regardless of medication taken.	83
73	2022/09/05 11:18	Arboretum	Coal dust	TPT	Black dust inside and House and outside on roof. Not aware of health effect	83
74	2022/09/05 11:21	Arboretum	Coal dust	TPT	Property always covered with dust, continues cleaning inside and outside. Ongoing sinus problems	83
75	2022/09/05 11:23	Arboretum	Coal dust	TPT	Bad conditioned roofs. Headaches and Sinus problems with Bloody Nose.	83
76	2022/09/05 11:27	Arboretum	Coal dust	TPT	Can't open windows due to black dust. Sinus.	83
77	2022/09/05 11:27	Arboretum	Coal dust	TPT	Floor in home has a constant black dust, even the mop is black from the dust. My car and caravan has a layer of black dust, has to wash it on a regular basis. White washing turning grey while hanging outside. Health issues: Not yet.	83

No	Date	Region	Type	Source	Description	Response
78	2022/09/05 11:30	Arboretum	Coal dust	TPT	After a windy day, the dust is clearly visible on surfaces. It also affects my breathing as i have asthma	83
79	2022/09/05 11:35	Arboretum	Coal dust	TPT	Aaaaklug. Net swart stof oral. Klere op wasgoeddraad swart, meubels en gordyne swart. As mens kaalvoet loop inni huis of buite is voete pikswart. Jeuk permanent. Moet asthma pompie gebruik wat nooit nodig was ni. Nog nooit hoofpyn gehad ni, nou erge hoofpyne. Swembad kom ni skoon, swart stof dryf bo op permanent. Nies en hoes. Hoofpyne en kortasem, en keel trek toe.	83
80	2022/09/05 11:37	Wildenweide	Coal dust	TPT	It is terrible and totally unacceptable. Property roofs, driveways, gutters ets effected. Black dust in the house. Chronic sinus. The matter has been ignored for years and RBCT gets away with it. Chronic sinus.	83
81	2022/09/05 11:42	Arboretum	Coal dust	TPT	Everyday our cars is covered with black dust, if the wind blows or not we are forced to keep our windows and doors closed. We need to sweep and mop very often sometimes 3 times a day because we have little children in the house. Our furniture gets full of black dust. Our curtains, bedding, couches, walls etc is getting dirty so often. When the children play outside it's much worse. My dogs is also getting black dust on their furs, and we need to bath them very often. Our complaints seems small but there shouldn't be any complaints at the end of day. How long will this last, when will we be able to walk bare feet in our house, on the carpets without worrying everything will be black. My youngest have been sick for the last few months and it's mostly coughing, he have been diagnosed with asthma when he was a baby but it never got worse and even got better where we didn't had to use a pump. Now for the last few months since we moved to Arboretum it seems he is not getting any better and only worse. His immune have not been strong since and results in getting sickly very often, which means more medication we need to buy and more trips to the nurses etc. We are living with one income and it can get costly.	83
82	2022/09/05 11:42	Veldenvlei	Coal dust	TPT	When the wind is blowing from the South, pool is getting a layer of coal dust at the bottom. Coal dust is getting blown in the house from under the door. The coal particles that the eye can see is not to bad for your health. The big problem is the particles that the eyes don't see. They flying straight to the lungs. Health issues: no so far.	83
83	2022/09/05 11:42	Arboretum	Coal dust	TPT	Black coal dust all over the plants, trees, paving and verandas as well as my verandas furniture. The roof, walls and windows are black from the coal dust, as well as my washing on the line, my car and inside my house. You are too afraid to open a window for fresh air or open a door. Wherever you drive in town you see how everything is covered by the black coal dust. I had TB many years ago and yes the coal dust dies affect my breathing sometimes. Especially when the wind blows.	83
84	2022/09/05 11:43	Arboretum	Coal dust	TPT	Coal dust settles over my pool and tile roofs. Each year I have to pressure wash and paint them as it leaks after washing. This dust also blows into the house, damaging furniture and floor tiles. Our cars have to be polished regularly as well. https://drive.google.com/open?id=1tG3yQI9lmdBd1cEaPF-UgyN7c3fN_wTv	83

No	Date	Region	Type	Source	Description	Response
85	2022/09/05 11:52	Arboretum	Coal dust	TPT	Can't open windows in my house as the dust is extremely bad. Since we moved from veld en vlei to arboretum my son has been suffering with sneezing from the dust. As he has a dust allergy. my son suffers extremely with his dust allergy	83
86	2022/09/05 11:55	Arboretum	Coal dust	TPT	We keep our windows and doors closed for the dust. Some of our appliances got the black dust in and needed repair. Our furniture are getting full of the black dust	83
87	2022/09/05 11:58	Arboretum Ext	Coal dust	TPT	My floors and any other surfaces are black with dust on a daily basis. And so are my curtains. I battle with acute sinusitis due to breathing in this dust	83
88	2022/09/05 12:01	Arboretum	Coal dust	TPT	I suggest that the black dust source is South32 because of the prevailing sw winds. The dust has been a problem for decades; it's not a recent phenomenon. I lived in V&V for years with no problems but after moving to Zirconia, I started having non stop sinus...probably pollution from the fertilizer and aluminium factories.	83
89	2022/09/05 12:03	Alton	Coal dust	TPT	Coal dust every wear, you breath it in all the time is on every surface area. not currently but people in office battle with sinus and thought congestive problems	83
90	2022/09/05 12:03	Arboretum	Coal dust	TPT	I am forced to close the door every time because of black dust. All my kids suffer from sinus coughing all the time. Sinus and coughing	83
91	2022/09/05 12:03	Arboretum	Coal dust	TPT	The dust affects my children's breathing coughing more and more. It affects my house by getting into my appliances and my house never stays clean. My floors is always dirty cant walk without shoes and my curtains is a nightmare to keep and get clean. My pool is always full of black dust and i have to vacuum it with a pool vacuum evert end day thus i have to refill ebery second day. coughing. Me and my children but mine has gotten a lot worse	83
92	2022/09/05 12:12	Arboretum	Coal dust	TPT	My property is not affected. Health effects: no. https://drive.google.com/open?id=1TB9u4bZmvUclaCwznNINb4VWS__CzTuh	83
93	2022/09/05 12:18	Meerensee	Coal dust	TPT	Constant deposition of ultrafine coal dust. Started ca 2014/2015 and has increased year in year, becoming intolerable. Bare feet blackened by dust within minutes walking on tiled porch and within an hour INDOORS if windows left open.	83
94	2022/09/05 12:23	Birdswood	Coal dust	TPT	Thick layers of dust, in yours house, on your furniture and in your clothes, on windy days in also ends up on your food, I don't know of any one in Richards Bay without sinus problems. Extreme sinus infections. https://drive.google.com/open?id=1s0sqBdLs7mAssN62JPnVBMZ_5842yKo	83
95	2022/09/05 12:26	Arboretum	Coal dust	TPT	Black coal dust all over the roof tree's and in swimming pool. Health effects: breathing, especially at night	83
96	2022/09/05 12:32	Arboretum	Coal dust	TPT	Constant black layer of dust on everything inside and outside the house, no matter how often you clean, 5 mins later it's covered in a layer again. We have a white dog that is turning grey from all the coal dust- this is stained, as it doesn't come off when we wash her, all of our white linen is also stained. Health effects: Not as yet	83
97	2022/09/05 12:32	Alton	Coal dust	TPT	Coal stock piles around the corner from us in Galeirgang....the black dust is in our offices on our cars. You can wash your car today. Less than half hour it's black again....Paperwork in office and surfaces covered in black dust...Hay fever and inhaling of this dust is bad...If you blow your nose it's black dust...We inhale this	83

No	Date	Region	Type	Source	Description	Response
					constantly...serious health issue...Coal Trucks creates clouds of black dust and blocks the whole Alton area so badly that we struggle to get in and out...And they don't respect any other road users. Today 05th September wind blowing hectic...black dust everywhere. Hay fever and dry nose. And if you blow your nose it's black https://drive.google.com/open?id=1kFH5psXxmJwwaoNxVydIvA27dhyNH0P6	
98	2022/09/05 12:46	Veldenvlei	Coal dust	TPT	Black dust everywhere.. on vehicles.. on all home surfaces.. floating in pool. Bad sinus and allergy impact	83
99	2022/09/05 12:47	Birdswood	Coal dust	TPT	Black dust everywhere. Sinus infections. https://drive.google.com/open?id=1wJebL2YdbNCQrVW4jXnxtKENzTiaXBYZ	83
100	2022/09/05 12:54	Arboretum	Coal dust	TPT	Pool always full off black dust, can't leave a door or a window open because of the amount of black dust accumulating in the house. My daughter also have allergies because of this. Allergies	83
101	2022/09/05 13:02	Arboretum	Coal dust	TPT	My vehicles is always covered in black dust. My swimming pool is an endless and very expensive task to keep clean due to the dust. Outside furniture the same thing. Not to mention my house structure. How knows how my families lounges look like by now. Health effects: Who knows	83
102	2022/09/05 13:09	Arboretum	Coal dust	TPT	There is dust every day with the easterly wind and South Eastern winds it can be seen in my pool. We AL have chest problems (breathing)	83
103	2022/09/05 13:09	Arboretum	Coal dust	TPT	Black dust in my house window sills, floor on a daily basis. Asthma and sinus gotten worse over the years	83
104	2022/09/05 13:12	Arboretum	Coal dust	TPT	I have a child with Asthma and the way the coal and trucks are increasing every day its affecting my Son very badly he's always in and out of the hospital missing school. My son Asthma has gotten worse	83
105	2022/09/05 13:20	Arboretum	Coal dust	TPT	Black dust in house. Bronchitis, asthma, pneumonia	83
106	2022/09/05 13:20	Veldenvlei	Coal dust	TPT	Dust on everything, even fruit from trees in my garden are covered with black dust. Sinus and bronchitis problems on regular basis	83
107	2022/09/05 13:21	Veldenvlei	Coal dust	TPT	All surfaces covered with black dust , curtains before all open windows are collecting black dust. We all suffer from sinus problems , and post nasal drips , taking medication daily for allergic reaction. https://drive.google.com/open?id=1Q_V4Zo_CeM1sqs7gQ6U5aLf6hW33i2o2	83
108	2022/09/05 13:27	Arboretum	Coal dust	TPT	Black dust all over walls, on floors, windows. Pallisades and roofs all turning black. I am forced to repaint more often than normal. Drive around ARBORETUM and look at all the properties to. appreciate the damage caused. I have been living here since 1976 and for many years the Coal Terminal was forced to spray the coal regularly but this stopped years ago. I did take the matter up with the previous councillor, but this issue was never resolved. Sinus problems- running noses, sneezing, coughing, chest-phlegm.	83

No	Date	Region	Type	Source	Description	Response
109	2022/09/05 13:28	Arboretum	Coal dust	TPT	This dust affect our health, plants and kids health. It's is found inside the house all-over, kitchen sitting, bedrooms, etc. It is also found outdoors in kids play centres ,swimming pool etc. We breath it and we eat it. Health effects: yes	83
110	2022/09/05 13:31	Brackenham	Coal dust	TPT	Coal Dust. Health effects: too early to say	83
111	2022/09/05 13:35	Arboretum	Coal dust	TPT	Everything is always covered with black dust, even minutes after cleaning. Sinus	83
112	2022/09/05 13:35	Arboretum	Coal dust	TPT	Everything is covered in coal dust. Sinus all the time.	83
113	2022/09/05 13:48	Arboretum	Coal dust	TPT	Coal dust all over the house, when the wind blows South to South West. Health effects: none Diagnosed so far	83
114	2022/09/05 13:49	Arboretum	Coal dust	TPT	My house and pool is always covered in fine black coal dust and worsening when the wind blows, the attached picture was taken half an hour after cleaning. My wife and I continually have sinus problems due to the dust (confirmed by the clinic) and coughing due to the dust intake. https://drive.google.com/open?id=1zn-j3pMD4OzjXr6B1uUN89VeALKlpGDL	83
115	2022/09/05 13:52	Arboretum	Coal dust	TPT	If it is windy we can feel the dust in the air through our breathing you feel the fine grains in your mouth The dust is mostly airborne so there are no piles visible but when it rains it washes of our roofs and be seen mixed with the water and when the water evaporates the residue left behind is visible. Constantly coughing, irritation of the throat, unusual amount of phlegm and tightness of the chest Thank you for your continued concern as we wondered what was happening	83
116	2022/09/05 14:39	Arboretum Ext	Coal dust	TPT	Permanent layer of black dust on my driveway, entertain area, vehicles and forced to keep windows and doors closed due to the black dust contaminating the inside of my house. Health effects: Nothing yet	83
117	2022/09/05 15:16	Arboretum	Coal dust	TPT	ROOFS are covered in black dust. Always black dust inside the house. Car and plants outside are always covered in black dust that do not easily comes off!! Lungs effect. On chronic asthma medication and experience allergic reaction!	83
118	2022/09/05 15:22	Meerensee	Coal dust	TPT	I have stage 4 COPD and I am sure the dust had some effect on my lungs. Some days I can barely do anything breathing is just hard. COPD & Heart problem caused from	83
119	2022/09/05 15:30	Arboretum	Coal dust	TPT	Family affected with bronchitis and wheezing all the time. Lots of coughing and wheezing experienced	83
120	2022/09/05 15:36	Birdswood	Coal dust	TPT	Outside surfaces, such as tables, become covered in a layer of black soot within a day or two of cleaning. Sinus problems or hay fever is a common occurrence. This is specific to this town; while traveling these issues clear up, but upon return, so do these symptoms - often within a matter of hours. https://drive.google.com/open?id=1A_Y55NQOzz3doUUEQsbq91EKoKnapBn6	83

No	Date	Region	Type	Source	Description	Response
121	2022/09/05 15:42	Arboretum	Coal dust	TPT	The black coal dust settles on everything...inside the house as well as on outside furniture. One cannot even sit on the patio furniture. This occurs on a daily basis. I am not even comfortable hanging out clothes to dry. I have now resorted to keeping my doors and windows closed to protect my indoor furniture and to keep my house clean. Even my white toilet seat gets black if I leave my bathroom windows open. I shouldn't have to resort to such measures. The saddest part is that my dog's water gets polluted with this coal dust and their food bowls are constantly getting dirty daily. The dust also settles in the swimming pool. Currently no health issues, but inhalation of coal dust can lead to serious illness. https://drive.google.com/open?id=17beZWQib9-guM_FRtPZMwFrZlkgxNvF3	83
122	2022/09/05 16:08	Arboretum	Coal dust	TPT	All my stuff are black inside the house, even my plants don't grow as usual. Suffering from sinuses, dry throat and sneezing	83
123	2022/09/05 16:12	Alton	Coal dust	TPT	The property is in direct contact with the coal dust.	83
124	2022/09/05 16:15	Birdswood	Coal dust	TPT	Constant black dust on floor in yard(tiled yard) and house. Sinus, chronic cough	83
125	2022/09/05 16:17	Arboretum	Coal dust	TPT	Black dust all over. Cannot properly clean the house, within seconds dusty again. Cannot touch work surfaces - you need to wash hands all the time. Can feel the dust on my skin, in my eyes and in my lungs. Blowing nose results in black on the tissue. I can just imagine what my lungs look like! https://drive.google.com/open?id=1JTFMYz1sZT732uhkzxt4Pb-C3yFdle	83
126	2022/09/05 16:30	Arboretum	Coal dust	TPT	If ever I leave my house without closing the windows when I get home will find black coal stuff inside the house. Not as yet but recently my throat is always dry	83
127	2022/09/05 16:35	Arboretum	Coal dust	TPT	Daily inside and outside black dust. Surfaces are wiped twice a day ... and more on a windy day. Floors and paving can be swept every hour, and the dust will be there every time. Hay fever and sinusitis.	83
128	2022/09/05 16:45	Arboretum	Coal dust	TPT	Swimming pool and plants is covered with a layer of coal dust. Me and my wife coughing and tight chest	83
129	2022/09/05 17:15	Wildenweide	Coal dust	TPT	Fine coal dust settles on the roof and ground and unfortunately also gets into the house. increase in hay fever and sinusitis and skin allergy seems to be the main issues	83
130	2022/09/05 17:19	Arboretum	Coal dust	TPT	Black dust everywhere inside and outside. breathing in dust. Chronic lung infection and chronic sinus infection.	83
131	2022/09/05 17:20	Arboretum	Coal dust	TPT	My swimming pool is full of coal dust every time the wind blow, the house is full of coal dust every day. I cough more than usual https://drive.google.com/open?id=1m1Naofs_55A4hpvSCC3UlcEXvRQvV3tL	83
132	2022/09/05 17:28	Arboretum	Coal dust	TPT	Everything is covered in black dust PLUS we have one of the trucks parking in our street and the truck covered in black dust is being washed down on the sidewalk. Sinus problems. https://drive.google.com/open?id=1yf7GoYEOdHG66j-PqptTwjdcOWDgyJJ	83

No	Date	Region	Type	Source	Description	Response
133	2022/09/05 17:37	Arboretum	Coal dust	TPT	Copious amounts of black dust on all surfaces inside and outside. House has just been repainted and already it is soiled with dust. Animals water bowls are hardly filled with fresh water when one finds black dust floating on the surface. Windows and window sills cleaned and a day or two later they are covered in dust. Paving is 'stained' from the dust. Plants leaves have dust on them. Dogs feet and our feet are constantly 'black' underneath due to the dust which is carried into the house. The problem has become progressively worse in the last year or so. We often suffer from nasal congestion, more than in the past and headaches as well. https://drive.google.com/open?id=1DNxmKmL8miGUARoqcqZtRDdJfZjeCts5	83
134	2022/09/05 17:38	Arboretum	Coal dust	TPT	Black dust on my furniture and my floors the other day with the strong winds. Sinus and coughing a lot lately	83
135	2022/09/05 17:39	Arboretum	Coal dust	TPT	Coal dust outside and inside which cause health issues. Hay fever, Asma, Burning eyes	83
136	2022/09/05 18:07	Arboretum	Coal dust	TPT	We have black dust every day in the house. Outside plastic furniture goes black. We have to keep our windows closed to limit the dust. In summer you have to keep your windows open because it's hot so the dust collects in the fly screens. My lungs were completely clear when I arrived here 34 years ago and I was 36 years old. I now suffer from tight chest and wheezing where I need a cortisone inhaler (seraflo) and a short term inhaler (asthavent). I own a nebuliser because I ended up in Casualty about 20 years ago because I couldn't breathe. My breathing is under control with medication but I certainly don't have the lung capacity that I had when I arrived here in 1988. My top inhaled breath is 120 when I believe it could be a good deal higher if I wasn't breathing impaired from my time in Richards Bay. I am 70 now and I have no serious health problems otherwise	83
137	2022/09/05 18:11	Meerensee	Coal dust	TPT	A continuous thick black layer over furniture, curtains and blinds. My whole family suffers from very bad sinus an upper respiratory illnesses continuously https://drive.google.com/open?id=1-WmVKZdMGFPWDIF8gU5n-bZzXVgzNKXS	83
138	2022/09/05 18:16	Arboretum	Coal dust	TPT	I recently washed my roof which is red, but now it is blackish. Veranda has light tiles, but they are always dusty black All leaves are black. We arrived in R/Bay in August 2021, my wife is always coughing	83
139	2022/09/05 18:19	Arboretum	Coal dust	TPT	Coal dust. Sinus and upper respiratory illnesses https://drive.google.com/open?id=1byM5tkn6Rm4fTt1NHEuDfzGWWGH3Jb5WY	83
140	2022/09/05 18:26	Arboretum	Coal dust	TPT	Black dust on the whole house inside and out Continuously painting exterior. Allergies.	83
141	2022/09/05 18:55	Veldenvlei	Coal dust	TPT	Outside furniture, vehicles and children's out door toys covered in coal dust. Wgen doors and windows open, continued sandy dusty black material deposits all over the floors and surfaces. Its a cleaning and hygiene nightmare! severe headaches and sinus	83

No	Date	Region	Type	Source	Description	Response
142	2022/09/05 19:34	Birdswood	Coal dust	TPT	I have complaints about Alton mostly - No one can survive . Not even the traffic stands at the round about helps with the dust. Truck stops with nou sement on hard brick surface kicking up dust. Trucks turn around at the circle coming back again for a second time worsening the situation. the wind is also not very friendly and put pressure on the dust. Really everything is pitch black in 10 minutes in the shop. Health effects: not yet - but if this is not going to stop there will be complications - We have cleaned out the shop today and I do not have a picture. But surely will be able to provide you of evidence tomorrow when the dust settled - papers books printers equipment consignment stock. Nobody can touch anything	83
143	2022/09/05 19:36	Arboretum	Coal dust	TPT	Outside furniture cover with black dust. My husband has asthma and COPD his chest is tight battle to get it open. live 22years here that was never so bad. Asthma and diabetes diagnosed with COPD chest is always tight must use nebuliser twice a day.	83
144	2022/09/05 20:44	Birdswood	Coal dust	TPT	Cars continually covered by black powder. Nose always black inside. Sinuses effected. Inside house, table tops covered by black powder. If it rain, the water from roof, falling on cars, proof black particles. Sinuses irritated. Eyes red and burn. Black dust from inside nose The town resembles a mining community	83
145	2022/09/05 20:53	Arboretum	Coal dust	TPT	Can't leave any doors or windows open then everything is full of black dust.	83
146	2022/09/05 21:29	Arboretum	Coal dust	TPT	Everything is full of coal dust! It is everywhere. Constant Sinus and sore throat.	83
147	2022/09/05 21:31	Meerensee	Coal dust	TPT	Dust on tiles outside and on roof and on windows. My daughter got chronic bronchitis	83
148	2022/09/06 06:04	Arboretum	Coal dust	TPT	Everyday I wipe, sweep and wash to no avail. Its relentless. I wonder how much we inhale, very unhealthy. We both now suffer allergies.. I've developed cough since we've moved to arboretum.	83
149	2022/09/06 06:14	Wildenweide	Odour	Mondi	"Very strong rotten egg smell."	77
150	2022/09/06 06:55	Arboretum	Coal dust	TPT	There is continues blab dust on the paving in my pool and even inside the house. It has never been this bad. A lt of phlem in the mornings.	83
151	2022/09/06 07:14	Alton	Coal dust	TPT	Coal dust in the shop and can't keep our place clean and it's a health hazard. Coughing and sinus. https://drive.google.com/open?id=1QSlOav9SeyZ55N1fmykPzkeRhJdpajX	83
152	2022/09/06 07:54	Arboretum	Coal dust	TPT	Dust all over property.	83
153	2022/09/06 08:06	Alton	Coal dust	TPT	My property has suddenly become sandwiched between two very large storage mounds. The area has become extremely dusty, dirty and our property values have now been seriously eroded. The roads are very badly damaged by extremely over	83

No	Date	Region	Type	Source	Description	Response
					loaded trucks, constant traffic congestion with no regard to safety. Our vehicles and offices are covered in a black dust all the time. How can these businesses be given the go ahead to trade at the expense of all other businesses in the area? Total disregard for damage to property and infrastructure in the area. No environmental impact assessment done, But this is the way in this "New South Africa" Completely unacceptable. Severe dust inhalation and consequent long term health risks, who on one will be held accountable for https://drive.google.com/open?id=1iTnwhmdlahAHMOkSh9H1Hs5opwLPm4HG	
154	2022/09/06 09:38	Arboretum	Coal dust	TPT	Every counter top, piece of furniture and swimming pool covered in a constant layer of coal dust. Constant cleaning, wiping down kitchen counters. https://drive.google.com/open?id=1gUyNqVrpyu5KeDbV-SE_0xayvj2Nu-8E	83
155	2022/09/06 09:41	Arboretum	Coal dust	TPT	The dust is always there. I sweep twice a day, and wash the floors every second day, but even on the day i wash the floors, a few hours later my children's feet are black from the dust just running through the house. They do not play outside all that much because we have sand in the yard and it is a dark grey colour which i do not want them to play in. There is some allergies we have, especially on a windy day.	83
156	2022/09/06 09:44	Alton	Clinical + Odour	Mondi	Noxious odour emanating from an uncovered skip on the adjacent DCLM property 17 Copper Corner, causing migraine and feeling sick.	84
157	2022/09/06 09:51	Arboretum	Coal dust	TPT	If we get wind from the south, every thing Turns black. Lung problems. https://drive.google.com/open?id=1B81OyXC0G_3i1GUZzladR-a_3eWVPnHd	83
158	2022/09/06 11:22	Alton	Clinical + Odour	Unknown Source - further investigation required	Bad smell causing Burning eyes and feeling sick	1
159	2022/09/06 12:07	Arboretum	Coal dust	TPT	Black dust in and outside my house. Permanent allergies	83
160	2022/09/06 12:40	Arboretum	Coal dust	TPT	The dust is unbearable, leading to continuous sweeping and resweeping. Sinuses. Currently popping sinuses tablets on a daily basis	83
161	2022/09/06 13:20	Meerensee	Coal dust	TPT	Coal dust on all furniture, extractor fan filters(inside house) as well as in air purifier. Irregular coughing, all 3 of my children have watery eyes/coughing(worse when there is a gas leak as well) will take photos and send to councillor.	83
162	2022/09/06 13:36	Arboretum	Coal dust	TPT	Floors, Windows. Windows sills, car always covered in a layer of Black dust no matter how often you clean. Black layer on Floors of swimming pool, affects pool pump. Severe sinusitis and chest infections	83
163	2022/09/06 14:19	Arboretum	Coal dust	TPT	Roof and property gets coated in fine coal dust. We cannot leave windows open, especially on windy days. This obviously has an effect on our health (lungs). Our outdoor furniture is ruined and our swimming pool is always coated in black dust. If our furniture is coated in fine dust, then it can only be assumed that our lungs are the same.	83

No	Date	Region	Type	Source	Description	Response
164	2022/09/06 14:21	Arboretum	Coal dust	TPT	Everything outside gets coated with a fine black dust. Furniture, swimming pool. When we leave windows open it covers the inside of the house. Cannot be seen but it is expected that our lungs are affected.	83
165	2022/09/06 14:27	Arboretum	Coal dust	TPT	Black dust accumulates on the curtains when the windows are kept open. This forces me to keep the windows closed which results in poor air circulation within the house No	83
166	2022/09/06 14:52	Arboretum	Coal dust	TPT	Our floors everything black dust! Yes coughing and headaches and have to use all the time medicine	83
167	2022/09/06 15:16	Arboretum	Coal dust	TPT	It's all over everyday .its seeps through into the house it's on the floors. If you wipe today tomorrow it's full again. Also our animals and ourself we inhaling this . I have never before battled with sinus but now it's on going. Chest becomes heavy also .	83
168	2022/09/06 16:05	Meerensee	Coal dust	TPT	Constantly dusty inside and outside, as well as on any vehicles parked outside no matter how much and often we clean. Yes. Chronic hay fever and sinusitis in myself as usually healthy adult. Children chronic allergies.	83
169	2022/09/06 17:30	Zululand Yacht Club	Coal dust	TPT	Coal dust everywhere! Sinus, coughing, chest infections, eye infections	83
170	2022/09/06 18:06	Alton	Coal dust	TPT	My whole shop is dirty with the dust, it is impossible to keep it clean. When the wind blows all the dust from next door where Ni Da truck depot operates from is coming into my shop. Yes sinuses from the dust. https://drive.google.com/open?id=1JZECN7CIHBWmh_6oyGhtkb1PqFBI1jF9	83
171	2022/09/06 18:06	Meerensee	Coal dust	TPT	Coal dust on motor vehicle, windows Sneezing, coughing. constantly Sick children	83
172	2022/09/06 18:57	Arboretum	Coal dust	TPT	Increase of black dust in the pool also inside the house when windows are left open Asthma and sinus and allergies have increased, now taking lung shield and using a oxygen inhaler https://drive.google.com/open?id=1jcvzE9gha5hoKhnbW9ijKNH7_SusAVyC	83
173	2022/09/06 20:58	Arboretum	Coal dust	TPT	Everything outside is covered in black dust. The children are always covered in it when they come inside after playing. It ends up on the trampoline, jungle gym and deck furniture as well as outside walls. The kids have been constantly coughing and sneezing. Coughing sounds barks like croup. Does not even subside with medication. My husband and I are not affected as much but then we don't play on the equipment and get covered in the dust.	83
174	2022/09/07 00:00	Arboretum	Coal dust	TPT	"Black dust settles all the time, covers everything outside and fine dust inside – have to continually dust inside. Leaves of lemon tree outside are black: we thought it was some kind of fungus but it can be washed off. As with most people in RB we are always stocked up with Sinutab and allergex – nose always blocked and sinuses	81,83

No	Date	Region	Type	Source	Description	Response
					sore. Even our poor dog coughs and sneezes. My wife walks barefoot outside and must continually wash black feet. Roof and walls black....etc etc"	
175	2022/09/07 02:57	Arboretum	Coal dust	TPT	We have had a problem with black coal dust entering our home for many many years. Some days worse than others. We constantly had to keep our windows and doors closed. Yes, some of my kids developed numerous chest issues and allergic reactions to the dust over the years growing up and were put on medicine treatment. We eventually decided to put them into schools out of town. I myself have have lived for many years on celestamine and Texa medication to treat my ailments.	83
176	2022/09/07 05:58	Arboretum	Coal dust	TPT	There is black dust everywhere, every day. The moment I open my door, the black dust enters the house. It sticks on the walls, my blinds, and on the windows and even on the roof. It gets washed down by the rain an dirties my paving and the swimming pool. I have to spend a fortune every month on cleaning products just to get rid of the dust. I hate it Yes. Very bad for my asthma. Multiple asthma attacks https://drive.google.com/open?id=1LeYillcpFYk92jqgRu6RE0VSXsyidVw5	83
177	2022/09/07 09:42	Meerensee	Coal dust	TPT	Continuous coal dust on my counters, curtains, pool surface. Actually everywhere. Sinuses get aggravated	83
178	2022/09/07 13:09	Alton	Coal dust	TPT	For the last couple of months I've had a constant irritation in my throat causing me to cough. Some of our workers are also experiencing problems with their eyes as well as being asthmatic. I shudder to think what our lungs look like with all the coal dust we are breathing in daily. As above	83
179	2022/09/07 14:05	Arboretum	Coal dust	TPT	On a daily basis, my house both inside and outside is covered in a powdery black dust Yes, both my sons battle terribly with sinus and allergy attacks	83
180	2022/09/07 14:14	Arboretum	Coal dust	TPT	The coal dust is carried on the wind and contaminates everything here in Arboretum. My roof, my car, paving and pool and even inside our home. We have to daily vacuum and dust inside and scrub outside paving etc. Continues black dust in my home, on my plants and my pool. Everything needs to be cleaned daily. Also wears out the pool motor and pool filter gets clogged up. Whenever it rains the black dust that settles on the roof come down the gutter pipes. Yes. Developed lung problems and eventually lymphoma cancer in my tonsils https://drive.google.com/open?id=1K087sXm3g_Xp3OPxlabbyHhgU-Kkgoo	83
181	2022/09/07 14:17	Arboretum	Coal dust	TPT	Coal dust settles on our property, paving .pool and even inside my kitchen and bedroom Yes, chest problems https://drive.google.com/open?id=1VNFEy4joEaUg2Fr1PttJVJQxsBNftnjP	83
182	2022/09/07 15:40	Birdswood	Coal dust	TPT	It is full of pitch black dust Sinus and coughing https://drive.google.com/open?id=1f5PyOQXJQVqYcwOsJO2freH4lz8YY1Bh	83

No	Date	Region	Type	Source	Description	Response
183	2022/09/07 19:01	Arboretum	Coal dust	TPT	My property and my personal health is being affected Yes severe sinus	83
184	2022/09/08 00:00	Alton	Coal dust	TPT	Dust-Extreme coal dust air pollution at our industrial site in Alton-Lot 1802. Full letter content can be found on email (2022/09/08 0:43:00).	83
185	2022/09/08 09:33	Veldenvlei	Clinical + Odour	Localized source	Noxious fumes: Children and teachers being affected by noxious fumes emanating from the adjacent house. "I am the Principal of the Richards Bay Christian School Pre-School, situated at no 32/34 Disa Dives Veld end Vlei, Richards Bay. We had new neighbours move in around End February. When we came back from school holidays we noticed a strong smell coming into our school but in all honesty, we did not know where it came from. It gradually got worse on a weekly basis. We eventually realised the smell and smoke was coming from the neighbour's garage which is approximately 1m from our school wall. The smell got so bad that I eventually went across to the neighbour and his employee informed me that the owner was not home, where after I enquired as to the smell. She mentioned that they had been using a laser cutter. I asked her to speak to her employer and inform him that the smell is affecting my children and staff. I have children from 16 months to 6 years in our school. They continued to work and I noticed a foil-like extractor pipe hanging from their garage window. In June/July I took a broomstick and knocked on their window where after they came outside to speak to me. I spoke to a gentleman who did not introduce himself to me. I asked about the smell and explained the effect it is having on my children and staff. He shrugged it off and told me that they are cutting vinyl etc and that the fumes were not toxic. I asked him to explain to me why we were getting sick and politely asked him to please make a plan and move the equipment. The female employee's words to me were "even if we move the machine to the other side of the house, you will still smell it". It is getting progressively worse every day now." RBCAA: The complainant has informed the RBCAA that the matter was reported to the local Municipality and that they have been onsite, however the activity continues. I have been out to the school, but unfortunately by the time I arrived the activity had ceased, and the odour dissipated. The RBCAA will engage with the City's Air Quality Management Unit.	85
186	2022/09/08 10:02	Arboretum	Coal dust	TPT	Constant dust inside and out. Paving is always covered in this fine black sticky dust. Attached pic of my son. He even looks like that INSIDE the house. We have to change and wash him 2 or 3 times a day! My mother I'd asthmatic. She coughs all the time and we are unsure if the dust is having an impact as her asthma is sensitive to allergies https://drive.google.com/open?id=1DmE74-ij72BLK29GqPyqOIHznpKa9Vo_	83
187	2022/09/08 10:42	Arboretum	Coal dust	TPT	Southerly winds bring about coal dust Sinus	83

No	Date	Region	Type	Source	Description	Response
188	2022/09/08 10:43	Arboretum	Coal dust	TPT	My daughter has been ill with chest for a month now it's very bad. our swimming pool is constantly black underneath yes, chest and sinus problems	83
189	2022/09/08 10:44	Arboretum	Coal dust	TPT	Dust everywhere, inside and out. Wheezing, sneezing, watering eyes.	83
190	2022/09/08 10:45	Arboretum	Coal dust	TPT	Inside when ever wiping the table or from we find dust. In the windows the dust is all over. The kids when playing their feet are black because of this coal, sometime we have cry cough Dry cough	83
191	2022/09/08 10:46	Arboretum	Coal dust	TPT	Everything is covered in a black dust the swimming pool is always black at the bottom Sinus https://drive.google.com/open?id=1bPuPkh_5HyPeZL5Qhs6nFqAxvVZl1z2S	83
192	2022/09/08 10:52	Arboretum	Coal dust	TPT	The dust is everywhere inside and out. Our car is full of it we have to wash our car once a week. Our pool pump has packed up due to the accumulated dust. I have to clean my house and sweep it twice a day. We recently paid almost a 100K to repaint out entire house and roof on the outside just for it to be black and covered in dust withing 3 months. We have to keep out windows closed constantly otherwise the dust just sit on everything and my baby is allergic to the dust. Thus it causes the respiratory issues. Since the dust became such a bad problem he hasn't had a week where he isn't sick.	83
193	2022/09/08 10:53	Arboretum	Coal dust	TPT	Black dust. No https://drive.google.com/open?id=1ZxPFiAXRKH3mb6_wN75qNyFcMSR3nMqq	83
194	2022/09/08 10:54	Arboretum	Coal dust	TPT	It is super dusty all over the house. I dust everyday and it just seems to re-appear like magic even though you have just dusted. We are also required to wear shoes inside the house, your feet are pitch black, even though the floors are cleaned on a daily basis Not as yet	83
195	2022/09/08 10:54	Arboretum	Coal dust	TPT	I have to sweep and mop the house +- 4 times a day my outside table as to be cleaned 2 just to get it clean my whole house hold is suffering from some form of chest problems we never had before almost like asthma even worse with headaches that comes and goes my son has been sick lying in bed with head aches and chest problems that caused fever i have dr note to proof it this cant go on like this its really worrisome	83

No	Date	Region	Type	Source	Description	Response
					Yes chest problems, head aches and flu like symptoms https://drive.google.com/open?id=1vnS79khZ0dPzRIJmxnoXEE5HE_c_e1hK	
196	2022/09/08 10:55	Arboretum	Coal dust	TPT	My house is full of black dust No	83
197	2022/09/08 10:55	Arboretum	Coal dust	TPT	Black dust all over inside of house every day Sinus, asthma, short of breath	83
198	2022/09/08 11:00	Arboretum	Coal dust	TPT	In my respect the coal dust is thankfully not as thick as perhaps other locations, in part that is thanks to the greenbelt surrounding the area. However dust on the windows , sills and veranda are concerning because of its frequency (i.e. i can wipe them down and the dirt is back with 3-5days) . Worse off these are particles which are not easily visible in the air until they settle which means we are inhaling them without knowing. A typical coal MSDS can outline the hazards associated with it. I have recently moved into the area but noted a prevalence of chest and sinus disorders. I must include that my sinuses have become more active since locating in Richards Bay. Coal is also a sulphurous compound with varying digress which overtime will create corrosion and damage our health. The Ports and mines need to look into a measure of storing the coal beneath tarps or enclosed sheds. We understand its part of the lifeblood of this region but we as people need to have a sound health to benefit from it. More active sinuses (post nasal drips , additional phlegm etc) .	83
199	2022/09/08 11:00	Arboretum	Coal dust	TPT	Ons het n new-born en haar borsie en neusie is heeltyd nie lekker nie agv al die stof. Alles is heeltyd vuil en mens het heeltyd hoofpyn en sinus van dit. Mens kan nie eers n deur of venster ooplos vir vars lug nie dans alles vol stof. Ja hoofpyne, sinus, slym in die keel en bors dis aaklig mens kan nie so lewe nie. Gee verskriklik baie geld uit aan skoonmaak goed en medikasie.	83
200	2022/09/08 11:01	Arboretum	Coal dust	TPT	The dust has blacked my roof more importantly it has put my sinuses on overdrive I now have to daily take antihistamines to manage sinuses something I used not do	83
201	2022/09/08 11:03	Arboretum	Coal dust	TPT	Black dust inside our property have to dust everyday with wet cloth to try and remove dust from the furniture and even the kitchen tops! For more than 4 weeks we battle with chest problems as never before the cost for dr's and medication far more than R5000 for this past month!!!! And that is only for 2 adults and 2 children!!!! And so now I believe theres a new coal drop zone in Alton next to Grinrod who also doing the coal!!!! Yes cant go to work ,blocked sinuses, coughing every night so bad cant sleep normal headaches chest defnitly infected like never before as well as my husband and 2 children and the children cant go to school as they have to neubilize to help them breathing!	83
202	2022/09/08 11:06	Arboretum	Coal dust	TPT	Fine all over the house. We went to Durban over the weekend and the pool pump did not run, we can back to a layer of black soot at the bottom of the pool. None as yet.	83

No	Date	Region	Type	Source	Description	Response
203	2022/09/08 11:09	Meerensee	Coal dust	TPT	For the first time in living is Rbay for 30years coal dust is now visibly settling on surfaces in meerensee! This means there is definitely been an increase in airborne coal lately Yes my children suffer from a continuous cough	83
204	2022/09/08 11:11	Arboretum	Coal dust	TPT	Everything is black patios plants cars windows floors Yes was in hospital with unexplaine coughing https://drive.google.com/open?id=15mFCUfoQi34jvsaD_ZpcoR88Mb8RXsoR	83
205	2022/09/08 11:19	Veldenvlei	Coal dust	TPT	There is always black dust in the house and outside esp when it is windy Sinuses	83
206	2022/09/08 11:25	Arboretum	Coal dust	TPT	Black dust everywhere Yes hospital 8 days https://drive.google.com/open?id=1mma_u4pedp1bVA6n9rnsyaFAsN_zeubi	83
207	2022/09/08 11:26	Arboretum	Coal dust	TPT	Everything in my house is pitch black, floores, cupboards, furniture everything.... Yes, we struggle with cronic sinus problems	83
208	2022/09/08 11:30	Arboretum	Coal dust	TPT	I cannot open house windows it's too dusty Sinus since I have started to stay in this address	83
209	2022/09/08 11:30	Arboretum	Coal dust	TPT	Always dusty with black dust over all inside. Severe sunusitis, Rhinitis headaches.	83
210	2022/09/08 11:32	Mzingazi Waterfront	Coal dust	TPT	Black dust covers every thing all over property especially outside areas Itchy and burning eyes and contested nose	83
211	2022/09/08 11:38	Arboretum	Coal dust	TPT	Alot of coal in the property Sinus	83
212	2022/09/08 11:43	Meerensee	Coal dust	TPT	My yacht berthed at the Zululand Yacht Club is covered in black dust, this is staining the paintwork and sails. The dust is becoming mud in the bilges and affecting the operation of bilge pumps. Yes. I have developed sinus issues over the past 2 months as well as eye irritation	83
213	2022/09/08 11:44	Arboretum	Coal dust	TPT	Since moving to Arboretum late last year, my son has had endless trouble with his chest, after numerous tests and medications he's been diagnosed with asthma aswel as the blood results giving us a over the top reading for Air Pollutens allergies which is what induces his asthma . He is only 2 years old. My partner and I have never suffered from allergens and we too have had medications to ease symptoms atleast 3 times this past year, from being only sickly once every 2 years before moving here. We have now found a place and moving end of the month as we feel the worsening since being here. Outside trampoline always leaves my sons hands and feet pitch black as well as my swimming pool upon waking I find a layer of dark dust settled all along the sides of the pool which I have to brush daily. I have never experienced this in previous homes stayed in richards bay. Allergens Asthma	83

No	Date	Region	Type	Source	Description	Response
					Burning eyes Chesty coughs	
214	2022/09/08 11:47	Arboretum	Coal dust	TPT	Wet washing on line got very dirty. Black spots. My pool forever a black mudlike substance on the bottom Sinus and allergic attacks from the afternoon	83
215	2022/09/08 11:48	Arboretum	Coal dust	TPT	We are experiencing fine dust build-up inside our house on a daily basis. We have high pressure washed our roof and stop only to have it covered again with a black substance within a few months. I have experienced an increase in respiratory illness since moving to Arboretum, Richards Bay. My kids are frequently struggling with respiratory problems where my one Son is using an asthma inhaler on a frequent basis	83
216	2022/09/08 11:48	Meerensee	Coal dust	TPT	We have been struggling with our Sinuses, acute Bronchitis for quite some time now. Where Antibiotics just doesn't seem to help. Dr said it could be allergy related, as I work from home, do not come in contact with a lot of people, and become sick out of nowhere When driving to town, you can ACTUALLY see how grey the skies are, dirty, polluted Been struggling with Acute Bronchitis, Twins has developed Asthma related problems	83
217	2022/09/08 11:59	Arboretum	Coal dust	TPT	We have to keep all windows and doors closed as much as possible. Everything in the house is covered daily by the black dust. Anything outside is also covered in dust. Every day . None	83
218	2022/09/08 12:00	Zululand Yacht Club	Coal dust	TPT	The abrasive coal dust is eating into the paint on my yacht No	83
219	2022/09/08 12:02	Arboretum	Coal dust	TPT	Dust blows in the yard, verandas, even inside open windows. Walls, eibdiw sills and gutters are covered in dust. This also affect my kids health as they are constantly sick and coughing. Chest issues/bronchitis	83
220	2022/09/08 12:12	Arboretum	Coal dust	TPT	Black dust all over Blocked nose. Tight chest.	83
221	2022/09/08 12:18	Arboretum	Coal dust	TPT	Fine coal dust is found on the inside and outside of our home. No amount of mopping, vacuuming or sweeping rids us of this dust. Particularly bad on windy days. Everything is covered in this fine black dust so we must be inhaling it in all day and night as it is also found on our beds. When you blow your nose the tissue contains black dust. Children cannot play outside without their hands feet and clothes being filthy. Fed-up with all the additional work having to be done because of Portnet Transnet or whoever is not doing what they are meant to be doing. Lived in this area for many years and this was never an issue in previous years Become an issue in the last 2 or 3 years and is becoming increasingly worse. Sinus, congestion, headaches.	83

No	Date	Region	Type	Source	Description	Response
222	2022/09/08 12:19	Arboretum	Coal dust	TPT	Excess amount of black dust on my fans, curtains and floors Not what we are aware of yet	83
223	2022/09/08 12:34	Arboretum	Coal dust	TPT	All in the House an vehicles Sinus and cough https://drive.google.com/open?id=1ECbE80UYKuKlw6LdTL2gPMbxct_8ZvZ6	83
224	2022/09/08 12:46	Arboretum	Coal dust	TPT	I can no longer quickly walk outside for 1 minute with out wearing shoes or else my feet are black, all my outdoor furniture is often covered in a black powder that I need to wipe down. My exterior walls have the black dust collecting on every groove Not myself, but my husband, he has sensitive sinuses, and now carries an asthavent with him as he finds himself sneezing more than usual, before the change of season.	83
225	2022/09/08 12:46	Arboretum	Coal dust	TPT	Black silt in my dog's water and swimming pool Yes my 5 year old daughter is suffering from dust allergy and now after we took her to the homeopath she has to be on meds for the dust	83
226	2022/09/08 14:11	Arboretum	Coal dust	TPT	Daily black dust all over the property Continuous sinus and itchy throat	83
227	2022/09/08 15:06	Arboretum	Coal dust	TPT	Every surface is black inside and outside of my house and my son has asthma now he is very unwell with fluid in his lungs Shortness of breath	83
228	2022/09/08 15:33	Arboretum	Coal dust	TPT	Fine black dust covering everything in my house. Our whole family also suffers permanently with nasal congestion, coughing and burning throats. Nasal congestion, coughing and dry burning throats	83
229	2022/09/08 15:42	Arboretum	Coal dust	TPT	Continues coal dust been blown into our house and covering our furniture, kitchen counters any food left out is covered in dust. Our pool gets a black coating of dust on the surface and floor. I now suffer with sinuses due the dust.	83
230	2022/09/08 15:54	Arboretum	Coal dust	TPT	Black dust inside and outside of property G	83
231	2022/09/08 16:14	Arboretum	Coal dust	TPT	N/A My son goes to a daycare in Arboretum and is constantly suffering with his chest. This year my son has been diagnosed with Rhinovirus, Croup and recently Bronchitis. This has been an ongoing thing where he is geting sick with his chest every 3 to 4 weeks and has a constant runny nose .	83
232	2022/09/08 16:42	Arboretum	Coal dust	TPT	The coal dust is very damaging to our home. Beside the outside of the property like the garden plants flowers garden furniture windows..all need be cleaned on regular bases. The inside of our homes gets dirty due to ventilation. Its goes to every part of our home. Congestion	83
233	2022/09/08 17:21	Arboretum	Coal dust	TPT	Pool garden furniture evething outside black even the washing On the line Sinus attacks	83

No	Date	Region	Type	Source	Description	Response
234	2022/09/08 17:38	Arboretum	Coal dust	TPT	Everything continually covered in coal dust...buildings (inside and out), plants, build-up in swimming pool Coughing, but thankfully no serious health effects	83
235	2022/09/08 17:57	Arboretum	Coal dust	TPT	Everything is dusty and I have sinus My son servie sinuses	83
236	2022/09/08 18:19	Arboretum	Coal dust	TPT	Black thick dust seltles daily on vehicles and windows, kennels and all around the yard. The dust finds its way into our home leaving a thick layer on tables and counters. 11 month old baby crawls around and is immeditely black hands and knees. Eve 1 hour after mopping and cleaning. Sinus and allergies...not sure if related https://drive.google.com/open?id=1ckMBXA_9BDnbXhLVINWuuTqKxHnp8jbS	83
237	2022/09/08 18:30	Veldenvlei	Coal dust	TPT	Black coal dust on furniture, floors Congestion, sneezing	83
238	2022/09/08 18:32	Arboretum	Coal dust	TPT	Dust from the harbour blows in and sits on cars and roofs Cornic chest and breathing	83
239	2022/09/08 18:44	Veldenvlei	Coal dust	TPT	Black dust settling everywhere in household. Health problems such as sore throat, sneezing, runny nose, sore chest, headaches, fatigue and shortness of breath. These symptoms are ongoing.	83
240	2022/09/08 19:20	Arboretum	Coal dust	TPT	Dust inside and outside. Child is sick daily. Constant battle with congestion and heavy chest. Constant chest and sinus issues	83
241	2022/09/08 19:34	Arboretum	Coal dust	TPT	Black coal dust in the swimming pool and all patio areas Burning of eyes and head aches	83
242	2022/09/08 20:16	Arboretum	Coal dust	TPT	Black dust in the pool daily, allergy and sinus issues affecting our health, black dust inside the house on windy days that covers the floors and counters/furniture. Children can't play outside. Our cars need to be washed constantly My son has dust allergies and the back dust affects his asthma and our sinuses	83
243	2022/09/08 20:31	Arboretum	Coal dust	TPT	Constantly dusting black dust from my furniture Have been coughing and struggling breathing for almost 2 weeks	83
244	2022/09/08 21:44	Arboretum	Coal dust	TPT	As i am staying in the property I inhale all the dust and gas from the firms Since I started to stay in Arboretum my throat is soar and I have sinus now which I've never had before.	83
245	2022/09/09 06:43	Arboretum	Coal dust	TPT	Impossible to keep my house clean. Yes, respiratory functionality, Constant coughing. Both my Wife and I.	83
246	2022/09/09 08:32	Arboretum	Coal dust	TPT	The dust in the windows and the pool which very black My child and I are almost sick every week as we are very sensitive to dust	83
247	2022/09/09 10:41	Arboretum	Coal dust	TPT	Everything get contaminated with black dust. Inside the house one can wipe the black fist now and a hour later you can wipe again and tge cloth show black again.	83

No	Date	Region	Type	Source	Description	Response
					To keep te swimming pool clean even more of a problem. Sins we had this pool, I never battled so mush with green algae as with the last two years. Not sure if the Cole dust is causing a ph problem. Cars standing under a carport is covered with black dust all the time. Not health problems ar the moment no.	
248	2022/09/09 10:50	Arboretum Ext	Coal dust	TPT	Coal Dust: Given the recent intolerable living conditions occurring around the area I reside in, I feel it prudent to place on record my grievances associated with the commercial activity causing pollution in the air, specifically coal dust. My name is (POPIA) and I am a resident at (...) in arboretum extension, I have always noticed a black dust on my surfaces internally and externally for many months however these recent few months have become unbearable necessitating some Intervention. This seems to be an ongoing issue and i wipe my surfaces daily only to find it laden with black fine dust by the evening. Outside is a even worse situation my walls, window sills and items left outside are covered in black dust and it's quite alarming as this residual dust in the air is causing severe health issues to the detriment of my family and myself I have a 4 year old son who constantly has a heavy chest now, together with my husband who is facing the same fate. As for myself I have always suffered with allergies dust being a major one since childhood these circumstances have caused severe strain on my respiratory system, i am now facing chronic sinus infections and been on antibiotics, nasal decongestants and even reached a point of now wheezing which has never happened to me before. At first we couldn't establish the cause of being so ill all the time but after seeing what is circulating in our air and settling on the surfaces we understand the cause. I have spent significant amounts of Money on medical bills and medication and now being faced with having to take medication daily for sinus and allergies and it is affecting my tummy and worsening a condition I have. I humbly ask for your intervention in this matter as the residents around the area have had enough of this, we have little children who are breathing this air daily, they are unable to play outside cause they come back in looking like a "coal mine worker" if this commercially linked then the companies need to take stringent measures to safeguard the community or shut down their operation and move to a location that is isolated from any existence as this is inhumane to subject residents to these unfavorable conditions. I have attached pictures of a typical day in our home. Attachment 1: my hand after swiping my dining room table Inside my house. Attachment 2: my hand after swiping my window sill outside my house . Attachment 3: the allergic reaction suffered by this dust, amidst other symptoms that are becoming unbearable “ (NB: Pictures attached on email from RBCAA 2022/09/12 17:13:00)	83

No	Date	Region	Type	Source	Description	Response
249	2022/09/09 10:51	Arboretum	Coal dust	TPT	Everything outside is covered in black dust. If we leave windows open just for a day Everything in the house gets covered in black dust. The bottom of our pool is covered in black dust. Sneezing and sinus infections of the whole family https://drive.google.com/open?id=1NJGJcZ5mrA18yKnZXG5-d05cgK5UoS6N	83
250	2022/09/09 11:24	Veldenvlei	Coal dust	TPT	For past few months we've been cleaning black dust everyday in the house, my kids and I have been battling with sinus, coughing and headaches of which my youngest ended up collapsing because she was struggling to breath after few weeks of coughing and having short breath. As a result this black dust is very concerning for our health. My family is been battling with sinuses and coughing and my 10 year old daughter collapsed at school on the 8th September 2022 due to lack of oxygen https://drive.google.com/open?id=18SocKtYiET_u3kMdVBKRRvE71-ulv4IX	83
251	2022/09/09 12:22	Meerensee	Coal dust	TPT	Black, sticky dust, covering the roof and everything, severe asthma and allergic reactions, hefty doctor's and chemist accounts. Yes, as explained	83
252	2022/09/09 13:34	Arboretum	Coal dust	TPT	My cars and property are covered with fine dust Coughing and congestion	83
253	2022/09/09 19:31	Arboretum Ext	Coal dust	TPT	Property is constantly covered in black dust. I can't hang washing on the line anymore due to the dust. We can't leave windows and doors open unless we want to sweep the house out every day. No	83
254	2022/09/10 05:52	Arboretum	Coal dust	TPT	Dust - black dust everywhere in my house,also have a 1year old crawling Sinus infections - everyone in the house	83
255	2022/09/10 08:38	Arboretum	Coal dust	TPT	Dust everywhere. My house walls looks horrible. My pool.. ect. Was born in 1973 in empangeni. The last 3 year I have chest problems. Can't breathe properly. Chronic noise blok	83
256	2022/09/10 08:44	Arboretum	Coal dust	TPT	Black dust on cars, black dust indoors on all surfaces. I currently have what I believed to be a cold. It's been going on for 2 weeks now, with lots of phlem, coughingand sneezing. I cannot for certain say if it is caused by coal dust or not. https://drive.google.com/open?id=14GDmjUaHMLL71yW8WHUSjLOYHP4COWL	83
257	2022/09/10 08:59	Arboretum	Coal dust	TPT	Have black/gray dust on my Windows, floors outside, roof when it rains the black dust sliver my house outside stops...Our son is forever having breathing issues to an extend we took him off creche medical advice..... Forever blocked since moving here....skin rushes	83
258	2022/09/10 12:40	Birdswood	Coal dust	TPT	If i wasg the patio after 30 min it is dirty again... my 2 year old can walk there and if he comes in his feet and hand are black Took my kids to clinic and they are both sick with a cheast that closed... my baby is	83

No	Date	Region	Type	Source	Description	Response
					only 3 months old https://drive.google.com/open?id=1YDM--25Qz2VRaIDR_dAjLZwicMF5lgop	
259	2022/09/10 15:53	Arboretum	Coal dust	TPT	Everyday is a struggle even if windows are closed the next morning its black dust Stomach issues, breathing issues, coughing a lot	83
260	2022/09/10 16:54	Arboretum	Coal dust	TPT	Coal dust is everywhere in the house. After sweeping, washing all the floors yesterday in the morning, by evening floor especially is covered in coal dust..it doesn't matter if the wind is blowing or not nor if the windows are closed or open. It is shocking, we all wear socks in the house otherwise our feet are pitch black. Yes my husband and I both have compromised lungs and I have asthma. I have been battling for the last few weeks and have to nebulise three times a day. My husband has also found he is coughing permanently lately..we both have had watery, sore eyes.	83
261	2022/09/10 18:34	Meerensee	Coal dust	TPT	Apart from the black dust on all surfaces, it affects my breathing. Not all the time, just when the wind blows from a specific direction. I'm unable to fill my lungs fully with air, I have to force a yawn to breathe fully, or consciously take a deep breath. I am a runner and it's particularly disconcerting when I can't get enough oxygen while running As per above	83
262	2022/09/10 19:59	Birdswood	Coal dust	TPT	Our back veranda is constantly black with coal dust, you cannot walk bare foot otherwise your feet are filthy. Our 4 year old is constantly sick, this year alone he has had bronchitis, pneumonia and chest infections every 2 weeks, he has had 10 antibiotics in 9 months it is beyond a joke. His respiratory system has taken a huge knock and is now on asthma prevention medication due to the air.	83
263	2022/09/11 16:27	Arboretum	Coal dust	TPT	Our trampoline and jungle gym is covered in black dust daily! And our pool constantly has black sludge at the bottom. Our floors & counter tops always have black dust on it. Our kids are struggling with running noses & lingering coughs. Yes. Runny noses & lingering coughs.	83
264	2022/09/12 07:43	Alton	Coal dust	TPT	If windows are left open a thick layer of coal dust settles on all surfaces as well as our cars outside cant be kept clean. Health effects: No	83
265	2022/09/12 11:16	Arboretum	Coal dust	TPT	Cannot keep windows open. Dust on windows, tile floors, curtains, car, plants Coughing when at home	83
266	2022/09/12 12:22	Meerensee	Coal dust	TPT	Black Coal dust on floors, windowsills Not yet	83
267	2022/09/16 13:28	Veldenvlei	Clinical + Odour	Localized source	Children and teachers being affected by noxious fumes emanating from the adjacent house from where a business is being conducted. On receiving the complaint I immediately went out to the school and although the adjacent business owner has moved the exhaust away from where it was, depending on the wind direction the fumes are still impacting on the pre-school. I could not see the exhaust from where I was standing, however I did smell the fumes and it was	85

No	Date	Region	Type	Source	Description	Response
					extremely noxious. I was immediately nauseated. The RBCAA has notified the CoU Air Quality Management Unit and requested feedback on their previous investigation (See attached). (NB: email S.Camminga 2022/09/18 12:37)	
268	2022/09/21 11:18	Alton	Coal dust	Unknown Source - further investigation required	Mondi would like to log a complaint regarding coal dust effecting the quality of our pulp and paper products currently stored at an external warehouse in Bronze Bar Road, Alton. Photographs attached. This contamination opens us up to both financial and reputational risk with our customers.	1
	October 2022					
1	2022/10/15 18:55	Veldenvlei	Odour	Mondi	Pungent "Guava" odour is being experienced.	86
2	2022/10/16 06:13	Arboretum	Clinical + Odour	Mondi	a "Very putrid smell hangong in the air around Loerie Park" Described as a 'Sour sulphur' smell causing a sinus reaction.	87
3	2022/10/17 10:25	Veldenvlei	Clinical + Odour	Localized source	As per previous complaints, the neighbours at 36 Disa Dives are cutting materials which are causing extremely bad smells again which are in turn causing nausea and sore throats. This has now been done on a daily basis from Monday 17 October from approximately 10:25 daily. The exhaust is not visible but they do have the garage windows open. As we operate a registered school next door at 32/34 Disa dives, we are unable to send our babies out to play which is not healthy for them as well." The RBCAA has forwarded the complaint to the local Municipality. (NB: complaint refers to 17, 18 and 19th October)	85
4	2022/10/21 09:13	Wildenweide	Clinical + Odour	Mondi	Foul "cat urine" type odour causing nausea.	88
5	2022/10/21 11:29	Alton	Odour	Localized source	Gas smell in Alton North around Bluff meat supply. One company had to invac. Odour dissipated by 11h59.	1
6	2022/10/22 00:00	South 32 Area	Visible	South32	Excessive emissions	91
7	2022/10/22 00:00	Arboretum	Odour	Unknown Source - further investigation required	There is a bad smell in the air with a alarm which we think comes from Foskor.	90, 1
8	2022/10/22 00:00	Arboretum Ext	Odour	Unknown Source - further investigation required	Hi Henning. There us s bad smell l'm the air l Arboretum ext and Foscor alarm has been going off for 15 minutes. When they are phoned people are told it's a false alarm	90, 1
9	2022/10/22 00:00	Arboretum Ext	Odour	Unknown Source - further investigation required	Alarm at FOSKOR But there is a Smell	90, 1
10	2022/10/22 00:00	Arboretum	Odour	Unknown Source - further investigation required	They say its a false alarm but it's real gas leak.... Don't lie to the people.... Do the right thing.... How is it possible to have a false alarm followed by gas smell like sulphur...	90, 1

No	Date	Region	Type	Source	Description	Response
11	2022/10/22 00:00	Arboretum	Odour	Unknown Source - further investigation required	Funny gas smell/odour coming from Foskor, it's alarming and threatening because there is a loud warning alarm from Foskor and their gas I understand is a life threatening	90, 1
12	2022/10/22 00:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	This morning the air smelled bad, like exhaust fumes 22 Oct. Now there is a fault with the Foskor siren going off - noise pollution of note!! Once again the air stinks like exhaust fumes and my throat is burning	90, 1
13	2022/10/22 00:00	Arboretum	Odour	Unknown Source - further investigation required	Foul smell and Foskor alarm going off for extended time period. Just received a message on Municipal group stating that it is due to a instrumentation problem however that does not explain the gassy smell and I suggest that investigation be done into when last an inspection was done on this "alarm instrument".	90, 1
14	2022/10/22 00:00	Arboretum	Clinical + Odour	Unknown Source - further investigation required	My wife has a allergy reaction to the immisions being released which results in her face and eyes swelling up and experiencing breathing problems. We are practically living on antihistamines and me on asthma meds.	90, 1
15	2022/10/22 00:00	Arboretum	Odour	Unknown Source - further investigation required	There was a foul smell in Arboretum which smelt like Sulphur, it was a strong smell which lingered for a while, this was at about 16:00. Foskor alarm then went off for a while.	90, 1
16	2022/10/22 18:14	Foskor Area	Odour	Unknown Source - further investigation required	The RBCAA was informed by members of the community that there was odour at the time of the alarm	90, 1
17	2022/10/27 05:08	Arboretum	Clinical + Odour	Mondi	"Rotten egg" smell causing chest to close.	89
November 2022						
1	2022/11/29 11:20	South 32 Area	Clinical	Foskor	"Hillside is lodging a complaint on behalf of 2 employees who reported breathing difficulties while working at the compressor area of our plant (south of Reduction, near Casthouse). They reported to the clinic. Hillside Emergency Services conducted air sampling via handheld monitors around 11h20 and picked up SO2 readings near the same area. Live weather data is presented. More information will be presented when it becomes available."	92, 93
2	2022/11/29 11:30	Foskor Area	Visible	Foskor	Abnormal Emissions emanating from the Foskor facility. Further reported that workers had to be evacuated.	92, 93
December 2022						
1	2022/12/06 00:00	Wildenweide	Odour	Mondi	Pungent Mondi odour since about 21:00	94
2	2022/12/06 00:00	Birdswood	Odour	Mondi	Pungent Mondi odour since about 21:00	94
3	2022/12/06 21:00	Veldenvlei	Odour	Mondi	Pungent Mondi odour since about 21:00	94

No	Date	Region	Type	Source	Description	Response
4	2022/12/20 00:00	Meerensee	Odour	Mondi	"Cat urine" odour. Odour was present at 6am and still lingering at 08:00	95

Table 2: Responses

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
3	South 32 Gerber Alison responded (2022/01/05 13:57): Investigation: Logistics: Vessel offloading started late 2 Jan. No issues recorded for transfer of alumina on overland conveyor. GTCs & FTCs: No issues noted in the shift reports and no stack emissions noted. No filters identified for leak investigation. Root cause: No event or process interruption has been identified that could have resulted in the dust fall out on the 2 January. Hillside has noted a link between rainfall and increased dust fall out complaints. As a responsible corporate citizen, Hillside remains committed to ensuring the well-being of our surrounding communities. RBCAA: re-suspension of dust allocated to South32
4	Mondi Candice Webb responded (04/02/2022 10:05): Source of Odour: Fugitive non-Condensable Gases due to start-up of the mill. Description of Incident: During the evening of 29 January 2022, the Mondi mill was in process of starting up the mill. Non-condensable gases were diverted to the Flare and MODO for incineration as per design. It is most likely that fugitive emissions as a result of mill instability resulted in the increase in ambient odour and subsequent complaint.
5	Foskor Billy-Joe Du Preez responded (04/02/2022 13:56): Immediate Actions Taken: Environmental officers were sent out to record SO₂ levels around Foskor. Supervisors were asked to review systems and report any acid leaks. Incident Root cause Unknown Corrective/Preventative Actions: Systems were reviewed for any abnormalities General comments: Foskor acknowledges the recent challenges relating to the Sulphuric Acid Plants and is working tirelessly to ensure that the issues are completely addressed. Note: Incident investigation report provided. New response from Nkosinathi Mqadi on 13/04/2022 17:53
6	South 32 Gerber Alison responded (2022/02/22 11:21): Investigation: • There were no abnormal occurrences reported during the period 1 – 5 January that could have resulted in an emission that would cause the affect documented by the complainant. • No SO₂ or HF Exceedances noted for the period. Conclusion: No event or process at Hillside could have resulted in the impact on the vegetation documented.
7	Mondi Candice Webb responded (22/02/2022 13:40): Fugitive non-Condensable Gases due to start-up of the mill. During the evening of 17 February 2022, the Mondi mill was in process of starting up the mill after an unplanned outage. Non-condensable gases were diverted to the Flare and MODO for incineration as per design. It is most likely that fugitive emissions as a result of mill instability resulted in the increase in ambient odour and subsequent complaint.
8	Foskor Billy-Joe Du Preez responded (23/02/2022 03:48): There was a gas leak emanating from the C plant's super heater . The super heater is meant to There was a gas leak emanating from the C plant's super heater. The super heater is meant to keep the SO₂ gas at optimum temperature for its efficient conversion to SO₃. Corrective Actions Contractors have been instructed to install scaffolding on site to prepare for the repairing of the super heater to mitigate the gas leak.

Response	Industry Feedback
9	Foskor Billy-Joe Du Preez responded (23/02/2022 04:16): The complaint could be linked to high levels of SO ₂ emissions caused by the acid leak at the final cooler tubes. On 2nd of February 2022, the Sulphuric Acid B Plant was shut down at 20:16 to repair an acid leak at the final cooler tubes. NB: refer to Incident investigation report attached to email.
10	Foskor Billy-Joe Du Preez responded (23/02/2022 04:16): The complaint could be linked to high levels of SO ₂ emissions caused by the acid leak at the final cooler tubes. On 2nd of February 2022, the Sulphuric Acid B Plant was shut down at 20:16 to repair an acid leak at the final cooler tubes. NB: refer to Incident investigation report attached to email.
11	Foskor Billy-Joe Du Preez responded (23/02/2022 04:16): The complaint could be linked to the following issues Foskor experienced on 03 February 2022 . There was a gas leak at the Sulphuric Acid A Plant Exchanger on the interpass outlet section. The following repairs took place: Repaired a gas leak on interpass Outlet section at the Exchanger. NB: refer to Incident investigation report attached to email.
12	Foskor Billy-Joe Du Preez responded (23/02/2022 03:49): On 18 January 2022 Sulphuric Acid B Plant were shut down at approximately 06:43 to repair a minor acid leak in the Final Cooler ducting, Burner temp was 800°C at this point. B Plant was then started at approximately 15:38 after the repairs were done. This is the only abnormal occurrence recorded for Sulphuric Acid section on 18 January 2022. NB: refer to Incident investigation report attached to email.
13	Foskor Billy-Joe Du Preez responded (23/02/2022 03:47): There was a gas leak emanating from the C plant's super heater . • The super heater is meant to keep the SO₂ gas at optimum temperature for its efficient conversion to SQ3. • Corrective Actions Contractors have been instructed to install scaffolding on site to prepare for the repairing of the super heater to mitigate the gas leak. NB: refer to Incident investigation report attached to email.
14	Foskor Billy-Joe Du Preez responded (23/02/2022 03:47): There was a gas leak emanating from the C plant's super heater . • The super heater is meant to keep the SO₂ gas at optimum temperature for its efficient conversion to SO₃. NB: refer to Incident investigation report attached to email.
15	Foskor Billy-Joe Du Preez responded (23/02/2022 04:18): Root cause of complaints could be linked to leaks in the scrubber ducting of Sulphuric Acid A Plant . The Sulphuric Acid A Plant was started at 04:00 in the morning, during start-up it was discovered that there were leaks in the scrubber ducting, which might have contributed to the SO ₂ exceedances recorded at RBCAA stations. The leaks were immediately attended to. NB: refer to Incident investigation report attached to email.
16	Foskor Billy-Joe Du Preez responded (23/02/2022 04:18): The incident was reported to the relevant Foskor personnel and personnel immediately attended to the situation in the Sulphuric Acid Plants • Routine inspection on Sulphuric Acid ducting increased . • Maintenance was performed on the entire structure to prevent future acid leaks . NB: refer to Incident investigation report attached to email.
17	Foskor Billy-Joe Du Preez responded (23/02/2022 04:18): The cause of the complaints might be linked to the Final Tank Acid leak Foskor experienced on 23 January 2022. The Sulphuric Acid B Plant was stopped at 07:50 to address the Final Tank acid leak above the balancing line. Shortly after the 07:50 shut personnel also attended to gas leaks on Economizer #2 Outlet Ducting. Sulphuric Acid B Plant was restarted later, however the Acid B Plant experienced a breakdown at 14:57. The Sulphuric Acid B Plant was then restarted at 20:35. NB: refer to Incident investigation report attached to email.
18	Foskor Billy-Joe Du Preez responded (23/02/2022 04:18): On the 22 January 2022, the cause of the complaints could have been caused by the gas leaks from Sulphuric Acid A Plant Economizer No.1 and Superheater. At 11h30 the Sulphuric Acid A Plant was shut for gas leak repairs and mitigation of the risk. The following repairs were done: Repair Gas Leak on the Economiser No1 & Superheater at the Sulphuric Acid A Plant and the repair of gas Leak at Sulphuric Acid A Plant Converter. NB: refer to Incident investigation report attached to email.
19	Foskor Billy-Joe Du Preez responded (23/02/2022 04:18): The cause of the complaints might be linked to the Final Tank Acid leak Foskor experienced on 23 January 2022. The Sulphuric Acid B Plant was stopped at 07:50 to address the Final Tank acid leak above the balancing line. Shortly after the 07:50 shut personnel also attended to gas leaks on Economizer #2 Outlet Ducting. Sulphuric Acid B Plant was restarted later, however the Acid B Plant experienced a breakdown at 14:57. The Sulphuric Acid B Plant was then restarted at 20:35. NB: refer to Incident investigation report attached to email.
20	Foskor Billy-Joe Du Preez responded (23/02/2022 04:18): On 24 January 2022 Sulphuric Acid Plant supervisors did not report any visible gas leaks in the Sulphuric Acid section.

Response	Industry Feedback
	• RBCAA did not record any SO₂ exceedances near Foskor via monitoring stations . • No internal complaints were received by Occupational Health personnel. NB: refer to Incident investigation report attached to email.
21	Foskor - Billy-Joe Du Preez responded (23/02/2022 04:18): Root cause of complaints could be linked to leaks in the scrubber ducting of Sulphuric Acid A Plant . The Sulphuric Acid A Plant was started at 04:00 in the morning, during start-up it was discovered that there were leaks in the scrubber ducting, which might have contributed to the SO ₂ exceedances recorded at RBCAA stations. The leaks were immediately attended to. NB: refer to Incident investigation report attached to email.
22	Foskor - Billy-Joe Du Preez responded (23/02/2022 04:18): On the 22 January 2022, the cause of the complaints could have been caused by the gas leaks from Sulphuric Acid A Plant Economizer No.1 and Superheater. At 11h30 the Sulphuric Acid A Plant was shut for gas leak repairs and mitigation of the risk. The following repairs were done: Repair Gas Leak on the Economiser No1 & Superheater at the Sulphuric Acid A Plant and the repair of gas Leak at Sulphuric Acid A Plant Converter. NB: refer to Incident investigation report attached to email.
23	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:45): Cause of the incident are related to Sulphuric Acid C Plant stoppages and start-ups experienced the previous day. NB: refer to Incident investigation report attached to email.
24	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:45): On the day of the incident Foskor did not have any gas leaks or exceedances . NB: refer to Incident investigation report attached to email.
25	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:45): There was a gas leak emanating from the Sulphuric Acid C plant's super heater . • The super heater is meant to keep the SO ₂ gas at optimum temperature for its efficient conversion to SO ₃ . NB: refer to Incident investigation report attached to email.
26	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:41): The investigation included standby personnel that was on duty over the weekend. We concluded that the SO ₂ exceedances are a result of a minor weak acid leak in a banded area. The leak occurred over the weekend in Sulphuric Acid A Plant weak acid section. The leak was immediately picked up by internal sensors and the supervisors were alerted. The leak was addressed on the same day (2nd of January 2022), but some of the weak acid reacted with the ceramic material of the banded area and became airborne. NB: refer to Incident investigation report attached to email.
27	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:40): On the day of the incident Foskor did not have any gas leaks or exceedances . NB: refer to Incident investigation report attached to email.
28	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:40): Sulphuric Acid C Plant acid profile was not optimal, the start-up of Sulphuric Acid C Plant on 6th of January 2022 was a cold start-up. Start-up operations could be the cause of the SO ₂ exceedances. Turbine was surging and acid flow was weak. NB: refer to Incident investigation report attached to email.
29	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:40): Sulphuric Acid C Plant was stopped and started twice to test newly installed mechanical parts. Some of the maintenance operations included scrubber activity and we believe that this could have resulted in minor gas releases from 09:30 12:00. Foskor may have contributed to the below exceedances based on wind direction. NB: refer to Incident investigation report attached to email.
30	Foskor - Billy-Joe Du Preez responded (23/02/2022 03:40): Cause of the incident are related to Sulphuric Acid C Plant stoppages and start-ups experienced the previous day. NB: refer to Incident investigation report attached to email.
31	Foskor - Nkosinathi Mqadi responded (24/02/2022 16:48): Root cause of incident: Nonoptimal acid strength during sulphur processes. The complaint was linked to acid strength on the Sulphuric C plant.
32	Foskor - Billy-Joe Du Preez responded (24/02/2022 03:49PM): ALL our plants have been purged and offline for the last week. Our Safety Officers are proactively doing their daily checks with no findings for the past week. NB: refer to Incident investigation report attached to email. NB: response not accepted by RBCAA. New response from Nkosinathi Mqadi responded (13/04/2022 17:53): Root cause Known.
33	Foskor - Billy-Joe Du Preez responded (24/02/2022 03:49PM): Sulphuric Acid Plants A and B were down for routine maintenance on 5 February 2022 and C Plant was operating within the minimum emission standards. No gas leaks were reported on the 6th of February 2022. NB: refer to Incident investigation report attached to email. response not accepted by RBCAA. Foskor requested to review their finding (01/03/2022 12:08).

Response	Industry Feedback
34	Foskor - Billy-Joe Du Preez responded (24/02/2022 01:20PM): Sulphuric Acid Plants A and B were down for routine maintenance on 7 February 2022 and C Plant was operating within the minimum emission standards. No gas leaks were reported on the 7th of February 2022. NB: refer to Incident investigation report attached to email. response not accepted by RBCAA. Foskor requested to review their finding (01/03/2022 12:08)
35	Foskor - Billy-Joe Du Preez responded (24/02/2022 01:20PM): Sulphuric Acid Plants A and B were down for routine maintenance on 5 February 2022 and C Plant was operating within the minimum emission standards. No gas leaks were reported on the 5th of February 2022. NB: refer to Incident investigation report attached to email. response not accepted by RBCAA. Foskor requested to review their finding (01/03/2022 12:08)
36	Foskor - Billy-Joe Du Preez responded (20/01/2022 08:03): Sulphuric Acid B Plant was stopped on the 17th of January 2022 at 10:15 AM to attend to the Water break on Economiser #2 and other acid leaks and gas leaks. The plant was started at 20:53 PM with turbine and start up scrubber online. At around 22:39 PM bad stack visibility was noticed on A&B stack. Below are the causes and contributing factors to the incident: Water was entrained in the gas section of the plant after the water break in Economiser #2, as a result it was carried over to the absorption towers (IPAT & FAT) on plant start up. Water carryover to the absorption towers was working against the acid strength control system, this pushed the acid strength out of the optimum absorption range which reduced the towers efficiency resulting in the noticed bad stack plume. Immediate action taken: 1. Plant stopped and purged 2. Drained all oleum gas boxes 3. Replaced all contaminated acid with fresh acid in the section
37	Foskor - Billy-Joe Du Preez responded (03/03/2022 04:15PM): We have checked the plant parameters (Acid flows, temperature and strength) are all within specification. We also did a stick test on the Tower outlet to stack and there is no evidence of carryover. • On the gas section side there is no evidence of water break, all oleum drains are dry. Last possible check would be to stop and conduct an internal inspection of the tower which would require a special acid resistant moon suit, an order has been placed and we are expecting the moon suit to be delivered soon. Committed delivery date was 26 February 2022. NB: RBCAA requested additional information (03/03/2022 17:38)
38	Foskor - Billy-Joe Du Preez responded (10/03/2022 11:16): It was decided that the low level "smoke" in the vicinity were cause by the steam that was released in the Sulphuric Acid C Plant. Sulphuric Acid Plant released steam because the phosphoric Plants were offline and could not utilize the steam that was made in Sulphuric processes. We have checked the plant parameters (Acid flows, temperature and strength) are all within specification.
39	Foskor - Billy-Joe Du Preez responded (10/03/2022 11:16): Root cause of the "gas" haze was a result of gas emissions at Sulphuric Acid A Plant converter area.
40	Foskor - Billy-Joe Du Preez responded (08/03/2022 10:44): Root cause of visible stack are related to moisture ingress. Sulphuric Acid C Plant process parameters were checked and monitored throughout the day. Final Tower acid flow was observed to be at a minimum but within allowable range. This could have caused moisture ingress causing stack visibility.
41	Foskor - Billy-Joe Du Preez responded (14/03/2022 14:19): Supervisors were informed. • A thorough inspection was done on Sulphuric Acid A Plant and Sulphuric Acid C Plant. • Security guards were asked if they have noticed an odour today, personnel walked to the contractor parking lot, we investigated for an odour smell. Contractor parking lot can be found between Sulphuric Acid C Plant and John Ross Parkway. • No internal complaints were received from Phosphoric Acid Plant or Granulation. Incident Root cause • Unknown
42	Mondi - Candice Webb responded (23/03/2022 12:07): Source of Odour Non-Condensable Gases. Metrological Conditions RBCAA Brackenham monitoring station Average wind direction at RBCAA Brackenham station during time of the complaint = 231o Min = 162o Max = 327o. Average wind speed = 2.8 m/s. During the morning of 17 March 2022, the Mondi Environmental Manager was contacted at around 09:10 by the RBCAA and local municipality regarding strong odour in the CBD. Mondi immediately conducted an investigation and identified a valve on the non-condensable gas line was in the open position when it should have been in closed position. This resulted in malodorous gases being released directly to atmosphere. The responsible operator closed the valve at 09:20 and gases were diverted back to the lime kiln for incineration. NB: refer to Incident report supplied.
43	Foskor - Billy-Joe Du Preez responded (23/03/2022 15:24 and 15:29): Findings on increased Stack Visibility. 1. After Final Tower failure in December 2021, broken pieces of ceramics are still blocking up the FT spouts, which will affect the absorption contact area. Plant has already been stopped 3 times to clean out spouts.

Response	Industry Feedback
	Continuous cleaning still needs to take place when opportunities arise. 2. High gas temperatures to absorption Towers, due to low water flow through the Economizers. The increased fouling of the WHB Tubes has resulted in poor steam production at high rates, thus the low water flow through the Economizers. 3. High acid temperature at high rates. This is a result of the high gas temperatures entering the absorption towers 4. Plugged Economizer tubes also contributing to high gas temperature to absorption towers 5. Cold Heat Exchanger tube leaks is also contributing to stack appearance. For efficient absorption, correct acid strength is required, acid temperature and correct flow. Acid strength is in specification, temperature is slightly high at higher rates, flow is slightly lower at high rates due to TIC 135 closing. Even with correct flow, contact of acid and Gas must be maximized. Blocked/partially blocked spouts can affect contact area. During the planned annual shut of C Plant, the WHB, Cold HE and Economizers will be replaced.
44	Foskor - Nkosinathi Mqadi responded (05/04/2022 10:54): It is believed that the root cause of the Bad C Stack was due to high production rates. High acid temperature at high rates could also have contributed to stack visibility. This is a result of the high gas temperatures entering the Absorption towers.
45	South 32 - Gerber Alison responded (2022/04/12 13:50): Please see attached report for the 7 Feb complaints. Hillside had no abnormal occurrences that could have generated the sharp odour as described and the related symptoms. NB: refer to Incident investigation report attached to email.
46	South 32 - Gerber Alison responded (2022/04/12 14:05): No alarm was sounded at Hillside on the 3 Feb 2022. There were no abnormal occurrences / process upsets reported at Hillside on the day. All emissions were within legislated limits.
47	South 32 - Gerber Alison responded (2022/04/12 14:13): There were no abnormal occurrences or process upsets on 4 Feb. All emissions were within permitted levels.
48	South 32 - Gerber Alison responded (2022/04/12 14:24): No abnormal occurrences or process upsets were reported at Hillside on 5 Feb. All emissions were within permitted levels.
49	South 32 - Gerber Alison responded (2022/04/12 14:30): We had no abnormal occurrences or process upsets on 8 Feb. All emissions were within permitted levels.
50	South 32 - Gerber Alison responded (2022/04/12 14:33): There were no abnormal occurrences or process upsets on 12 Feb. All emissions were within permitted levels.
51	Foskor - Nkosinathi Mqadi responded (13/04/2022 17:53): We have checked the plant parameters (Acid flows, temperature and strength) are all within specification. We also did a stick test on the Tower outlet to stack and there is no evidence of carryover. •On the gas section side there is no evidence of water break, all oleum drains are dry.
52	Foskor - Nkosinathi Mqadi responded (13/04/2022 17:53): Root cause of the complaints are unknown. NB: Incident investigation available on email attachment.
53	Foskor - Nkosinathi Mqadi responded (22/04/2022 08:44): After Final Tower failure in December 2021, broken pieces of ceramics are still blocking up the FT spouts, which will affect the absorption contact area. Plant has already been stopped 3 times to clean out spouts. Continuous cleaning still needs to take place when opportunities arise. NB: Incident investigation available on email attachment.
54	Foskor - Nkosinathi Mqadi responded (21/04/2022 13:25): This e-mail serves as a response to the complaint received from a member of the public through RBCAA on Tuesday, the 19th of April 2022. Sulphuric Acid Plant Supervisors informed Environmental Section that there were no abnormalities or upset conditions from all 3 Sulphuric Acid plants thus Foskor cannot have been responsible for the haze that occurred in Arboretum in the early hours of the morning. NB: RBCAA responded (22/04/2022 09:26): New investigation requested.
55	Grindrod - Bheka Ndlovu responded (06/05/2022 07:54): Excessive black dust was observed from the John Ross Highway, immediately north of the northern stock pile. This was as a result of Front-End Loader operations to open coal hotspots on the northern stockpile. During these operations, a lot of ash and dust is generated when the hotspots are opened up to cool down. In these cases, it is difficult to add dust suppression to the coal, since the water further ignites the burning coal, hence solving one problem and creating another. NB: Incident investigation available on email attachment.
56	Mondi- Candice Webb responded (13/05/2022 12:00): Operators were asked to undertake odour checklists and an operator in Fibre line identified that Blow Tank 3 was venting due to a faulty seal. Production rates were reduced so that the seal could be repaired on the same shift. NB: Incident investigation available on email attachment.

Response	Industry Feedback
57	Mondi - Candice Webb responded (13/05/2022 12:00): Root cause was identified as build-up of condensate in the pipeline. The Condensate was drained and Flare temperature returned to normal. NB: Incident investigation available on email attachment.
58	Mondi - Candice Webb responded (13/05/2022 12:00): Based on ambient TRS recorded at the Alton Station prior to the complaint, it is possible that the Mondi Secondary Effluent Treatment Plant was the cause of the odour. Mondi switched off the SETP and ambient odour decreased. NB: Incident investigation available on email attachment.
59	Mondi - Candice Webb responded (13/05/2022 12:00): Source of Odour: Soft Wood Non-Condensable Gas System. NB: Incident investigation available on email attachment.
60	Mondi - Candice Webb responded (13/05/2022 12:00): Source of Odour: Mondi Effluent Treatment Plant. NB: Incident investigation available on email attachment.
61	Mondi - Candice Webb responded (13/05/2022 12:00): Source of Odour: Methanol recirculation. NB: Incident investigation available on email attachment.
62	Tongaat Hulett - Nicolas Govender responded (24/05/2022 15:53): The operational staff responded to the complaint and checked the boiler 1 scrubber. Two scrubber weir holes was blocked causing low water flow. NB: Incident investigation available on email attachment.
63	Foskor - Sandile Mdamba responded (30/05/2022 16:42): Increased Stack Visibility at Sulphuric Acid Plant. NB: Incident investigation available on email attachment.
64	Mondi Candice Webb responded (30/05/2022 15:45): Wind direction was NW both prior and during the time of the complaints. However based on low wind speed and complainants description of the odour it is possible fugitive emissions during the course of the night could have contributed to the complaints in the early hours of the morning. NB: Incident investigation available on email attachment.
65	Mondi - Candice Webb responded (30/05/2022 15:45): Source of Odour: Mondi Flare. NB: Incident investigation available on email attachment.
66	Mondi - Candice Webb responded (30/05/2022 15:45): Source of Odour: Secondary Effluent Treatment Plant. NB: Incident investigation available on email attachment.
67	Mpact - Yolande Schoeman responded (03/06/2022 13:54): Mpact did not perform any activities on Sunday 29 May 2022 that could of been the source of the “ effluent” odour detected in Felixton Village or the TRS exceedances experienced at the village monitoring station. NB: Incident investigation available on email attachment.
68	Tongaat Hulett - Nicolas Govender responded (03/06/2022 08:11): No cause identified from TH. NB: Incident investigation available on email attachment.
69	South 32 - Dan Mkhwanazi responded (2022/06/07 08:18): GTC 4 filter 11 had filter bags that had holes and a seal that was leaking. Leaking bags were not identified earlier via filter bag leak trends because Filter 11's leak detection tube was blocked.
70	Mondi - Candice Webb responded (23/06/2022 09:30): No source identified within Mondi. NB: Incident investigation available on email attachment.
71	Foskor - Sandile Mdamba responded (2022/07/18 17:26): Ambient temperature fluctuations (lows and highs between day and night) have been observed and a possible cause especially during winter resulted in moisture appearance at the tip of the stack due to condensation. Stack temperature is between 60-80 degrees Celsius whilst the ambient temperature varies from 8-24 degrees Celsius which lead to condensation due to moisture ingress leading to a cloudy appearance
72	Mondi - Candice Webb responded (2022/07/22 16:07): The investigation identified that a process deviation occurred which caused a pressure increase in our non-condensable gas pipeline and resulted in the release of odorous gases into the atmosphere. Root causes of the incident was identified as human error.
73	South 32 - Dan Mkhwanazi responded (2022/08/19 14:04): on the early Monday morning of 16 Aug, Filter 5 bag was leaking due to a poppet. GTC 3 Filter 5 leak tube is blocked, so Teams were recording 0 mm alumina fall out, where in actual fact there are bags leaking. Filter 5 leak tube needs to be unblocked by the Production Team. Production to check for emissions.
74	Mondi - Candice Webb responded (2022/09/05 08:44): Based on wind direction it is unlikely that Mondi contributed to 17:30 complaint. However, based on wind direction and emissions recorded at Alton station prior to 24:00 it is possible that Effluent plant contributed to the complaint at 24:00.
75	Grindrod-Anzel Horn responded (2022/09/06 16:19): The week and time leading to the complaints, we experienced high winds speeds intermittently throughout the days. The hired water tanker did suppress the dust at Seamunye, inside and outside the main roads as well and then proceeded to our Kusasa site where the tanker continued with spraying of the site. Kindly note that we also have our neighbouring companies that have exposed Stockpiles that can be jointly seen as a contributing factor for the dust seen in and around our Seamunye site.

Response	Industry Feedback
76	City of uMhlathuze Air Quality Management Unit-Mr Ziqubu (2022/09/12 12:36:00): " The skip contained oil contaminated waste from Mondi. At the time of the complaint the skip was opened after being delivered onsite. Upon arrival for inspection at 10h40 the skip was covered."After receiving the feedback from Mr Ziqubu, the RBCAA immediately notified Mondi.
77	Mondi - Candice Webb responded (2022/09/08 15:01): Source of Odour Secondary Effluent Treatment Plant. Based on ambient TRS at Alton monitoring station, the Mondi Secondary Effluent Treatment Plant (SETP) was identified as a potential source. (NB: Incident investigation report attached to email)
78	RBCT-Sihle Shezi responded (2022/09/16 12:13): Based on wind direction and Particulate matter monitoring results for the 3rd of September, RBCT is not responsible for the complaint.
79	RBCT-Sihle Shezi responded (2022/09/16 12:13): Based on wind direction and Particulate matter monitoring results for the 5th of September, RBCT is not responsible for the complaint.
80	RBCT-Sihle Shezi responded (2022/09/16 12:13): Based on wind direction and Particulate matter monitoring results for the 4th of September, RBCT is not responsible for the complaint.
81	RBCT-Sihle Shezi responded (2022/09/16 12:13): Based on wind direction and Particulate matter monitoring results for the 7th of September, RBCT is not responsible for the complaint.
82	South 32 - Dan Mkhwanazi responded (2022/09/14 15:33): Further investigations were done to the plant, conveyor belt and operations to identify the cause of the alumina dust fall out. The following are activities took place: 1. GTC # 3 Filter 13 normal bag investigation was done on the 3rd of September and the bag was changed. The activity did not generate dust. 2. GTC# 1 Filter 11 normal bag investigation was done on the 5th of September and the bag was changed. The activity did not generate dust. From the GTCs and FTCs there were no visible stack emissions in any of our stacks on the 3rd and on the 4th of September. From the above, there was no conclusive activity that could have generated the alumina dust. We will continue to identify/investigate dust fall out and prevent them from occurring. RBCAA - Sandy Camminga responded (2022/09/21 07:05): Please note that the RBCAA will be allocating these complaints to South32 based on the nature of the complaint and met conditions.
83	Transnet Port Terminal- Thandeka Nkosi responded (2022/09/26 15:54): TPT is presently responding to the Coal Market increased export requirement with volumes having increased drastically over the last 6 months. With the increased storage is the potential for emissions as well as emissions from the export activities. The following immediate dust mitigation measures have been put in place to minimize emissions: ▪ Dust is continuously suppressed on road surfaces within the port using a water tanker, ▪ Spillages are being retrieved and recovered back into stockpiles, ▪ Industrial sweeping is taking place on all road surfaces, ▪ Customers have been instructed to cover all cargo in transit, ▪ Customers have been instructed to tarp their stockpiles within the terminal confines with immediate effect, and ▪ A longer-term initiative of wind barriers in the form of netting is being explored and will be installed around the stockpiles to contain the emissions. (NB: letter with response and explanation can be found attached on email)
84	Mondi - Candice Webb responded (2022/10/10 11:35): Mondi takes responsibility for the complaint considering it was our waste stream and our contractors. We did investigate on the day and found that the skip was no longer odorous. However, we have reiterated our requirement to DCLM that all skips must remain covered as per our contractual agreement.

Response	Industry Feedback
85	City of uMhlathuze - Siyabonga Ziqubu responded (2022/09/20 15:28): Please note the Prohibition notice was issued on 25/08/2022 by Air Quality Management Unit the other notice was issued by Land Use Management prohibiting them from operation.
86	Mondi - Candice Webb responded (2022/11/09 15:55): Mondi investigated high ambient TRS at Mondi Landfill station. Source of the TRS was identified at localised odour from the leachate pond which is situated within 15meters of the station. It is unlikely based on wind direction and source of the odour that this contributed to complaint. However, the Mondi Secondary Effluent Treatment Plant (SETP) was identified as a potential source.
87	Mondi - Candice Webb responded (2022/11/09 15:55): 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. The SETP had already been switched off for odour prevention measures at 04:30, however with wet weather conditions it took longer for odour to dissipate.
88	Mondi - Candice Webb responded (2022/11/09 15:55): The Flare TRS levels were elevated and at the time of the complaint the process engineering team had already commenced with process changes to address the TRS. Flare temperature was increased and TRS stabilised.
89	Mondi - Candice Webb responded (2022/11/09 15:55): 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. The SETP had already been switched off for odour prevention measures at 05:00, however with wet weather conditions it took longer for odour to dissipate
90	Foskor- Sandile Mdamba responded (2022/11/15 12:54): The Ammonia detectors were malfunctioning in zone 5 hence the alarms sounded. No offloading activities were taking place at that time that could have caused a foul odour. The ammonia sensor in zone 5 was recently added by our emergency unit as an addition to the ones we had previously as this one can detect SO2 and both ammonia however, what was deduced from this sensor in particular is that it is very sensitive to extreme temperatures/ heat as compared to other sensors. These detectors work on electrochemical sensors which have transducers for measuring partial pressure of gas under atmospheric conditions and these may be affected by heat especially in area of high humidity. There was no ammonia of loading, the sulphuric C plant and A plant was off. Only B plant was running at sulphuric but at minimal rates due to storage capacity of acid. Phos plant was also off as it is on shut Granulation plant is off due to Phos plant shut, plants feed into each other therefore; No source of odour could be identified as to where it might have emanated from, Plants will be monitored closely and timeously to avoid any non-conformances
91	South 32 - Dan Mkhwanazi responded (2022/11/16 12:33): FTC 1 and FTC 2 tripped to emergency bypass after a power dip and compressed air outage.
92	Foskor- Charles Mavuso responded (2022/11/29 13:07 via WhatsApp): workers did not have to evacuate there was a minor fire on our conveyor surge hopper no 12 this was immediately extinguished by our proto team. Foskor- Sandile Mdamba responded (2022/12/02 12:57): Incident Root cause: The fire was as a result of friction on the tail end pulley of the conveyor belt. Corrective/Preventative Actions: The plant was stopped, and the proto team was immediately dispatched to distinguish the fire and the belt was taken out for splicing. General comments: This was a minor fire and no employees were evacuated.
93	Foskor- Sandile Mdamba responded (2022/12/05 14:57): There was no product during the time of the fire; however, there could have been some remnants of sulphur and debris of sulphur as this is the belt that conveys raw sulphur to the melters in the sulphuric plant.
94	Mondi - Candice Webb responded (2022/12/22 11:51): It was identified that Non-condensable gases (NCGs) were diverted to the Flare for incineration as per design at 20:30. However TRS at the flare remained elevated above internal specification until NCGs were switched out of the flare and into the Incinerator once complaints were received. Operator error was identified as root cause.
95	Mondi - Candice Webb responded (2022/12/22 11:51): No root cause was identified, however based on wind direction and description of the odour it was possible that Mondi was the source.

Response	Industry Feedback
96	Mondi - Candice Webb responded (2022/12/27 13:33): Kiln TRS of 12mg/Nm3 recorded at 06:23 due to the TRS scrubber circulation pump tripping. The mill production rates were reduced in order to reduce the volume of gases generated and Kiln TRS returned to below limit at 06:40. The scrubber taken was taken out of operation for cleaning and flushing of the nozzles and circulation pump

APPENDIX G PM₁₀ EXCEEDANCE LOG

There were no measured PM₁₀ exceedances during 2022.

APPENDIX H
PM_{2.5} EXCEEDANCE LOGTable 1: PM_{2.5} Exceedances

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/01/04 00:00	19	17	3.6	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/05 00:00	18	43	4.1	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/21 00:00	20	81	1.7	No response required	Responded: Tongaat Hulett	3
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/22 00:00	17	209	2.2	No response required	Responded: Tongaat Hulett	3
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/24 00:00	18	57	3.3	No response required	Responded: Tongaat Hulett	4
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/25 00:00	21	62	2.3	No response required	Responded: Tongaat Hulett	5
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/26 00:00	22	62	2.3	No response required	Responded: Tongaat Hulett	5
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/01/28 00:00	21	274	5.1	No response required	Responded: Tongaat Hulett	5
			February 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/02/03 00:00	16	285	5.2	No response required	Responded: Tongaat Hulett	6
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/02/10 00:00	20	57	2.4	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/02/11 00:00	20	83	2.1	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/02/14 00:00	20	227	3.9	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/02/21 00:00	20	223	2.3	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
6	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/02/22 00:00	20	223	2.3	No response required	None	2
			March 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/03/24 00:00	17	285	3.5	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/03/24 00:00	17	315	3.2	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/03/30 00:00	16	50	5.4	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/03/31 00:00	30	65	1.8	No response required	None	2
			April 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/04/24 00:00	16	213	2.3	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/04/05 00:00	18	252	1.9	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/04/06 00:00	16	195	1.3	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/04/07 00:00	18	239	3.9	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/04/23 00:00	16	247	1.9	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/04/24 00:00	35	245	1.9	No response required	None	2
			May 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/05/07 00:00	22	303	1.5	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/05/08 00:00	16	238	1.2	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/05/12 00:00	17	240	1.9	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/05/13 00:00	22	266	2.1	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/05/14 00:00	18	243	1.4	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/05/20 00:00	21	230	1.9	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/05/25 00:00	17	341	1.5	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/05/26 00:00	17	201	2.4	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/05/29 00:00	20	340	2.7	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/02 00:00	19	276	1.0	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/07 00:00	31	353	1.3	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/12 00:00	23	303	2.4	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/13 00:00	33	278	1.9	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/14 00:00	28	263	1.3	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/20 00:00	28	264	1.5	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/25 00:00	19	278	1.1	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/26 00:00	29	246	2.7	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/28 00:00	16	48	2.8	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/29 00:00	35	311	2.6	No response required	None	2
20	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/05/30 00:00	45	250	4.5	THS	Boiler start up on coal	7
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/30 00:00	45	250	4.5	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/05/31 00:00	18	262	3.5	No response required	None	2
			June 2022						

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
1	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/01 00:00	17	245	1.6	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/04 00:00	20	351	1.7	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/05 00:00	16	220	1.8	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/07 00:00	16	323	1.5	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/09 00:00	19	307	2	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/10 00:00	17	244	1.1	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/13 00:00	19	0	3.2	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/14 00:00	17	358	3	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/20 00:00	16	219	1.3	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/24 00:00	16	243	1.9	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/27 00:00	17	263	1.6	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/06/30 00:00	24	337	1.5	No response required	None	2
			July 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/07/03 00:00	19	355	2.4	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/07/04 00:00	26	246	1.6	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/07/05 00:00	23	352	2.3	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/07/06 00:00	21	226	2.3	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/07/08 00:00	17	359	2.6	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/10 00:00	16	357	3.3	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/11 00:00	26	243	1.7	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/12 00:00	18	352	1.7	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/13 00:00	23	334	2	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/14 00:00	37	241	2.1	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/21 00:00	18	297	1.6	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/22 00:00	20	353	2.2	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/23 00:00	19	358	3	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/27 00:00	31	316	2.1	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/28 00:00	21	356	2.3	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/07/30 00:00	17	237	2.3	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/08 00:00	37	56	2.5	No response required	None	2
18	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/07/09 00:00	52	52	3.6	Unknown Source - further investigation required	Responded: Mpact	9, 1
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/09 00:00	52	52	3.6	No response required	None	2
20	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/07/10 00:00	52	28	2.1	Unknown Source - further investigation required	Responded: Mpact	10, 1
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/10 00:00	52	28	2.1	No response required	None	2
22	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/07/11 00:00	54	258	1.3	THS	Boiler start up on coal	8
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/11 00:00	54	258	1.3	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/12 00:00	26	36	0.8	No response required	None	2
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/13 00:00	35	339	2.3	No response required	None	2
26	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/07/14 00:00	44	256	1.2	Unknown Source - further investigation required	Responded: Mpact	11,1
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/14 00:00	44	256	1.2	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/15 00:00	16	255	0.9	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/19 00:00	17	43	3.6	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/20 00:00	33	259	2.2	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/21 00:00	34	309	2.1	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/22 00:00	27	2	2.6	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/23 00:00	29	15	3.7	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/24 00:00	22	227	5.8	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/26 00:00	24	352	1.8	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/27 00:00	33	316	2.3	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/28 00:00	26	22	2.6	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/29 00:00	27	23	5.7	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/07/30 00:00	29	245	2.6	No response required	None	2
			August 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/04 00:00	21	331	3.2	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/05 00:00	23	234	1.4	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/06 00:00	23	353	1.6	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/07 00:00	21	208	1.7	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/08 00:00	20	350	3.9	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/11 00:00	18	359	2.4	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/12 00:00	29	354	4	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/16 00:00	25	351	3	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/17 00:00	34	353	2.2	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/18 00:00	18	204	2.5	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/23 00:00	16	3	2.2	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/26 00:00	18	207	3.9	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/27 00:00	20	270	3	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/28 00:00	16	74	2.1	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/08/29 00:00	18	212	3.2	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/04 00:00	38	339	3.7	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/05 00:00	38	257	1.7	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/06 00:00	40	70	1.7	No response required	None	2
19	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/08/07 00:00	43	223	2.4	Unknown Source - further investigation required	Responded: Mpact	13, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/07 00:00	43	223	2.4	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/08 00:00	35	27	4.2	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/10 00:00	16	55	2.9	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/11 00:00	25	45	2.4	No response required	None	2
24	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/08/12 00:00	46	36	4.6	Unknown Source - further investigation required	Responded: Mpact	14, 1
25	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/12 00:00	46	36	4.6	No response required	None	2
26	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/13 00:00	27	246	1.8	No response required	None	2
27	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/14 00:00	21	241	3.1	No response required	None	2
28	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/08/15 00:00	42	248	3.2	THS	None	12
29	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/15 00:00	42	248	3.2	No response required	None	2
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/16 00:00	23	27	3.4	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/17 00:00	33	43	2.4	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/18 00:00	23	247	2.8	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/20 00:00	24	264	4.4	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/21 00:00	16	243	2.9	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/22 00:00	28	33	1.9	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/23 00:00	21	58	2.1	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/25 00:00	18	49	5.3	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/26 00:00	38	251	3.7	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/27 00:00	36	265	3.1	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/28 00:00	27	92	2.8	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/29 00:00	34	245	4.2	No response required	None	2
42	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/30 00:00	27	230	6.1	No response required	None	2
43	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/08/31 00:00	22	248	4.5	No response required	None	2
			September 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/03 00:00	18	199	3.9	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/05 00:00	27	196	4.7	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/09 00:00	21	19	2.1	No response required	None	2
4	PM _{2.5} Daily RSA Limit (40µg/m³)	Brackenham	2022/09/10 00:00	51	310	1.4	Unknown Source - further investigation required	None	1
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/10 00:00	51	310	1.4	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/11 00:00	21	196	3.5	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/16 00:00	18	7	3.3	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/17 00:00	19	251	4.1	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/18 00:00	21	200	1.9	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/23 00:00	17	227	4.4	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/09/25 00:00	19	8	3.5	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
12	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/09/26 00:00	26	164	2.5	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/09/27 00:00	18	134	2.1	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Brackenham	2022/09/30 00:00	17	210	2.9	No response required	None	2
15	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/01 00:00	22	39	3.4	No response required	None	2
16	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/02 00:00	22	49	5.4	No response required	None	2
17	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/03 00:00	37	248	3.4	No response required	None	2
18	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/04 00:00	29	49	4.3	No response required	None	2
19	PM _{2.5} Daily RSA Limit (40µg/m ³)	Felixton	2022/09/05 00:00	58	221	3.8	Unknown Source - further investigation required	Responded: Mpact	15, 1
20	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/05 00:00	58	221	3.8	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/06 00:00	25	225	1.8	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/07 00:00	19	47	3.2	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/08 00:00	30	59	4.8	No response required	None	2
24	PM _{2.5} Daily RSA Limit (40µg/m ³)	Felixton	2022/09/09 00:00	49	68	1.6	Unknown Source - further investigation required	None	1
25	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/09 00:00	49	68	1.6	No response required	None	2
26	PM _{2.5} Daily RSA Limit (40µg/m ³)	Felixton	2022/09/10 00:00	48	302	1.6	Unknown Source - further investigation required	Responded: Mpact	16, 1
27	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/10 00:00	48	302	1.6	No response required	None	2
28	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/11 00:00	33	228	3	No response required	None	2
29	PM _{2.5} Daily WHO Limit (15 µg/m ³)	Felixton	2022/09/15 00:00	19	56	4.8	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
30	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/16 00:00	30	51	3.8	No response required	None	2
31	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/17 00:00	37	323	3.6	No response required	None	2
32	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/18 00:00	25	250	1.7	No response required	None	2
33	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/19 00:00	40	248	4.3	No response required	None	2
34	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/22 00:00	16	55	1.9	No response required	None	2
35	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/23 00:00	30	252	3.7	No response required	None	2
36	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/24 00:00	19	18	3.1	No response required	None	2
37	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/25 00:00	24	42	4.5	No response required	None	2
38	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/26 00:00	39	220	2.6	No response required	None	2
39	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/27 00:00	29	192	2.4	No response required	None	2
40	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/29 00:00	20	44	4.9	No response required	None	2
41	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/09/30 00:00	18	244	3.6	No response required	None	2
			October 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/03 00:00	18	3	4.1	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/06 00:00	20	326	5.1	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/09 00:00	17	224	5.3	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/11 00:00	16	10	4.7	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/12 00:00	23	185	2.3	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/13 00:00	22	8	3.9	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/14 00:00	19	202	4.9	No response required	None	2
8	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/10/19 00:00	19	28	3.5	No response required	None	2
9	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/01 00:00	19	112	3.9	No response required	None	2
10	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/03 00:00	27	61	4.9	No response required	None	2
11	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/06 00:00	24	317	5.9	No response required	None	2
12	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/07 00:00	21	243	4.4	No response required	None	2
13	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/09 00:00	30	250	5	No response required	None	2
14	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/11 00:00	30	50	6	No response required	None	2
15	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/10/12 00:00	57	243	2.6	THS	Sugar cane burning	17, 18
16	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/12 00:00	57	243	2.6	No response required	None	2
17	PM _{2.5} Daily RSA Limit (40µg/m³)	Felixton	2022/10/13 00:00	44	56	4.5	Unknown Source - further investigation required	Responded: Mpact	19, 1
18	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/13 00:00	44	56	4.5	No response required	None	2
19	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/14 00:00	34	238	4.6	No response required	None	2
20	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/17 00:00	16	73	2.7	No response required	None	2
21	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/19 00:00	30	65	4.3	No response required	None	2
22	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/21 00:00	19	211	3.6	No response required	None	2
23	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/28 00:00	24	223	3.9	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
24	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/10/30 00:00	19	34	6.9	No response required	None	2
			November 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/11/17 00:00	16	206	2.1	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/11/06 00:00	16	223	2.3	No response required	None	2
3	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/11/13 00:00	18	253	4	No response required	None	2
4	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/11/14 00:00	27	240	3	No response required	None	2
5	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/11/16 00:00	21	253	3.3	No response required	None	2
6	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/11/19 00:00	24	241	4.9	No response required	None	2
7	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/11/20 00:00	19	253	3.6	No response required	None	2
			December 2022						
1	PM _{2.5} Daily WHO Limit (15 µg/m³)	Brackenham	2022/12/15 00:00	16	158	2.2	No response required	None	2
2	PM _{2.5} Daily WHO Limit (15 µg/m³)	Felixton	2022/12/03 00:00	17	248	4.5	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
3	Tongaat Hulett - Nicolas Govender responded (24/01/2022 15:49 and 15:59): We are currently on off crop shut. There are no operations that may have contributed PM2,5 from Felixton currently.
4	Tongaat Hulett - Nicolas Govender responded (03/02/2022 09:19): We are currently on a maintenance shut. There are no operations that may have contributed PM2,5 from Felixton currently.
5	Tongaat Hulett - Nicolas Govender responded (03/02/2022 09:19 and 09:20): We are currently on a maintenance shut. There are no operations that may have contributed PM2,5 from Felixton currently.
6	Tongaat Hulett - Nicolas Govender responded (15/02/2022 09:27): We are currently on a maintenance shut. There are no operations that may have contributed PM2,5 from Felixton currently.
7	Tongaat Hulett - Nicolas Govender responded (31/05/2022 10:24): We have maintenance shuts every Monday and sometimes start up on coal dependant how long the shut would take. Yesterday was an 8 hour shut and we were starting up the boilers on coal around the time the graph indicates exceedances. This is within our permit conditions.
8	Tongaat Hulett - Nicolas Govender responded (12/07/2022 11:21): The exceedance may be related to TH during start up. On Mondays we generally stop for maintenance and restart on coal based on the length of the stop. Yesterday was a complete stop with regards to the boilers so coal was used on start up.
9	Mpact - Yolandi Schoeman responded, (12/07/2022 11:32): Mpact Security did not report any fires in the neighbouring farmlands. Meteorological data from the Esikhanleni station shows that the winds speed (WS) increased when the PM exceedances started and that the wind direction (WD) was from a North Easterly direction ($\pm 50^{\circ}\text{C}$). Given the direction and speed of the wind, Mpact operations could not have contributed to the exceedance, as a South Easterly is required for Mpact to impact Felixton Village. Based on the investigation, Mpact did not contribute to the PM2.5 exceedance that occurred on Saturday 9 July 2022 at the Felixton station.
10	Mpact - Yolandi Schoeman responded, (12/07/2022 11:56): Sunday morning, 10 July 2022, the papermachine was shut from midnight and started up again $\pm 07\text{h}30$ again, boilerhouse operations were not adversely affected by the shut. The boilers stacks remained clear throughout the day and opacities were within the regulations guidelines, no non-compliances were identified. Reports show no abnormal activities were reported at the coal yards or boilerhouse operations. Mpact Security did not report any fires in the neighbouring farmlands. Given the wind direction ($\pm 45^{\circ}$) and speed at the time of the exceedance, Mpact could not have impacted Felixton village. Investigations show that Mpact Operations did not contribute to the PM2.5 exceedances experienced at Felixton village on Sunday 10 July 2022.
11	Mpact - Yolandi Schoeman responded, (2022/07/19 10:01): Papermachine: The papermachine experienced an ESKOM power dip at 02h44 and started up at 05h23 again. Boilerhouse: The operators reports show that the boilerhouse operations experienced no adverse conditions due the power dip, the power was restored within 10min. The stack emission were under control and within the statutory limits. Very low speed mostly south westerly winds were detected during the time of the Felixton exceedances, 00h00 to 11h00. Mpact could not have contributed to the particulate matter exceedances that occurred at the Felixton monitoring station on 14 Jul 2022.
12	Tongaat Hulett - Nicolas Govender responded (16/08/2022 23:53): This exceedance below is related to TH, communication was sent out notifying all authorities of abnormalities.
13	Mpact - Yolandi Schoeman responded, (2022/08/18 13:18): Papermachine: Papermachine ran well on Sunday and there were no able conditions reported. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities over the weekend. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. No abnormal conditions in the coal yard was reported either. Mpact could not have contributed to the ambient air quality or PM exceedance that occurred at the Felixton monitoring station on 7 Aug 2022.

Response	Industry Feedback
14	Mpact - Yolandi Schoeman responded, (2022/09/01 09:08): A northerly wind was detected on 12 August 2022. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. There were no unusual activities occurring at the coal stockpiles either. Mpact could not have contributed to the ambient air quality or PM2.5 exceedances that occurred at the Felixton monitoring station on 12 August 2022.
15	Mpact - Yolandi Schoeman responded, (2022/09/13 10:31): A 3.8m/s South Westerly breeze was blowing on 5 Sep 2022. Boilerhouse reports show there were no abnormal activities occurring prior or during the time of the exceedance, i.e. 14h00 to 17h00. The four (4) boiler stack opacities were within the regulated limits. Reports also show there were no coal loading/offloading activities occurring at the storage areas that day. Mpact Felixton Mill activities could not have impacted the ambient air quality on 5 Sep 2022 to cause a PM2.5 exceedance at the RBCAA station in the village.
16	Mpact - Yolandi Schoeman responded, (2022/09/13 10:31): Boilerhouse reports show there were no abnormal activities occurring. The four (4) boiler stack opacities were within the regulated limits. There was the usual coal truck offloading activities occurring during the day at the boiler house storage area. Mpact Felixton Mill activities could not have impacted the ambient air quality on 10 Sep 2022 to cause a PM2.5 NEMA standard exceedance at the RBCAA station in the village.
17	Tongaat Hulett - Nicolas Govender responded (2022/10/13 08:39): Allocate this exceedance to cane burning, a field on the south side of Felixton Mill was burning from around 16h30 yesterday.
18	Mpact - Yolandi Schoeman responded, (2022/09/13 15:17): Mpact Felixton Mill shut at 6am yesterday, 12 Oct, to conduct a maintenance shut. The boilerhouse used the opportunity to conduct high pressure cleaning on Boiler 6 tubes and grit arrestors. The boilers started up roughly 4pm, opacity conditions were within the legislated limits for start-up conditions. Based in the elevated PM2.5 trend from 2am till 8pm and the fact that Mpact boilers were offline most of the day; Mpact could not be the source of the PM2.5 exceedance at the village.
19	Mpact - Yolandi Schoeman responded, (2022/09/13 16:43): An North Easterly wind was recorded on Thursday 13 Oct 22. The paper machine ran well and there were no upset conditions that could have impacted other processes. Boiler house reports indicate that there were no abnormal incidents; stack opacities were within the regulated limits and no unusual activities occurred at the coal heaps. Mpact is unlikely to have contributed to the PM2.5 exceedance of the NEMA standard on 13 Oct 22.

APPENDIX I

SO₂ EXCEEDANCE LOG

Table 1: SO₂ Exceedances

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Arboretum	2022/01/02 00:00	23	227	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
2	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/01/02 18:20	225	239	4.1	Foskor	Sulphuric Acid A plant gas leak	3, 5
3	SO ₂ Hourly RSA Limit (134 ppb)	Arboretum	2022/01/23 06:00	163	246	1.8	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
4	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/01/23 06:30	248	243	1.5	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/01/23 06:40	248	245	1.6	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
6	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/01/23 06:50	241	201	2.8	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
7	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/01/23 07:50	225	223	2.6	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
8	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Brackenham	2022/01/04 14:20	391	14	4.4	Foskor	Sulphuric Acid A Plant start-up	8, 12
9	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Brackenham	2022/01/04 14:30	214	15	4.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
10	SO ₂ Daily RSA Limit (48 ppb)	CBD	2022/01/02 00:00	161	230	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
11	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/02 00:00	161	230	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
12	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 07:00	182	212	5.3	Foskor	Sulphuric Acid A plant gas leak	3, 5
13	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 07:40	278	215	5.4	Foskor	Sulphuric Acid A plant gas leak	3, 5

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
14	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 07:50	417	225	5.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
15	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 08:00	237	220	5.1	Foskor	Sulphuric Acid A plant gas leak	3, 5
16	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 08:00	601	219	4.4	Foskor	Sulphuric Acid A plant gas leak	3, 5
17	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 08:10	466	213	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
18	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 08:30	359	220	4.2	Foskor	Sulphuric Acid A plant gas leak	3, 5
19	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 08:40	1343	222	4.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
20	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 08:50	1012	219	3.7	Foskor	Sulphuric Acid A plant gas leak	3, 5
21	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 09:00	1243	219	3.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
22	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 09:00	548	224	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
23	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 09:10	1498	223	4.3	Foskor	Sulphuric Acid A plant gas leak	3, 5
24	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 10:50	351	223	5	Foskor	Sulphuric Acid A plant gas leak	3, 5
25	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 11:00	382	225	5.2	Foskor	Sulphuric Acid A plant gas leak	3, 5
26	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 12:00	218	227	5.7	Foskor	Sulphuric Acid A plant gas leak	3, 5
27	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 12:40	317	226	4.7	Foskor	Sulphuric Acid A plant gas leak	3, 5
28	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 12:50	807	229	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
29	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 13:00	262	230	4.6	Foskor	Sulphuric Acid A plant gas leak	3, 5
30	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 13:00	198	225	5	Foskor	Sulphuric Acid A plant gas leak	3, 5
31	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 13:10	454	229	4.7	Foskor	Sulphuric Acid A plant gas leak	3, 5

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
32	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 13:30	256	221	5.2	Foskor	Sulphuric Acid A plant gas leak	3, 5
33	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 14:00	569	216	4.7	Foskor	Sulphuric Acid A plant gas leak	3, 5
34	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 14:20	318	219	4.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
35	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 14:30	916	215	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
36	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 14:40	1013	208	4.5	Foskor	Sulphuric Acid A plant gas leak	3, 5
37	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 14:50	912	216	4.4	Foskor	Sulphuric Acid A plant gas leak	3, 5
38	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 15:00	553	223	5.2	Foskor	Sulphuric Acid A plant gas leak	3, 5
39	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 15:00	703	221	4.3	Foskor	Sulphuric Acid A plant gas leak	3, 5
40	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 15:10	236	220	4.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
41	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 15:20	608	223	4.4	Foskor	Sulphuric Acid A plant gas leak	3, 5
42	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 15:30	349	226	3.9	Foskor	Sulphuric Acid A plant gas leak	3, 5
43	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 15:40	1649	220	3.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
44	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 15:50	824	212	3.8	Foskor	Sulphuric Acid A plant gas leak	3, 5
45	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 16:00	1459	229	3.6	Foskor	Sulphuric Acid A plant gas leak	3, 5
46	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/02 16:00	417	222	4.1	Foskor	Sulphuric Acid A plant gas leak	3, 5
47	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/02 16:10	902	223	4.1	Foskor	Sulphuric Acid A plant gas leak	3, 5
48	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/04 21:20	274	No Data	0.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
49	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/04 21:30	218	No Data	0.2	Foskor	Sulphuric Acid A Plant start-up	8, 12

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
50	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/05 00:00	16	1	4	No response required	None	2
51	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/06 00:00	17	194	3.7	No response required	None	2
52	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/07 06:20	203	No Data	0.2	Foskor	Sulphuric Acid C plant gas leak	13, 44
53	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/14 00:00	16	116	1.5	No response required	None	2
54	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/14 03:00	376	161	1	Foskor	Sulphuric Acid plant gas leaks	28, 30
55	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/14 07:00	212	No Data	0.6	Foskor	Sulphuric Acid plant gas leaks	28, 30
56	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/14 07:20	218	No Data	0.8	Foskor	Sulphuric Acid plant gas leaks	28, 30
57	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/14 07:40	329	No Data	0.6	Foskor	Sulphuric Acid plant gas leaks	28, 30
58	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/14 07:50	614	No Data	0.6	Foskor	Sulphuric Acid plant gas leaks	28, 30
59	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/22 00:00	32	149	3.1	No response required	None	2
60	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/22 02:00	351	156	1.7	Foskor	Sulphuric Acid A plant gas leak	36,80
61	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 02:30	370	221	2.4	Foskor	Sulphuric Acid A plant gas leak	36,80
62	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 02:40	1301	226	2.2	Foskor	Sulphuric Acid A plant gas leak	36,80
63	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 02:50	375	220	2.1	Foskor	Sulphuric Acid A plant gas leak	36,80
64	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 03:00	374	219	2.5	Foskor	Sulphuric Acid A plant gas leak	36,80
65	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 03:10	194	231	2	Foskor	Sulphuric Acid A plant gas leak	36,80
66	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 05:00	260	233	1.7	Foskor	Sulphuric Acid A plant gas leak	36,80
67	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/22 05:00	171	No Data	0.8	Foskor	Sulphuric Acid A plant gas leak	36,80

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
68	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/22 05:50	248	233	1.3	Foskor	Sulphuric Acid A plant gas leak	36,80
69	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/23 00:00	48	142	2.1	No response required	None	2
70	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 05:20	205	248	1.7	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
71	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 06:00	332	254	1.3	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
72	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/23 06:00	152	256	1.6	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
73	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/23 07:00	243	226	2.4	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
74	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 07:40	219	254	2.2	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
75	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 07:50	1106	209	2.7	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
76	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/01/23 08:00	600	209	2.6	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
77	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 08:10	2185	223	2.6	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
78	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 08:20	850	199	2.4	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
79	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/01/23 08:30	343	202	2.8	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
80	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/01/29 00:00	20	224	3.6	No response required	None	2
81	SO ₂ Daily WHO Standard (15 ppb)	Felixton	2022/01/07 00:00	20	72	2.3	No response required	Responded: Tongaat Hulett	19
82	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/07 19:00	224	86	3.8	Foskor	Sulphuric Acid C plant gas leak	13, 19, 20
83	SO ₂ Hourly RSA Limit (134 ppb)	Felixton	2022/01/07 19:00	288	79	3.3	Foskor	Sulphuric Acid C plant gas leak	14, 20, 31
84	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/07 19:10	248	87	3	Foskor	Sulphuric Acid C plant gas leak	13, 19, 20
85	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/07 19:20	248	86	3.3	Foskor	Sulphuric Acid C plant gas leak	13, 19, 20

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
86	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/07 19:30	303	83	3.4	Foskor	Sulphuric Acid C plant gas leak	13, 19, 20
87	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/07 19:40	406	68	2.9	Foskor	Sulphuric Acid C plant gas leak	13, 19, 20
88	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/07 19:50	301	64	3.2	Foskor	Sulphuric Acid C plant gas leak	13, 19, 20
89	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/01/23 20:50	199	6	0.1	Foskor	Sulphuric Acid B plant gas leak	38, 60, 69
90	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/01 07:50	192	48	5.2	Foskor	Sulphuric Acid A plant gas leak	3, 4
91	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/01 11:20	198	52	5.6	Foskor	Sulphuric Acid A plant gas leak	3, 4
92	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/04 00:00	469	51	4.5	Foskor	Sulphuric Acid A Plant start-up	9, 12
93	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/04 00:00	469	51	4.5	No response required	None	2
94	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 04:00	393	56	3	Foskor	Sulphuric Acid A Plant start-up	9, 12
95	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 04:30	248	59	2.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
96	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 04:40	647	47	2.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
97	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 04:50	1425	50	2.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
98	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 05:00	734	50	1.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
99	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 05:00	624	43	4.1	Foskor	Sulphuric Acid A Plant start-up	9, 12
100	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 05:10	507	41	3.9	Foskor	Sulphuric Acid A Plant start-up	8, 12
101	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 05:20	606	41	4.3	Foskor	Sulphuric Acid A Plant start-up	8, 12
102	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 05:30	805	41	5.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
103	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 05:40	490	41	4.9	Foskor	Sulphuric Acid A Plant start-up	8, 12

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
104	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 05:50	603	41	4.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
105	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 06:00	329	37	4.2	Foskor	Sulphuric Acid A Plant start-up	9, 12
106	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 06:20	692	45	4.7	Foskor	Sulphuric Acid A Plant start-up	8, 12
107	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 06:30	1096	41	4.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
108	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 07:00	650	42	4.1	Foskor	Sulphuric Acid A Plant start-up	9, 12
109	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 07:30	285	41	3.7	Foskor	Sulphuric Acid A Plant start-up	8, 12
110	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 07:40	1906	46	3.5	Foskor	Sulphuric Acid A Plant start-up	8, 12
111	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 07:50	1537	43	4.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
112	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 08:00	541	39	4.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
113	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 08:00	1049	44	4.8	Foskor	Sulphuric Acid A Plant start-up	9, 12
114	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 08:20	1193	46	5.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
115	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 08:30	1480	46	5.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
116	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 08:40	2462	51	4	Foskor	Sulphuric Acid A Plant start-up	8, 12
117	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 08:50	539	37	5.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
118	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 09:00	1510	49	6.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
119	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 09:00	586	45	6.2	Foskor	Sulphuric Acid A Plant start-up	9, 12
120	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 09:10	669	49	5.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
121	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 09:30	687	43	6.3	Foskor	Sulphuric Acid A Plant start-up	8, 12

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
122	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 09:40	433	50	7.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
123	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 10:00	998	40	6.5	Foskor	Sulphuric Acid A Plant start-up	9, 12
124	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 10:10	197	37	8.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
125	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 10:20	643	40	5.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
126	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 10:30	1453	40	7.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
127	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 10:40	1815	46	6.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
128	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 10:50	1813	43	5.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
129	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 11:00	1258	52	5.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
130	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 11:00	1191	47	6.6	Foskor	Sulphuric Acid A Plant start-up	9, 12
131	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 11:10	1008	53	5.9	Foskor	Sulphuric Acid A Plant start-up	8, 12
132	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 11:20	1389	46	6.5	Foskor	Sulphuric Acid A Plant start-up	8, 12
133	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 11:30	982	44	7.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
134	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 11:40	1661	47	7	Foskor	Sulphuric Acid A Plant start-up	8, 12
135	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 11:50	847	43	7.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
136	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 12:00	2445	46	8.4	Foskor	Sulphuric Acid A Plant start-up	8, 12
137	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 12:00	1085	41	7.7	Foskor	Sulphuric Acid A Plant start-up	9, 12
138	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 12:10	420	42	8.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
139	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 12:20	602	39	7.6	Foskor	Sulphuric Acid A Plant start-up	8, 12

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
140	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 12:30	933	41	7.2	Foskor	Sulphuric Acid A Plant start-up	8, 12
141	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 12:40	989	40	7.6	Foskor	Sulphuric Acid A Plant start-up	8, 12
142	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 12:50	1123	39	7.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
143	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 13:00	1907	46	7.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
144	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 13:00	1676	45	8	Foskor	Sulphuric Acid A Plant start-up	9, 12
145	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 13:10	2293	46	8.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
146	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 13:20	805	41	8.3	Foskor	Sulphuric Acid A Plant start-up	8, 12
147	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 13:30	1543	44	7.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
148	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 13:40	1665	48	7.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
149	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 13:50	1843	45	8.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
150	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 14:00	1166	48	8.4	Foskor	Sulphuric Acid A Plant start-up	8, 12
151	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 14:00	1110	43	7.1	Foskor	Sulphuric Acid A Plant start-up	9, 12
152	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 14:10	1621	46	6	Foskor	Sulphuric Acid A Plant start-up	8, 12
153	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 14:20	1889	45	7.5	Foskor	Sulphuric Acid A Plant start-up	8, 12
154	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 14:30	1261	43	8.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
155	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 14:40	679	40	6.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
156	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 15:00	878	45	7.5	Foskor	Sulphuric Acid A Plant start-up	9, 12
157	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 15:10	419	43	7.5	Foskor	Sulphuric Acid A Plant start-up	8, 12

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
158	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 15:20	624	41	7.4	Foskor	Sulphuric Acid A Plant start-up	8, 12
159	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 15:30	1758	43	8.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
160	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 15:40	1599	43	7.9	Foskor	Sulphuric Acid A Plant start-up	8, 12
161	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 15:50	709	54	7.3	Foskor	Sulphuric Acid A Plant start-up	8, 12
162	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 16:00	198	54	7.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
163	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 16:00	253	60	6.5	Foskor	Sulphuric Acid A Plant start-up	9, 12
164	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 16:10	747	59	6.8	Foskor	Sulphuric Acid A Plant start-up	8, 12
165	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 16:20	435	56	5.9	Foskor	Sulphuric Acid A Plant start-up	8, 12
166	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 17:10	204	56	5.9	Foskor	Sulphuric Acid A Plant start-up	8, 12
167	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/04 19:00	239	15	4.4	Foskor	Sulphuric Acid A Plant start-up	9, 12
168	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 19:10	826	41	3.5	Foskor	Sulphuric Acid A Plant start-up	8, 12
169	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/04 19:20	524	32	4.1	Foskor	Sulphuric Acid A Plant start-up	8, 12
170	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/06 14:30	338	169	2.4	Foskor	Sulphuric Acid C plant gas leak	10, 1
171	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/06 15:10	344	177	1.9	Foskor	Sulphuric Acid C plant gas leak	10, 1
172	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/07 00:00	62	75	1.8	Foskor	Sulphuric Acid C plant gas leak	15, 1
173	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/07 00:00	62	75	1.8	No response required	None	2
174	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/07 09:00	633	80	0.2	Foskor	Sulphuric Acid C plant gas leak	14, 20
175	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 09:30	1035	68	0.2	Foskor	Sulphuric Acid C plant gas leak	13, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
176	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 09:40	1429	79	0.4	Foskor	Sulphuric Acid C plant gas leak	13, 1
177	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 09:50	1166	72	0.2	Foskor	Sulphuric Acid C plant gas leak	13, 1
178	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/07 10:00	535	66	1.2	Foskor	Sulphuric Acid C plant gas leak	14, 20
179	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 10:30	1190	56	0.9	Foskor	Sulphuric Acid C plant gas leak	13, 1
180	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 10:40	590	48	1.8	Foskor	Sulphuric Acid C plant gas leak	13, 1
181	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 10:50	1208	46	2.2	Foskor	Sulphuric Acid C plant gas leak	13, 1
182	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 11:00	598	48	3.1	Foskor	Sulphuric Acid C plant gas leak	13, 1
183	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/07 11:00	181	59	2.7	Foskor	Sulphuric Acid C plant gas leak	14, 20
184	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 11:10	405	50	3.8	Foskor	Sulphuric Acid C plant gas leak	13, 1
185	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/07 12:00	249	100	2	Foskor	Sulphuric Acid C plant gas leak	13, 44
186	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/08 00:00	57	64	2.2	Foskor	Sulphuric Acid C plant gas leak	17, 21
187	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/08 00:00	57	64	2.2	No response required	None	2
188	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/08 08:00	1050	51	1.9	Foskor	Sulphuric Acid C plant gas leak	16, 21
189	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/08 08:00	1054	50	2.3	Foskor	Sulphuric Acid C plant gas leak	16, 21
190	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/08 08:10	2057	48	2.1	Foskor	Sulphuric Acid C plant gas leak	16, 21
191	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/08 08:20	1214	46	2.6	Foskor	Sulphuric Acid C plant gas leak	16, 21
192	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/08 08:30	317	51	2.1	Foskor	Sulphuric Acid C plant gas leak	16, 21
193	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/08 08:40	1085	54	2.8	Foskor	Sulphuric Acid C plant gas leak	16, 21

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
194	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/08 08:50	601	52	2.6	Foskor	Sulphuric Acid C plant gas leak	16, 21
195	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/09 00:00	21	55	3.4	No response required	None	2
196	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/09 06:50	226	37	3.5	Foskor	Sulphuric Acid A plant gas leak	18, 22
197	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/09 07:50	437	42	3.9	Foskor	Sulphuric Acid A plant gas leak	18, 22
198	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/10 00:00	119	57	4	Foskor	Sulphuric Acid plant gas leaks	1
199	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/10 00:00	119	57	4	No response required	None	2
200	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/10 05:00	394	54	2.2	Foskor	Sulphuric Acid plant gas leaks	23, 1
201	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 05:10	245	55	2.5	Foskor	Sulphuric Acid plant gas leaks	1
202	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 05:20	348	53	2.2	Foskor	Sulphuric Acid plant gas leaks	1
203	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 05:30	532	59	1.8	Foskor	Sulphuric Acid plant gas leaks	1
204	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 05:40	516	52	1.7	Foskor	Sulphuric Acid plant gas leaks	1
205	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 05:50	612	53	2.4	Foskor	Sulphuric Acid plant gas leaks	1
206	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 06:00	664	55	3.2	Foskor	Sulphuric Acid plant gas leaks	1
207	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/10 06:00	508	46	3.7	Foskor	Sulphuric Acid plant gas leaks	23, 1
208	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 06:10	387	54	3.5	Foskor	Sulphuric Acid plant gas leaks	1
209	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 06:20	566	51	2.9	Foskor	Sulphuric Acid plant gas leaks	1
210	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 06:30	548	36	3.6	Foskor	Sulphuric Acid plant gas leaks	1
211	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 06:40	780	37	4.6	Foskor	Sulphuric Acid plant gas leaks	1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
212	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 07:00	202	43	4.4	Foskor	Sulphuric Acid plant gas leaks	1
213	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/10 08:00	671	43	4.9	Foskor	Sulphuric Acid plant gas leaks	23, 1
214	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 08:20	721	49	5.1	Foskor	Sulphuric Acid plant gas leaks	1
215	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 08:40	764	47	4.1	Foskor	Sulphuric Acid plant gas leaks	1
216	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 08:50	2342	52	4.6	Foskor	Sulphuric Acid plant gas leaks	1
217	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 09:00	564	50	5.1	Foskor	Sulphuric Acid plant gas leaks	1
218	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/10 09:00	440	50	4.9	Foskor	Sulphuric Acid plant gas leaks	23, 1
219	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 09:10	1294	45	5.5	Foskor	Sulphuric Acid plant gas leaks	1
220	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 09:20	316	38	5	Foskor	Sulphuric Acid plant gas leaks	1
221	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 09:50	285	62	5	Foskor	Sulphuric Acid plant gas leaks	1
222	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 10:00	877	64	4.1	Foskor	Sulphuric Acid plant gas leaks	1
223	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/10 10:00	446	58	4.4	Foskor	Sulphuric Acid plant gas leaks	23, 1
224	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 10:10	936	51	4.1	Foskor	Sulphuric Acid plant gas leaks	1
225	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 10:20	334	48	4.3	Foskor	Sulphuric Acid plant gas leaks	1
226	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/10 10:30	492	58	4.4	Foskor	Sulphuric Acid plant gas leaks	1
227	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/11 00:00	21	62	3.7	No response required	None	2
228	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/16 00:00	62	51	2.9	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
229	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/16 00:00	62	51	2.9	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
230	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 07:40	193	52	3.1	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
231	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 07:50	299	44	3.5	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
232	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 08:00	621	39	3.4	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
233	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/16 08:00	533	44	4.1	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
234	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 08:20	479	42	4	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
235	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 08:30	904	43	4.5	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
236	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 08:40	351	49	4.2	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
237	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 08:50	703	43	4.6	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
238	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/16 09:00	161	51	4.6	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
239	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 09:10	372	48	4.4	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
240	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 09:50	305	47	4.3	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
241	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 10:00	528	47	4.9	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
242	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/16 10:00	288	51	4.6	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
243	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 10:10	569	49	4.9	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
244	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 10:20	246	43	5.1	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
245	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 10:30	271	51	4.5	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
246	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/16 11:00	155	40	4.2	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1
247	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/16 11:30	475	38	5	Foskor	Sulphuric Acid plant gas leaks	29, 32, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
248	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/18 00:00	50	57	3	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
249	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/18 00:00	50	57	3	No response required	None	2
250	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/18 21:00	217	59	3.7	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
251	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 21:20	339	58	4	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
252	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 21:30	372	57	3.9	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
253	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 21:50	213	58	3.7	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
254	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 22:00	357	57	3.3	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
255	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/18 22:00	496	52	2.5	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
256	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 22:10	521	52	2.8	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
257	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 22:20	446	46	2	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
258	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 22:30	880	49	2.1	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
259	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 22:40	444	53	1.9	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
260	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 22:50	329	56	3	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
261	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 23:00	417	52	3	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
262	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/18 23:00	394	46	2.9	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
263	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 23:10	327	47	2	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
264	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 23:20	713	42	2.4	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
265	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 23:30	505	40	4.1	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
266	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/18 23:50	315	49	2	Foskor	Sulphuric Acid plant gas leaks	33, 61, 1
267	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/19 03:10	206	55	2.6	Foskor	Sulphuric Acid A plant gas leak	34, 70, 1
268	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/21 07:00	172	44	2.6	Foskor	Sulphuric Acid A plant gas leak	35, 62, 1
269	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/21 07:40	549	64	3.1	Foskor	Sulphuric Acid A plant gas leak	35, 62, 1
270	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/21 07:50	421	60	2.5	Foskor	Sulphuric Acid A plant gas leak	35, 62, 1
271	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/25 00:00	77	67	2.3	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
272	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/25 00:00	77	67	2.3	No response required	None	2
273	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/25 01:00	312	48	2.6	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
274	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 01:30	510	51	1.7	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
275	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 01:40	619	46	2.3	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
276	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 01:50	441	45	2.5	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
277	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 02:00	496	46	3.3	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
278	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/25 02:00	1062	52	1.8	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
279	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 02:10	680	53	2.1	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
280	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 02:20	1348	53	1.5	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
281	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 02:30	1606	54	1.8	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
282	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 02:40	1253	53	1.2	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
283	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 02:50	987	50	1.1	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
284	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 03:00	589	43	2.1	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
285	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/25 03:00	243	46	3.2	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
286	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 03:10	364	45	2.9	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
287	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/25 03:20	204	46	3.4	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
288	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/01/26 00:00	65	67	2.3	Foskor	Sulphuric Acid A plant gas leak	43, 71
289	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/26 00:00	65	67	2.3	No response required	None	2
290	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/26 06:00	183	337	0.3	Foskor	Sulphuric Acid A plant gas leak	43, 45, 71
291	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 06:10	542	4	0.2	Foskor	Sulphuric Acid A plant gas leak	43, 71
292	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 06:20	340	306	0.2	Foskor	Sulphuric Acid A plant gas leak	43, 71
293	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/26 21:00	633	53	2.2	Foskor	Sulphuric Acid A plant gas leak	43, 71
294	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 21:20	302	56	2.5	Foskor	Sulphuric Acid A plant gas leak	43, 71
295	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 21:30	780	46	2.5	Foskor	Sulphuric Acid A plant gas leak	43, 71
296	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 21:40	1728	42	2.9	Foskor	Sulphuric Acid A plant gas leak	43, 71
297	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 21:50	936	48	1.3	Foskor	Sulphuric Acid A plant gas leak	43, 71
298	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 22:00	1649	44	2.4	Foskor	Sulphuric Acid A plant gas leak	43, 71
299	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/01/26 22:00	591	50	2.1	Foskor	Sulphuric Acid A plant gas leak	43, 71
300	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 22:10	590	48	1.4	Foskor	Sulphuric Acid A plant gas leak	43, 71
301	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 22:20	527	45	2.6	Foskor	Sulphuric Acid A plant gas leak	43, 71

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
302	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/01/26 22:30	528	47	3.4	Foskor	Sulphuric Acid A plant gas leak	43, 71
303	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/27 00:00	31	34	4.7	No response required	None	2
304	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/28 00:00	20	276	5.1	No response required	None	2
305	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/01/31 00:00	25	54	3.4	No response required	None	2
306	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/03 11:00	201	162	3.4	Foskor	Sulphuric Acid A plant gas leak	6, 7
307	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/03 11:10	300	161	3.3	Foskor	Sulphuric Acid A plant gas leak	6, 7
308	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/03 11:50	522	164	3.2	Foskor	Sulphuric Acid A plant gas leak	6, 7
309	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/03 12:10	315	172	3	Foskor	Sulphuric Acid A plant gas leak	6, 7
310	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/04 20:30	206	212	0.3	Foskor	Sulphuric Acid A Plant start-up	8, 12
311	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/04 21:50	217	170	4.5	Foskor	Sulphuric Acid A Plant start-up	8, 12
312	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/05 00:00	18	18	3.8	No response required	None	2
313	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/06 00:00	30	225	3	No response required	None	2
314	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/06 13:00	201	201	1.9	Foskor	Sulphuric Acid C plant gas leak	11, 24
315	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 13:30	228	193	2.2	Foskor	Sulphuric Acid C plant gas leak	10, 1
316	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 13:40	353	199	1.4	Foskor	Sulphuric Acid C plant gas leak	10, 1
317	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 13:50	563	206	1.4	Foskor	Sulphuric Acid C plant gas leak	10, 1
318	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 14:00	322	210	1.3	Foskor	Sulphuric Acid C plant gas leak	10, 1
319	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/06 14:00	272	178	2.1	Foskor	Sulphuric Acid C plant gas leak	11, 24

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
320	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 14:20	278	173	2.7	Foskor	Sulphuric Acid C plant gas leak	10, 1
321	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 14:30	207	169	2.4	Foskor	Sulphuric Acid C plant gas leak	10, 1
322	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 14:40	250	169	2.3	Foskor	Sulphuric Acid C plant gas leak	10, 1
323	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 14:50	526	170	1.8	Foskor	Sulphuric Acid C plant gas leak	10, 1
324	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/06 15:00	369	170	2	Foskor	Sulphuric Acid C plant gas leak	10, 1
325	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/06 15:00	143	173	1.6	Foskor	Sulphuric Acid C plant gas leak	11, 24
326	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/07 11:40	204	62	2.3	Foskor	Sulphuric Acid C plant gas leak	13, 44
327	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/13 00:00	18	195	1.6	No response required	None	2
328	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/13 10:00	236	169	2.1	Foskor	Sulphuric Acid C plant gas leak	26, 27
329	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/13 10:00	167	167	2.7	Foskor	Sulphuric Acid C plant gas leak	25, 27
330	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/13 10:10	286	157	2.4	Foskor	Sulphuric Acid C plant gas leak	26, 27
331	SO ₂ Daily RSA Limit (48 ppb)	Scorpio	2022/01/14 00:00	124	122	1.5	Foskor	Sulphuric Acid plant gas leaks	28, 30
332	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/14 00:00	124	122	1.5	No response required	None	2
333	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/14 08:00	581	198	1.6	Foskor	Sulphuric Acid plant gas leaks	28, 30
334	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 08:40	516	180	1.7	Foskor	Sulphuric Acid plant gas leaks	28, 30
335	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 08:50	2828	173	2.2	Foskor	Sulphuric Acid plant gas leaks	28, 30
336	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 09:00	758	185	1.8	Foskor	Sulphuric Acid plant gas leaks	28, 30
337	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/14 09:00	369	190	1.4	Foskor	Sulphuric Acid plant gas leaks	28, 30

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
338	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 09:20	483	183	1.6	Foskor	Sulphuric Acid plant gas leaks	28, 30
339	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 09:30	787	178	2	Foskor	Sulphuric Acid plant gas leaks	28, 30
340	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/14 10:00	1618	174	1.3	Foskor	Sulphuric Acid plant gas leaks	28, 30
341	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 10:10	828	165	1.8	Foskor	Sulphuric Acid plant gas leaks	28, 30
342	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 10:20	2395	157	1.4	Foskor	Sulphuric Acid plant gas leaks	28, 30
343	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 10:30	2225	157	0.9	Foskor	Sulphuric Acid plant gas leaks	28, 30
344	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 10:40	2955	180	1.3	Foskor	Sulphuric Acid plant gas leaks	28, 30
345	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 10:50	1288	177	1.7	Foskor	Sulphuric Acid plant gas leaks	28, 30
346	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 11:00	774	152	2.4	Foskor	Sulphuric Acid plant gas leaks	28, 30
347	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/14 11:00	309	141	3.2	Foskor	Sulphuric Acid plant gas leaks	28, 30
348	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/14 11:10	833	143	3.3	Foskor	Sulphuric Acid plant gas leaks	28, 30
349	SO ₂ Daily RSA Limit (48 ppb)	Scorpio	2022/01/22 00:00	57	180	2.1	Foskor	Sulphuric Acid A plant gas leak	37, 80
350	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/22 00:00	57	180	2.1	No response required	None	2
351	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 06:50	200	160	2.9	Foskor	Sulphuric Acid A plant gas leak	36,80
352	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 08:00	224	183	2.4	Foskor	Sulphuric Acid A plant gas leak	36,80
353	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/22 08:00	215	175	2.6	Foskor	Sulphuric Acid A plant gas leak	36,80
354	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 08:20	526	176	2.8	Foskor	Sulphuric Acid A plant gas leak	36,80
355	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/22 09:00	145	165	3.5	Foskor	Sulphuric Acid A plant gas leak	36,80

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
356	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 09:50	299	168	3.4	Foskor	Sulphuric Acid A plant gas leak	36,80
357	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 10:00	289	170	3.5	Foskor	Sulphuric Acid A plant gas leak	36,80
358	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/22 10:00	342	179	3.7	Foskor	Sulphuric Acid A plant gas leak	36,80
359	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 10:10	443	167	3.3	Foskor	Sulphuric Acid A plant gas leak	36,80
360	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 10:20	641	176	3.7	Foskor	Sulphuric Acid A plant gas leak	36,80
361	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/22 10:30	526	181	4.5	Foskor	Sulphuric Acid A plant gas leak	36,80
362	SO ₂ Daily RSA Limit (48 ppb)	Scorpio	2022/01/23 00:00	186	145	1.2	Foskor	Sulphuric Acid B plant gas leak	40, 69, 1
363	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/23 00:00	186	145	1.2	No response required	None	2
364	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 07:00	159	291	0.4	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
365	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 07:30	503	283	0.2	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
366	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 07:40	313	269	0.3	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
367	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 09:00	1311	201	0.9	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
368	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 09:10	923	233	1.1	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
369	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 09:20	1727	187	0.7	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
370	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 09:30	1989	163	0.6	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
371	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 09:40	669	194	0.8	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
372	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 09:50	2542	187	1	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
373	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 10:00	639	168	1.1	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
374	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 10:00	375	175	1.7	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
375	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 10:40	1147	179	1.9	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
376	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 11:00	1261	167	2	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
377	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 11:10	1263	179	1.9	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
378	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 11:20	1589	179	2.4	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
379	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 11:30	1873	171	2.5	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
380	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 11:40	2694	168	2.2	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
381	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 12:00	1276	156	2	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
382	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 12:00	268	169	2	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
383	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 13:00	569	172	2.2	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
384	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 13:10	194	171	2.7	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
385	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 13:40	218	173	1.8	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
386	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 13:50	2948	169	1.9	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
387	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 14:00	366	174	2.1	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
388	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 14:00	146	167	2.3	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1
389	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 14:10	312	168	2	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
390	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 15:00	399	151	1.9	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
391	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/23 15:00	276	151	1.8	Foskor	Sulphuric Acid B plant gas leak	39, 69, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
392	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/23 15:10	1114	155	1.8	Foskor	Sulphuric Acid B plant gas leak	38, 69, 1
393	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/25 00:00	26	67	2.3	No response required	None	2
394	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/25 12:00	136	190	2.4	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
395	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/25 12:20	557	201	2.6	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
396	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/01/25 13:00	171	181	2.3	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
397	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/25 13:30	436	180	2.5	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
398	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/25 13:50	303	169	2	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
399	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/01/25 14:40	273	171	2	Foskor	Sulphuric Acid C plant gas leak	41, 68, 1
400	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/01/27 00:00	23	34	4.7	No response required	None	2
			February 2022						
1	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/06 03:40	247	239	3	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
2	SO ₂ Daily WHO Standard (15 ppb)	Arboretum	2022/02/07 00:00	23	189	2.1	No response required	None	2
3	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 03:40	250	250	2.4	Foskor (meteorology)	Responded: South32	59, 1
4	SO ₂ Hourly RSA Limit (134 ppb)	Arboretum	2022/02/07 06:00	146	233	1.3	Foskor (meteorology)	Responded: South32	58, 1
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 06:20	233	227	1.6	Foskor (meteorology)	Responded: South32	59, 1
6	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 06:30	250	249	1.7	Foskor (meteorology)	Responded: South32	59, 1
7	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 06:40	250	231	1.7	Foskor (meteorology)	Responded: South32	59, 1
8	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 07:00	220	239	2.8	Foskor (meteorology)	Responded: South32	59, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
9	SO ₂ Hourly RSA Limit (134 ppb)	Arboretum	2022/02/07 07:00	173	233	2	Foskor (meteorology)	Responded: South32	58, 1
10	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 07:10	250	244	1.3	Foskor (meteorology)	Responded: South32	59, 1
11	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/07 07:20	250	239	1.1	Foskor (meteorology)	Responded: South32	59, 1
12	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/08 00:30	248	248	1.2	Unknown Source - further investigation required	Responded: Foskor, South32	63, 75, 1
13	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Arboretum	2022/02/08 00:40	218	280	0.7	Unknown Source - further investigation required	Responded: Foskor, South32	63, 75, 1
14	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/02/03 00:00	23	25	5	No response required	None	2
15	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 21:50	339	222	5.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
16	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 22:00	291	226	6.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
17	SO ₂ Hourly RSA Limit (134 ppb)	CBD	2022/02/03 22:00	317	224	6.1	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
18	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 22:30	854	222	5.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
19	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 22:40	316	226	6.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
20	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 22:50	276	226	5.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
21	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 23:00	204	226	6.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
22	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/03 23:10	192	224	6.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
23	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/05 12:10	221	207	2.9	Unknown Source - further investigation required	Responded: Foskor, South32	54, 78, 1
24	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/05 12:20	742	211	2.2	Unknown Source - further investigation required	Responded: Foskor, South32	54, 78, 1
25	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/05 12:30	423	No Data	1.4	Unknown Source - further investigation required	Responded: Foskor, South32	54, 78, 1
26	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	CBD	2022/02/06 02:40	255	251	2.2	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
27	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Felixton	2022/02/03 12:30	732	236	3.3	Foskor	Sulphuric Acid A plant gas leak	50, 51,65, 74
28	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/02/01 00:00	33	64	4.2	No response required	None	2
29	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/01 00:50	491	46	1.4	Foskor	Sulphuric Acid A plant gas leak	46, 72
30	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/01 01:00	339	45	3	Foskor	Sulphuric Acid A plant gas leak	46, 72
31	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/01 23:00	209	58	2.2	Foskor	Sulphuric Acid A plant gas leak	47,72
32	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/01 23:40	367	58	1.9	Foskor	Sulphuric Acid A plant gas leak	46, 72
33	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/01 23:50	589	57	1.8	Foskor	Sulphuric Acid A plant gas leak	46, 72
34	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 00:00	394	59	1.7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
35	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 00:00	756	51	2.2	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
36	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/02/02 00:00	330	52	5.5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
37	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/02/02 00:00	330	52	5.5	No response required	None	2
38	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 00:10	1127	39	2.7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
39	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 00:20	970	41	2.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
40	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 00:30	963	52	1.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
41	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 00:40	585	59	2.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
42	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 00:50	497	54	2	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
43	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 01:00	358	51	2.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
44	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 01:00	380	48	2.2	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
45	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 01:10	720	48	1.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
46	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 01:20	722	45	2.5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
47	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 01:30	389	46	2.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
48	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 04:50	245	40	4.6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
49	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 05:00	295	45	3.5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
50	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 05:00	310	42	3.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
51	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 05:10	346	39	3.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
52	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 05:20	391	40	4.5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
53	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 05:30	259	42	3.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
54	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 05:40	269	42	3.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
55	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 05:50	300	41	4.2	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
56	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 06:00	209	47	3.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
57	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 06:00	173	42	4.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
58	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 06:20	236	41	4.5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
59	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 06:30	215	42	4.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
60	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 07:00	149	39	5.6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
61	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 07:20	208	39	5.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
62	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 19:00	259	56	5.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
63	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 19:20	199	55	5.7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
64	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 19:30	264	54	6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
65	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 19:40	362	54	5.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
66	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 19:50	627	54	5.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
67	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 20:00	637	56	6.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
68	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 20:00	736	55	6.1	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
69	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 20:10	540	56	6.2	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
70	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 20:20	349	55	5.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
71	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 20:30	749	55	5.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
72	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 20:40	971	54	6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
73	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 20:50	1171	53	6.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
74	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 21:00	1362	54	7.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
75	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 21:00	1671	49	5.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
76	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 21:10	1042	54	5.5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
77	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 21:20	934	51	6.9	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
78	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 21:30	2485	47	5.7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
79	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 21:40	2057	45	4.6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
80	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 21:50	2149	45	5	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
81	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 22:00	2749	50	5.6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
82	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 22:00	1993	44	6.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
83	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 22:10	2714	42	5.6	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
84	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 22:20	1727	44	5.7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
85	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 22:30	1763	42	7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
86	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 22:40	1487	43	7.2	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
87	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 22:50	1518	41	7	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
88	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 23:00	744	41	7.1	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
89	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/02 23:00	903	41	7.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
90	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 23:10	1481	40	7.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
91	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 23:20	1085	41	6.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
92	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 23:30	568	41	7.4	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
93	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 23:40	439	41	7.8	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
94	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/02 23:50	1100	43	7.3	Foskor	Sulphuric Acid B plant gas leak	48, 49, 73
95	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 00:00	1643	42	6.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
96	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 00:00	1393	40	6.9	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
97	SO ₂ Daily RSA Limit (48 ppb)	Harbour West	2022/02/03 00:00	487	42	5.3	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
98	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/02/03 00:00	487	42	5.3	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
99	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 00:10	2352	42	6.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
100	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 00:20	1627	42	6.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
101	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 00:30	1657	39	7.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
102	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 00:40	844	36	6.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
103	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 00:50	235	40	6.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
104	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 01:00	302	40	6.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
105	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 01:00	1361	41	7.1	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
106	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 01:10	649	42	7.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
107	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 01:20	1831	41	7.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
108	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 01:30	1746	41	7.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
109	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 01:40	2122	40	5.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
110	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 01:50	1518	39	7.3	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
111	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 02:00	1641	42	6.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
112	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 02:00	1038	39	6.5	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
113	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 02:10	1417	39	6.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
114	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 02:20	1139	38	6.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
115	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 02:30	861	41	6.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
116	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 02:40	413	36	6.4	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
117	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 02:50	756	38	6.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
118	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 03:00	1130	40	6.2	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
119	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 03:00	1317	39	6.4	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
120	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 03:10	1050	41	6.4	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
121	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 03:20	1886	38	6.3	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
122	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 03:30	1421	39	6.3	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
123	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 03:40	1461	39	6.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
124	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 03:50	956	39	6.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
125	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 04:00	1605	41	7.3	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
126	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 04:00	1412	41	6.6	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
127	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 04:10	852	40	6.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
128	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 04:20	886	38	6.3	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
129	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 04:30	2077	43	5.4	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
130	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 04:40	1682	41	7.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
131	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 04:50	1371	44	6.4	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
132	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 05:00	1214	44	6.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
133	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 05:00	1376	41	6	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
134	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 05:10	1543	41	6.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
135	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 05:20	1836	41	5.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
136	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 05:30	978	40	5.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
137	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 05:40	632	40	5.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
138	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 05:50	2052	41	5.3	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
139	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 06:00	1487	38	6.2	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
140	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 06:00	1301	42	6.4	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
141	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 06:10	720	41	6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
142	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 06:20	1202	44	5.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
143	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 06:30	1447	42	6.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
144	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 06:40	1121	44	6.9	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
145	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 06:50	1829	42	6.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
146	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 07:00	1985	43	6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
147	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 07:00	628	39	5.9	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
148	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 07:10	485	40	6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
149	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 07:20	520	39	6.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
150	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 07:30	210	38	6.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
151	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 07:50	434	43	5.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
152	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 08:40	375	38	5.4	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
153	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 08:50	202	36	5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
154	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 09:00	316	34	5.8	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
155	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 09:00	258	31	5.2	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
156	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 09:10	208	29	5.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
157	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 09:20	350	34	5.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
158	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 09:40	332	25	5.1	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
159	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 09:50	266	29	4.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
160	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 10:00	597	28	3.4	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
161	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 10:00	1019	37	4	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
162	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 10:10	1220	38	4.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
163	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 10:20	1746	34	3.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
164	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 10:30	1212	42	3.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
165	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 10:40	1307	42	4.6	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
166	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/03 11:00	379	32	2.7	Foskor	Sulphuric Acid A plant gas leak	52, 74, 1
167	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 11:30	250	63	2.2	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
168	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 11:40	632	40	2.5	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
169	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/03 11:50	887	48	2.7	Foskor	Sulphuric Acid A plant gas leak	51, 74, 1
170	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/10 08:50	273	48	4.1	Unknown Source - further investigation required	Responded: Foskor, South32	64, 76, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
171	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/02/12 00:00	46	71	2.5	No response required	None	2
172	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/12 07:00	401	59	0.6	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
173	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 07:20	461	63	0.5	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
174	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 07:30	321	54	0.6	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
175	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 07:40	767	51	0.6	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
176	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 07:50	605	51	1.8	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
177	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/12 08:00	205	58	1.9	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
178	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 08:10	542	50	2	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
179	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 08:20	357	54	1.2	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
180	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 08:30	217	53	1.5	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
181	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/02/12 09:00	150	34	1.8	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
182	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 09:40	326	43	2.8	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
183	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 09:50	244	55	3.1	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
184	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/02/12 10:30	366	54	3.1	Foskor	Sulphuric Acid B plant gas leak	66, 77, 1
185	SO ₂ Daily RSA Limit (48 ppb)	Scorpio	2022/02/05 00:00	114	203	2.5	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
186	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/02/05 00:00	114	203	2.5	No response required	None	2
187	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 15:00	376	182	1.9	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
188	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 15:10	265	179	1.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
189	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 15:20	411	181	2.1	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
190	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 15:30	493	177	2.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
191	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 15:40	472	181	2.2	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
192	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 15:50	432	174	2.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
193	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 16:00	621	169	2.8	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
194	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 16:00	450	173	2.2	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
195	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 16:10	419	176	2.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
196	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 16:20	440	174	2	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
197	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 16:30	411	175	2.3	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
198	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 16:40	471	173	2.1	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
199	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 16:50	342	174	1.6	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
200	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 17:00	292	168	1.7	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
201	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 17:00	228	161	2.1	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
202	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 17:10	223	159	2.4	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
203	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 17:30	287	162	2.2	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
204	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 17:40	224	158	1.9	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
205	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 17:50	222	159	2.1	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
206	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 18:00	295	161	2.6	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
207	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 18:00	345	168	1.7	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
208	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 18:10	289	163	2	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
209	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 18:20	250	164	1.9	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
210	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 18:30	306	171	1.3	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
211	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 18:40	467	175	1.4	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
212	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 18:50	461	173	1	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
213	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 19:00	542	178	0.8	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
214	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 19:00	467	180	0.8	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
215	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 19:10	507	176	0.6	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
216	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 19:20	450	176	0.7	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
217	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 19:30	446	182	0.9	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
218	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 19:40	449	185	0.8	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
219	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 19:50	410	183	0.7	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
220	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 20:00	416	183	0.7	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
221	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 20:00	411	186	0.5	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
222	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 20:10	441	190	0.2	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
223	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 20:20	339	193	0.4	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
224	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 20:30	359	183	0.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
225	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 20:40	494	180	0.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
226	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 20:50	415	187	0.6	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
227	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 21:00	439	194	0.4	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
228	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/05 21:00	288	197	1.3	Foskor (meteorology)	Responded: Foskor, South32	55, 78, 1
229	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 21:10	431	199	1.1	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
230	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 21:20	391	196	1.4	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
231	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/05 21:30	281	199	1.5	Foskor (meteorology)	Responded: Foskor, South32	54, 78, 1
232	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/02/06 00:00	39	203	2.2	No response required	None	2
233	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 13:40	217	172	4.2	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
234	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 13:50	207	171	3.6	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
235	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/06 14:00	203	170	3.4	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
236	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 14:20	261	169	3.1	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
237	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 14:40	358	175	3.5	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
238	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 14:50	247	169	3.5	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
239	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/02/06 15:00	264	172	3	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
240	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 15:10	318	171	2.9	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
241	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 15:20	309	178	3.2	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1
242	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 15:30	326	171	3.2	Unknown Source - further investigation required	Responded: Foskor, South32	56, 79, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
243	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 15:50	291	173	2.8	Unknown Source - further investigation required	Responded: Foskop, South32	56, 79, 1
244	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/06 16:30	196	171	2.7	Unknown Source - further investigation required	Responded: Foskop, South32	56, 79, 1
245	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/02/07 00:00	36	213	0.9	No response required	None	2
246	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/07 10:40	214	150	0.9	Foskop (meteorology)	Responded: South32	59, 1
247	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/07 14:00	323	167	1.8	Foskop (meteorology)	Responded: South32	59, 1
248	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/07 17:00	377	143	2.1	Foskop (meteorology)	Responded: South32	59, 1
249	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/07 17:20	226	135	1.6	Foskop (meteorology)	Responded: South32	59, 1
250	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/02/07 20:20	196	203	0.2	Foskop (meteorology)	Responded: South32	59, 1
251	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/02/08 00:00	22	224	1.3	No response required	None	2
			March 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/03/15 00:00	34	239	5.0	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/03/08 00:00	19	248	1.3	No response required	None	2
3	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/03/22 00:00	17	55	1.9	No response required	None	2
4	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/03/24 00:00	17	300	3.2	No response required	None	2
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/03/26 14:10	232	194	2.3	Foskop (meteorology)	Responded: Foskop, South32	81, 82
			April 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/04/16 00:00	19	231	3.8	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/04/25 00:00	21	243	4.4	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
3	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/04/26 00:00	21	238	4.1	No response required	None	2
4	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/04/21 00:00	23	37	3.4	No response required	None	2
5	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/04/22 00:00	20	46	3.6	No response required	None	2
6	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/04/29 00:00	25	40	0.3	No response required	None	2
7	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/04/04 00:00	20	34	3.7	No response required	None	2
8	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/04/05 00:00	31	232	2.1	No response required	None	2
9	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/04/07 00:00	21	230	3.9	No response required	None	2
10	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/04/07 09:00	237	180	4	Foskor	Sulphuric Acid A plant gas leak	83, 84
11	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/04/24 10:20	250	176	0.3	Foskor	Sulphuric Acid C plant gas leak	85, 87, 1
12	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/04/24 10:30	209	178	0.3	Foskor	Sulphuric Acid C plant gas leak	85, 87, 1
13	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/04/27 18:30	196	182	0.3	Foskor (meteorology)	Responded: South32	86, 1
14	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/04/27 18:40	239	175	0.3	Foskor (meteorology)	Responded: South32	86, 1
			May 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/05/21 00:00	19	241	4.3	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/05/22 00:00	23	251	6	No response required	None	2
3	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/05/23 00:00	25	242	4.4	No response required	None	2
4	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/05/06 00:00	18	37	0.3	No response required	None	2
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/05/12 22:20	481	51	0.3	Foskor (meteorology)	Responded: South32	89, 1

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
6	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/05/18 00:00	27	46	0.3	No response required	None	2
7	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/05/19 00:00	33	37	0.3	No response required	None	2
8	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/05/28 00:00	24	44	0.4	No response required	None	2
9	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/05/02 15:00	144	177	0.3	Foskor (meteorology)	Responded: South32	90, 91
10	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/05/06 00:00	17	37	0.3	No response required	None	2
11	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/05/17 00:00	16	35	0.3	No response required	None	2
12	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/05/19 00:00	34	37	0.3	No response required	None	2
			June 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	CBD	2022/06/16 00:00	16	256	3.8	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/06/04 00:00	26	297	0.2	No response required	Responded: South32	95
3	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/06/04 12:00	203	324	0.2	Foskor (meteorology)	Responded: South32	88, 95
4	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/06/04 12:00	171	268	0.2	Foskor (meteorology)	Responded: South32	88, 95
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/06/04 12:10	191	20	0.2	Foskor (meteorology)	Responded: South32	88, 95
6	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/06/04 12:20	204	347	0.2	Foskor (meteorology)	Responded: South32	88, 95
7	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/06/11 00:00	20	39	3.6	No response required	None	2
8	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/06/12 00:00	37	45	3.9	No response required	None	2
9	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/06/13 00:00	29	37	3.4	No response required	None	2
10	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/06/14 00:00	47	24	4.1	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
11	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/06/23 00:00	23	32	3.7	No response required	None	2
12	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/06/17 00:00	21	27	2.1	No response required	None	2
13	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/06/18 00:00	23	42	2.5	No response required	None	2
14	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/06/19 00:00	21	256	4.2	No response required	None	2
15	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/06/23 00:00	26	32	3.7	No response required	None	2
16	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/06/29 00:00	30	351	1.8	No response required	None	2
			July 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/02 00:00	29	37	4.6	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/03 00:00	20	40	2.6	No response required	None	2
3	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/09 00:00	17	50	4.4	No response required	None	2
4	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/10 00:00	34	34	3.9	No response required	None	2
5	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/13 00:00	17	354	2.3	No response required	None	2
6	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/18 00:00	24	43	4.5	No response required	None	2
7	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/19 00:00	28	35	4.5	No response required	None	2
8	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/07/29 00:00	22	46	5.7	No response required	None	2
9	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/01 00:00	24	28	3.2	No response required	None	2
10	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/02 00:00	24	37	4.6	No response required	None	2
11	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/03 00:00	45	40	2.6	Foskor	Sulphuric acid B plant startup	96

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
12	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/07/03 06:00	143	34	4.1	Foskor	Sulphuric acid B plant startup	96
13	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/10 00:00	46	34	3.9	No response required	None	2
14	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/11 00:00	17	223	1.6	No response required	None	2
15	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/07/11 13:00	237	191	3.1	Foskor (meteorology)	Responded: South32	93, 1
16	SO ₂ Hourly RSA Limit (134 ppb)	Scorpio	2022/07/11 13:00	137	183	2.5	Foskor (meteorology)	Responded: South32	94, 1
17	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/07/11 13:10	277	189	2.3	Foskor (meteorology)	Responded: South32	93, 1
18	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/12 00:00	17	70	1.9	No response required	None	2
19	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/13 00:00	24	354	2.3	No response required	None	2
20	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/17 00:00	20	31	3.3	No response required	None	2
21	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/18 00:00	15	43	4.5	No response required	None	2
22	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/19 00:00	42	35	4.5	No response required	None	2
23	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/21 00:00	16	304	1.9	No response required	None	2
24	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/23 00:00	18	35	4.2	No response required	None	2
25	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/07/27 00:00	23	331	2.4	No response required	None	2
			August 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/08/10 00:00	21	49	4	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/08/12 00:00	29	31	5.7	No response required	None	2
3	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/08/24 00:00	17	54	4.5	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
4	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/08/25 00:00	20	45	5.5	No response required	None	2
5	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/02 00:00	17	39	4.4	No response required	None	2
6	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/12 00:00	25	31	5.7	No response required	None	2
7	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/16 00:00	19	22	3.8	No response required	None	2
8	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/17 00:00	48	14	2.4	No response required	None	2
9	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/20 00:00	21	263	4.7	No response required	None	2
10	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/22 00:00	17	45	3	No response required	None	2
11	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/08/24 00:00	16	54	4.5	No response required	None	2
			September 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/09/02 00:00	20	48	5.8	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/09/08 00:00	16	57	4.8	No response required	None	2
3	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/09/25 00:00	17	48	4.2	No response required	None	2
4	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/09/29 00:00	20	26	4.7	No response required	None	2
5	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/09/05 00:00	19	217	4.5	No response required	None	2
6	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/09/06 00:00	18	194	2.5	No response required	None	2
7	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/09/29 00:00	27	26	4.7	No response required	None	2
			October 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/10/30 00:00	16	30	6.8	No response required	None	2

No	Target / Limit / Standard	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
2	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Scorpio	2022/10/02 10:40	292	173	2.2	Foskor (meteorology)	Responded: South32	97, 1
			November 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/11/03 00:00	16	55	4.3	No response required	None	2
2	SO ₂ Daily WHO Standard (15 ppb)	Scorpio	2022/11/05 00:00	30	295	4.1	No response required	None	2
			December 2022						
1	SO ₂ Daily WHO Standard (15 ppb)	Harbour West	2022/12/01 00:00	32	55	4.6	No response required	None	1
2	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/12/01 21:00	238	57	4.6	Foskor	Sulphuric acid C plant startup	98, 99
3	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/12/01 21:20	359	55	5	Foskor	Sulphuric acid C plant startup	98, 99
4	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/12/01 21:30	672	56	4.6	Foskor	Sulphuric acid C plant startup	98, 99
5	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/12/01 21:40	310	58	4.1	Foskor	Sulphuric acid C plant startup	98, 99
6	SO ₂ Hourly RSA Limit (134 ppb)	Harbour West	2022/12/01 22:00	202	46	4.5	Foskor	Sulphuric acid C plant startup	98, 99
7	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/12/01 22:30	255	44	4.6	Foskor	Sulphuric acid C plant startup	98, 99
8	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/12/01 22:40	384	44	4.6	Foskor	Sulphuric acid C plant startup	98, 99
9	SO ₂ 10-minute RSA & WHO Limit (191 ppb)	Harbour West	2022/12/01 22:50	233	45	5.2	Foskor	Sulphuric acid C plant startup	98, 99

Table 2:SO₂ Responses

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
3	Foskor - Billy-Joe Du Preez responded (03/01/2022 12:04 and 12:05): This morning we conducted an investigation to find the cause of the SO₂ exceedances recorded on the 1st and 2nd of January 2022. The investigation included standby personnel that was on duty over the weekend. We concluded that the SO₂ exceedances are a result of a minor weak acid leak in a bunded area. The leak occurred over the weekend in Sulphuric Acid A Plant weak acid section. The leak was immediately picked up by internal sensors and the supervisors were alerted. The leak was addressed on the same day(2nd of January 2022), but some of the weak acid reacted with the ceramic material of the bunded area and became airborne. The exceedances recorded on 2 January 2022 was the focus of our investigation. We believe that the two minor exceedances recorded on the 1st of January 2022 are a result of minor gas leaks. We are still tirelessly maintaining the gas leaks caused by thermal shock in Sulphuric A and B Plants. Sulphuric Acid A Plant was shut down at about 11:50, 3 January 2022 to address gas leaks.
4	South32- Alison Gerber responded (04/01/2022 10:38): There were no abnormal occurrences reported on the 1 January. Due to the wind direction Hillside may have contributed to the cumulative effect at Harbour West.
5	South32- Alison Gerber responded (04/01/2022 10:43, 10:43 and 10:48): No abnormal SO ₂ readings were noted on the 2 January. There was a small fresh alumina feed blockage on FTC2 (yellow line below) in the morning, but SO ₂ readings remained below the limit of 500mg/Nm ³ . Due to wind direction Hillside may have contributed to the cumulative effect at Arboretum and CBD stations
6	South32- Alison Gerber responded (04/01/2022 10:49): Due to the wind direction Hillside could not have contributed to the exceedances at Scorpio station on the 3 January.
7	Foskor - Billy-Joe Du Preez responded (05/01/2022 15:57): We believe that the exceedances recorded at Scorpio station on 3 January 2022 are a result of gas leak maintenance operations on Sulphuric Acid A Plant. Employees fixed gas leaks by removing torn cladding from ducts, this resulted in a minor SO ₂ gas release. At the time, Sulphuric Acid A Plant was shut down to properly focus on maintenance.
8	South32- Alison Gerber responded (07/01/2022 08:05): Hillside could not have contributed to the below exceedances at Brackenham and Scorpio stations due to the wind direction on the 4 Jan. Hillside may have contributed to the below exceedances based on wind direction. There was one abnormal occurrences reported on GTC2 when it tripped due to a power dip the duration of which was 19min this was however after 8pm and would not have had an impact on the exceedances noted throughout the day.
9	South32- Alison Gerber responded (07/01/2022 08:06 and 08:07): Hillside may have contributed to the below exceedances based on wind direction. There was one abnormal occurrences reported on GTC2 when it tripped due to a power dip the duration of which was 19min this was however after 8pm and would not have had an impact on the exceedances noted throughout the day.
10	South32- Alison Gerber responded (07/01/2022 10:21): Hillside could not have contributed to the exceedances based on the wind direction below.
11	South32- Alison Gerber responded (07/01/2022 10:27): Due to the wind direction Hillside could not have contributed to the exceedances on 6 Jan at Scorpio station.
12	Foskor - Billy-Joe Du Preez responded (07/01/2022 13:03): We believe that the SO₂ exceedances recorded below could be a result of Sulphuric Acid A Plant start-up processes. Foskor may have contributed to the below exceedances based on wind direction. Note LC: applies to exceedances on the 4th of January.
13	South32 - Alison Gerber responded, 10 /01/2022 13:01:It is unlikely that Hillside impacted the Felixton station at this with the below wind direction (E moving to ENE). Hillside could not have impacted the CBD station, the hours prior to the exceedance at the CBD indicate a northerly wind direction and the hours post the exceedance wind direction indicated ESE. It is unlikely that Hillside had an impact on the Harbour West Station due to the NE / ENE wind direction. There were no abnormal occurrences reported on the 7th January.

Response	Industry Feedback
14	South32- Alison Gerber responded (10/01/2022 13:05): Hillside could not have impacted Felixton station with an Easterly wind direction on the 7 January. Hillside could not have impacted Harbour West station with wind directions if E - ENE on the 7 January.
15	South32- Alison Gerber responded (10/01/2022 13:06): Hillside could not have impacted the Harbour West station on 7 January with a ENE wind direction.
16	South32- Alison Gerber responded (10/01/2022 13:11, 13:12): There were no abnormal occurrences reported on the 8 Jan all emissions were within permitted levels. It is unlikely that Hillside would have impacted Harbour West station with a NE wind direction.
17	South32- Alison Gerber responded (10/01/2022 13:13): There were no abnormal occurrences reported on the 8 Jan all emissions were within permitted levels. It is unlikely that Hillside would have impacted Harbour West station with a NE - ENE wind direction.
18	South32- Alison Gerber responded (10/01/2022 13:17): No abnormal occurrences were reported. Due to the wind direction Hillside may have contributed to the cumulative effect at Harbour West on the 9 January.
19	Tongaat Hulett - Nicolas Govender responded (13/01/2022 10:15, 10:16): Response for Felixton Station, we have shut down mill operations completely since the 21st December 2021. All effluent plant operations were normal. Wind directions also indicate this couldn't be related to TH.
20	Foskor - Billy-Joe Du Preez responded (13/01/2022 16:08): With regards to CBD, Scorpio and Harbour West stations: On the 7th of January 2022, Sulphuric Acid C Plant was stopped and started twice to test newly installed mechanical parts. Some of the maintenance operations included scrubber activity and we believe that this could have resulted in minor gas releases from 09:30 – 12:00. Foskor may have contributed to the below exceedances based on wind direction.
21	Foskor - Billy-Joe Du Preez responded (13/01/2022 16:10): Due to Sulphuric Acid C Plant stoppages and start-ups experienced the previous day and wind direction, Foskor may have contributed to the below exceedances based on wind direction.
22	Foskor - Billy-Joe Du Preez responded (13/01/2022 16:12): Foskor may have contributed to the below exceedances based on wind direction. On the 9th of January 2022 Sulphuric Acid A Plant was stopped at 09:11 to repair a minor gas leak on the final cooler shell. The leak was repaired the same day.
23	Foskor - Billy-Joe Du Preez responded (13/01/2022 16:15): With regards to the exceedances recorded on the 10th of January 2022. Foskor may have contributed to the below exceedances based on wind direction. We believe continuous ducting maintenance could have led to minor gas release. Scaffolding was erected at various points in the Sulphuric Acid Plants and compromised ducting was removed and fitted with new ducting.
24	Foskor - Billy-Joe Du Preez responded (13/01/2022 16:18): Since the 28th of December 2021 Sulphuric Acid C Plant was started and shutdown as the engineers saw fit, these start-ups was done to test newly installed mechanical equipment. Sulphuric Acid C Plant was fully started on the 6 January 2022 with a very low burner temperature. Sulphuric Acid C Plant acid profile was not optimal, the start-up of Sulphuric Acid C Plant on 6 January 2022 was a cold start-up. Start-up operations could be the cause of the exceedances. Turbine was surging and acid flow was weak.
25	South32- Alison Gerber responded (14/01/2022 08:26): Hillside could not have contributed to the exceedance based on the wind direction.
26	South32- Alison Gerber responded (14/01/2022 08:27): Hillside could not have contributed to the exceedance based on the wind direction.
27	Foskor - Sabelo Forere responded (14/01/2022 10:15): In response to the SO ₂ exceedance recorded at Scorpio: Purpose of Gas Leaking Structure The super heater's purpose is meant to keep the SO ₂ gas at optimum temperature for its efficient conversion to SO ₃ . Root Cause There was a gas leak emanating from the C plant's super heater. Corrective Actions Contractors have been instructed to install scaffolding on site to prepare for the repairing of the super heater to mitigate the gas leak. At this present moment they are busy erecting scaffolding.
28	South32- Alison Gerber responded (17/01/2022 10:44 to 10:46): Based on the wind direction Hillside could not have contributed to the exceedance.
29	Foskor - Billy-Joe Du Preez responded (21/01/2022 12:14): Foskor may have contributed to the below exceedances based on wind direction. Minor gas leaks were observed after shift handover in the morning. External service provider was contacted to fix the leaks immediately. Scaffolding was erected and the leaks were addressed shortly afterwards.

Response	Industry Feedback
30	Foskor - Billy-Joe Du Preez responded (21/01/2022 12:19): On the 14th of January 2022 Foskor experienced a minor incident on the A&B Final Stack. Supervisors and employees noticed a small crack in the lower level of the Stack, this resulted in some gas release. The Sulphuric Acid Plants were purged and shut down. The crack was patched and inspected by Sulphuric employees before they planned to resume operations.
31	Mpact - Yolandi Schoeman responded, 21 /01/2022 13:08: On 7 Jan 2022 an Easterly wind was blowing at the time of the exceedance. Paper machine reports show that the machine stopped for an hour and started up smoothly. No Eskom power dips occurred that could of upset the processes. The boiler house reports indicate no abnormal conditions and the boiler stack opacities remained well below the permitted limits on Friday afternoon. No cleaning/desludging activities occurred at the Effluent Plant on 7 January 2022. Mpact is unlikely to be the source of the SO2 exceedance that occurred at the Felixton Station on the 7 Jan 2022.
32	South32- Alison Gerber responded (21/01/2022 13:23, 13:24): No abnormal occurrences were reported on the morning of 16 January. Due to wind direction Hillside may have contributed to the exceedances at Harbour West
33	South32- Alison Gerber responded (21/01/2022 13:27 to 13:29): No abnormal occurrences were reported on the evening of 18 Jan. However due to wind direction Hillside may have contributed to the exceedances at Harbour West.
34	South32- Alison Gerber responded (21/01/2022 13:32): No abnormal occurrences were reported the morning of 19 Jan. Due to the wind direction Hillside may have contributed to the exceedance.
35	South32- Alison Gerber responded (27/01/2022 14:29 and 14:30): There were no abnormal occurrences reported at the time on 21 Jan. Due to the wind direction Hillside may have contributed to the cumulative exceedance at Harbour West.
36	South32- Alison Gerber responded (27/01/2022 14:33 and 14:34): There were no abnormal occurrences reported on the 22 Jan. Due to the wind direction Hillside could not have contributed to the exceedances at Scorpio station. Hillside may have contributed to the cumulative impact at CBD station due to the wind direction.
37	South32- Alison Gerber responded (27/01/2022 14:35): Due to the wind direction Hillside could not have impacted the Scorpio station exceedance.
38	South32South32- Alison Gerber responded (27/01/2022 14:37): Hillside could not have contributed to the exceedances at Scorpio and Felixton station due to the wind direction. Hillside may have contributed to the cumulative exceedances at Arboretum and CBD stations due to the wind direction
39	South32- Alison Gerber responded (27/01/2022 14:38): Hillside could not have contributed to the exceedances at Scorpio station due to the wind direction. Hillside may have contributed to the cumulative exceedances at Arboretum and CBD stations due to the wind direction.
40	South32- Alison Gerber responded (27/01/2022 14:39): Due to the wind direction Hillside could not impacted the Scorpio station.
41	South32- Alison Gerber responded (27/01/2022 14:42): There were no abnormal occurrences reported on the 25 Jan. Hillside could not have contributed to the exceedances at Scorpio due to the wind direction. Hillside may have contributed to the cumulative exceedance at Harbour West due to the wind direction.
42	South32- Alison Gerber responded (27/01/2022 14:42): There were no abnormal occurrences reported on the 25 Jan. Hillside may have contributed to the cumulative exceedance at Harbour West due to the wind direction.
43	South32- Alison Gerber responded (27/01/2022 14:45 and 14:46): No abnormal occurrences were reported on the 26 Jan. GTC2 and GTC4 SO2 analysers were scheduled for calibration. Due to the wind direction Hillside may have contributed to the cumulative exceedances at Harbour West.
44	Foskor - Billy-Joe Du Preez responded (02/02/2022 12:01): Based on the exceedance log sent there are a few SO2 exceedance response required for 7 January 2022. Foskor's response is below for CBD, Scorpio and Harbour West. In the response we stated that the scrubber activity continued until 12:00, that would include the

Response	Industry Feedback
	Harbour West exceedance at 12:00 and the Scorpio exceedance at 11:40. Exceedance recorded at CBD at 06:20 can also be linked to Foskor's response. Kind regards, "Good afternoon, Sandy, With regards to CBD, Scorpio and Harbour West stations: On the 7th of January 2022, Sulphuric Acid C Plant was stopped and started twice to test newly installed mechanical parts. Some of the maintenance operations included scrubber activity and we believe that this could have resulted in minor gas releases from 09:30 – 12:00. Foskor may have contributed to the below exceedances based on wind direction.
45	Foskor - Billy-Joe Du Preez responded (02/02/2022 13:51): For 06:00 exceedance: "Dear Sandy. We have investigated the matter. The team was starting the A-Plant around 04h00 this morning, they discovered that there leaks in the scrubber ducting, which they attended. Thanks." For 21:00-22:00: Due to Plant activities. Relevant people will engage the engineers to check if there was any process upset or what during this time. Feedback will be provided by the relevant people.
46	South32- Alison Gerber responded (03/02/2022 09:42): We had no abnormal occurrences on the 1 Feb. Due to the wind direction Hillside may have contributed to the cumulative impact at Harbour West station.
47	South32
48	South32- Alison Gerber responded (03/02/2022 09:45 to 09:46): We had no abnormal occurrences on the 2 Feb. Due to the wind direction Hillside may have contributed to the cumulative impact at Harbour West station.
49	Mondi- Tyneal Jhugroo responded (04/02/2022 09:46): Based on wind direction, it is unlikely that Mondi contributed to the SO2 exceedances.
50	Mpact - Yolandi Schoeman responded, 04 /02/2022 13:12: Mpact Felixton conducted a maintenance shut yesterday, 3 Feb 2022, hence all plants within the mill were offline. When the notification SMS was received activities at the Effluent Treatment Plant(ETP) an Boiler house Plant were immediately investigated. The ETP did not conduct any pond ; clarifier or reservoir cleaning activities yesterday during the shut. Boiler house operators were also not busy with activities such as coal handling that could of affected the ambient air quality. Mpact could not have contributed to the SO2 exceedance experienced at the Felixton station on 3 Feb 2022.
51	South32- Alison Gerber responded (07/02/2022 09:40): We had no abnormal occurrences reported on 3 Feb. CBD - Due to the wind, Hillside may have contributed to the cumulative effect at CBD station. Felixton – Hillside could not have impacted the station with a wind direction of 236. Harbour West - Due to the wind, Hillside may have contributed to the cumulative effect at Harbour West station.
52	South32- Alison Gerber responded (07/02/2022 09:41): We had no abnormal occurrences reported on 3 Feb. CBD - Due to the wind, Hillside may have contributed to the cumulative effect at CBD station. Harbour West - Due to the wind, Hillside may have contributed to the cumulative effect at Harbour West station.
53	South32- Alison Gerber responded (07/02/2022 09:42): We had no abnormal occurrences reported on 3 Feb. Harbour West - Due to the wind, Hillside may have contributed to the cumulative effect at Harbour West station.
54	South32- Alison Gerber responded (07/02/2022 09:47): No abnormal occurrences occurred on the 5 Feb. CBD – Due to wind direction may have contributed to the cumulative effect at the CBD Station. Scorpio – Due to the wind direction could not have contributed to the exceedances at Scorpio station
55	South32- Alison Gerber responded (07/02/2022 09:48 and 9:49): No abnormal occurrences occurred on the 5 Feb. Scorpio – Due to the wind direction could not have contributed to the exceedances at Scorpio station.
56	South32- Alison Gerber responded (07/02/2022 09:52): There was no abnormal occurrences reported on 6 Feb. Arboretum – Hillside may have contributed to the cumulative effect at Arboretum Station based on Wind direction. CBD - Hillside may have contributed to the cumulative effect at CBD Station based on Wind direction. Scorpio – Hillside could not have contributed to the exceedances at Scorpio station based on the wind direction.

Response	Industry Feedback
57	South32- Alison Gerber responded (07/02/2022 09:57): There was no abnormal occurrences reported on 6 Feb. Scorpio – Hillside could not have contributed to the exceedances at Scorpio station based on the wind direction.
58	South32- Alison Gerber responded (08/02/2022 12:36): There were no abnormal occurrences reported on 7 Feb. All SO2 levels within permitted limits. Due to the wind direction Hillside may have contributed to the cumulative effect at the Arboretum station.
59	South32- Alison Gerber responded (08/02/2022 12:37): There were no abnormal occurrences reported on 7 Feb. All SO2 levels within permitted limits. Due to the wind direction Hillside may have contributed to the cumulative effect at the Arboretum station. Due to the wind direction Hillside could not have contributed to the exceedances at Scorpio Station.
60	Mpact - Yolandi Schoeman responded, 08 /02/2022 13:22: A Northerly wind was detected at the Felixton monitoring station on 23 Jan 2022. Reports indicate there were no abnormal conditions at the paper machine that could of resulted in upset conditions. The boiler house was running smoothly and no abnormal occurrences were reported. The Effluent Treatment Plant did not conduct any clarifier/pond cleaning activities that evening. Mpact Felixton Mill could not have contributed to the SO2 exceedances recorded on 23 Jan 2022.
61	Foskor - Billy-Joe Du Preez responded (08/02/2022 14:38): On 18 January 2022 Sulphuric Acid B Plant were shut down at approximately 06:43 to repair a minor acid leak in the Final Cooler ducting, Burner temp was 800°C at this point. B Plant was then started at approximately 15:38 after the repairs were done. At start up the Burner temp was 540°C. This is the only abnormal occurrence recorded for Sulphuric Acid section on 18 January 2022.
62	Foskor - Billy-Joe Du Preez responded (08/02/2022 14:45): On 21 January 2022 Sulphuric Acid A Plant were shut down at approximately 07:15 to repair a minor acid leak in the Final Cooler ducting, Burner temp was 930°C at this point. B Plant was then started at approximately 15:10 after the repairs were done. At start up the Burner temp was 659°C. This is the only abnormal occurrence recorded for Sulphuric Acid section on 21 January 2022.
63	South32- Alison Gerber responded (09/02/2022 09:32): No abnormal occurrences reported in the evening of 7 Feb and early hours of 8 Feb. SO2 levels were within the permitted levels. FTC1 had a 24hr shut on 8 Feb and Bake Furnace 1 & 2 were turned off between 1 and 2am so that the FTC shut could start at 6am. Due to the wind direction Hillside may have contributed to the cumulative effect at Arboretum station.
64	South32- Alison Gerber responded (11/02/2022 10:54): No abnormal occurrences were reported on 10 Feb and all emissions were within permitted levels. Due to the wind direction Hillside may have contributed to the cumulative effect at Harbour West station.
65	Tongaat Hulett - Nicolas Govender responded (15/02/2022 09:28): We are currently on a maintenance shut. There are no operations that may have contributed SO2 from Felixton currently.
66	South32- Alison Gerber responded (15/02/2022 11:01): No abnormal occurrences were reported on 12 February and all SO2 emissions were within permitted levels. Due to the wind direction, Hillside may have contributed to the cumulative effect at Harbour West.
67	South32- Alison Gerber responded (15/02/2022 11:02): No abnormal occurrences were reported on 12 February and all SO2 emissions were within permitted levels. Due to the wind direction, Hillside may have contributed to the cumulative effect at Harbour West.
68	Foskor - Billy-Joe Du Preez responded (17/02/2022 15:49): High levels of SO2 emissions were caused by a gas leak in Sulphuric Acid C Plant in the early morning hours. Sulphuric Acid C Plant was then shut down to attend to the gas leak. Sulphuric Acid C Plant was then started at 13:15 which might have been the cause of the recorded exceedances. The Sulphuric Acid C Plant was consistently running. Foskor promised the RBCAA that all future Sulphuric Acid Plants start-ups activities will be reported to authorities and stakeholders.
69	Foskor - Billy-Joe Du Preez responded (17/02/2022 15:40 and 16:01): The follow response explains SO2 exceedances recorded on 23 January 2022. The Sulphuric Acid B Plant was stopped at 07:50 to address the Final Tank acid leak above the balancing line. Shortly after the 07:50 shut personnel also attended to gas leaks on Economizer #2 Outlet Ducting. Sulphuric Acid B Plant was restarted later, however the Acid B Plant experienced a breakdown at 14:57. The Sulphuric Acid B Plant was then restarted at 20:35. The start-up at 20:35 could have been the cause of late-night exceedances.
70	Foskor - Billy-Joe Du Preez responded (17/02/2022 15:36): On the 19th of Jan 2022 Foskor repaired 4 minor gas leaks at the Sulphuric Acid A Plant. 1-Repair gas leak on Economizer drain stub. 2-Repair Gas Leak Third Pass Outlet.

Response	Industry Feedback
	3-Repair Gas Leak 2nd Pass Outlet. 4-Repair gas leaks on convertor shell above 3rd pass. Please consult the provided Gas Leak Schedule for further information, also note the status of the Sulphuric Acid A Plant while the job was done as offline or online.
71	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:02): The Sulphuric Acid A Plant was started at 04:00 in the morning, during start-up it was discovered that there were leaks in the scrubber ducting, which might have contributed to the SO ₂ exceedances recorded at RBCAA stations. The leaks were immediately attended to.
72	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:02): The SO ₂ exceedances recorded at RBCAA station might have been caused by the gas leaks from the Sulphuric Acid A Plant. On the 1st of February 2022 Sulphuric Acid A Plant was shut down to perform the following gas leak repairs: 1. Repair gas leak on Sulphuric Acid A Plant Interpass section. 2. The inlet duct at Economiser No.2 in Sulphuric Acid A Plant. 3. Gas leak repair activities also took place at Boiler No. 1 in Sulphuric Acid A Plant. Please consult the provided Gas Leak Schedule for further information, also note the status of the Sulphuric Acid A Plant while the job was done as Offline or Online.
73	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:06): High levels of SO ₂ emissions might have caused by the acid leak at the final cooler tubes. On 2nd of February 2022, the Sulphuric Acid B Plant was shut down at 20:16 to repair an acid leak at the final cooler tubes.
74	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:06): On 3rd of February 2022, there was a gas leak at the Sulphuric Acid A Plant Exchanger on the Interpass outlet section. The following repairs took place: Repaired a gas leak on Interpass Outlet section at the Exchanger. Please consult the provided Gas Leak Schedule for further information, also note the status of the Sulphuric Acid Plant while the job was done as Offline or Online.
75	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:13): ALL our plants have been purged and offline for the last week. Our Safety Officers are proactively doing their daily checks with no findings for the past week. NB: Foskor requested to review response by RBCAA (01/03/2022 08:42) Foskor - Nkosinathi Mqadi responded (15/03/2022 16:23): "Foskor states that; "ALL our plants have been purged and offline for the last week".-This message was sent on the 16th of February 2022 and is correct. The plants were running cold on the 09th of February 2022. Purging started from the 09th of February after all preparations were completed. Purging continued on the 10th of Feb 2022. On the 16th of Feb 2022 as stated ALL the plants were offline and purged. "This statement is not correct based on communications between the RBCAA and Foskor." The communication between the RBCAA and Foskor as seen below was sent on 08 Feb 2022 and start-up was scheduled for C plant NOT A plant. However, C plant had breakdown on the waste heat boiler hence was stopped on the 10th of Feb 2022 therefore could not start-up. A plant was on the mentioned planned annual maintenance shut from the 10th of Feb 2022 until the 06th of March 2022. B plant attempted to start-up on the 19-20th Feb 2022 without Sulphur (hence NO SO ₂ emission except AIR and Water vapor) but remained offline throughout this period for maintenance and screening of catalyst and is still offline. The above statement can be linked to all other enquiries in the mentioned time period.
76	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:16): ALL our plants have been purged and offline for the last week. Our Safety Officers are proactively doing their daily checks with no findings for the last 9 days. NB: Foskor requested to review response by RBCAA (01/03/2022 08:34)
77	Foskor - Billy-Joe Du Preez responded (17/02/2022 16:37): Exceedances recorded on the 12th of February were caused by fumes emanating from the effluent / by-product. About the SO ₂ elevation, the exceedances were a result of the effluent / by-product line leak at the Sulphuric Acid B Plant, which resulted to elevated SO ₂ emissions. At 13:18 Sulphuric Acid B Plant was stopped to address the leak.
78	Foskor - Billy-Joe Du Preez responded (18/02/2022 13:29): Sulphuric Acid Plants A and B were down for routine maintenance on 5 February 2022 and C Plant was operating within the minimum emission standards. No gas leaks were reported on the 5th of February 2022. NB: Response not accepted by RBCAA (01/03/2022 07:32) Foskor - Nkosinathi Mqadi responded (15/03/2022 16:29): Sulphuric Acid A and B plants were offline (0 reading), and Sulphuric C plant was well within emission limit as seen below. Please also revise a previous communication sent by Foskor today indicating which Sulphuric Acid plants were fully operational and burning sulphur during this time. NB: (16/01/2022 17:16) The RBCAA will allocate the exceedances to Foskor based on the information provided by Foskor to the RBCAA, via WhatsApp, on 5th February 2022 stating that there was a gas leak at the Sulphuric C Plant. The prevailing winds for the period 14h00 – 22h00 on 5th February indicate that SO ₂ emissions recorded at the RBCAA's SCORPIO station could only have emanated from the Foskor facility.

Response	Industry Feedback
79	Foskor - Billy-Joe Du Preez responded (18/02/2022 13:31): Sulphuric Acid Plants A and B were down for routine maintenance on 6 February 2022 and C Plant was operating within the minimum emission standards. No gas leaks were reported on the 6th of February 2022. NB: Response not accepted by RBCAA (01/03/2022 08:23) Foskor - Nkosinathi Mqadi responded (15/03/2022 16:26): Please find Foskor's response below, Please note that during this period Sulphuric Acid A and B plants were on the planned maintenance shut. Sulphuric Acid C plant was well within emission limit of 400 ppm for several hours, an instantaneous spike at 14h42 and the plant was stopped immediately, seen in the dip after the spike, and the BELLOW was replaced on the second pass. This exceedance was less than a minute from 14:40:18-14:41:08 (50 seconds) and this will not cause a major impact at such a short interval.
80	Foskor - Billy-Joe Du Preez responded (21/02/2022 15:00): On the 22 January 2022, the cause of the SO2 exceedances were the gas leaks from Sulphuric Acid A Plant Economizer No.1 and Superheater. At 11h30 the Sulphuric Acid A Plant was shut for gas leak repairs and mitigation of the risk. The following repairs were done: Repair Gas Leak on the Economiser No1 & Superheater at the Sulphuric Acid A Plant and the repair of gas Leak at Sulphuric Acid A Plant Converter. Please consult the provided Gas Leak Schedule for further information, also note the status of the Sulphuric Acid Plant as Offline or Online.
81	Foskor - Nkosinathi Mqadi responded (28/03/2022 13:15): At 14:46 26 March 2022 Foskor was notified of a SO2 10-min exceedance at RBCAA Scorpio Weather Station. Sulphuric Acid Plant supervisors and engineers were immediately notified, they investigated the Sulphuric Acid Plants for the root cause of the SO2 exceedance. It was noted that Sulphuric Acid A Plant was online and running on scrubber during the time of the exceedance. Plant parameters were checked, and no abnormalities were detected. Sulphuric Acid Plants were closely monitored for the rest of the weekend.
82	South32- Dan Mkhwanazi responded (29/03/2022 06:41): here were NO abnormal occurrences on the plant on the 26 March. Scorpio: due to wind direction, Hillside could not have contributed to the exceedances at the Scorpio station.
83	South32- Alison Gerber responded (08/04/2022 10:27): Hillside could not have contributed to the exceedance at Scorpio station based on the wind direction.
84	Foskor - Nkosinathi Mqadi responded (08/04/2022 14:10): With regards to the SO2 exceedance recorded yesterday at Scorpio station. A gas leak in the Sulphuric Acid A Plant was discovered yesterday morning. The gas leak was a priority and maintenance team worked on the leak as soon as it was discovered before 09:00 in the morning, and this can be seen in the dramatic drop in recorded SO2 levels in the graph after the peak. SO2 levels dropped after 11:30 when the leak was properly attended to.
85	Foskor - Nkosinathi Mqadi responded (25/04/2022 13:45): With regards to the SO2 exceedance recorded yesterday morning at Scorpio station. A gas leak in the Sulphuric Acid C Plant was discovered. The leak was a priority and maintenance team worked on the leak as soon as it was discovered before 10h00. Gas leak closing operations commenced shortly afterwards and this can be seen in the drop of recorded SO2 levels in the graph after the peak. SO2 levels dropped after 12h30 when the leak was properly attended to.
86	South32- Dan Mkhwanazi responded (05/05/2022 10:34): Based on the wind direction, Hillside could not caused the exceedance.
87	South32- Dan Mkhwanazi responded (05/05/2022 10:38): Based on the wind direction, Hillside could not have caused the exceedance on the Scorpio station.
88	South32- Dan Mkhwanazi responded (06/06/2022 09:25): Due to wind direction, Hillside would not have caused or contributed to exceedance of SO2 this time. Kind regards,
89	South32- Dan Mkhwanazi responded (14/06/2022 07:02): Due to wind direction at the time, Hillside could not have caused the exceedance at this station.
90	South32- Dan Mkhwanazi responded (23/06/2022 15:40): Based on the wind direction on during the exceedance, South32 Hillside could not have been the course of the exceedance.
91	Foskor - Nkosinathi Mqadi responded (08/04/2022 14:10):
92	South32- Dan Mkhwanazi responded (04/07/2022 09:30): Based on wind direction during the exceedance, Hillside could not have caused the SO2 exceedance.
93	South32- Dan Mkhwanazi responded (12/07/2022 13:18): Reponse to both exceedances mentioned; based on wind directions of 189 and 191, Hillside could not have caused exceedances of SO2 at the Scorpio station.
94	South32- Dan Mkhwanazi responded (12/07/2022 13:21): Based on the wind direction of 183, Hillside could not have caused the SO2 limit exceedance at the Scorpio station.

Response	Industry Feedback
95	Foskor - Sandile Mdamba responded (18/07/2022 17:09): On the 4th of June 2022 - There were no plant startups and all plants were running except Sulphuric B plant which was on shut, there were no reported and repaired gas leaks as per maintenance reports however, due to very calm wind speeds coupled with very low ambient temperature at the time Foskor could have contributed to the exceedance at Harbour monitoring station.
96	Foskor - Sandile Mdamba responded (18/07/2022 17:09): On the 3rd of July 2022 – The sulphuric B plant was stopped due to vibrations on the final tower pump the startup has an affinity to raise SO2 and this would have most likely attributed to exceedances at the Scorpio monitoring station.
97	South32- Dan Mkhwanazi responded (2022/10/06 11:29): Based on the wind direction and the position of the Scorpio station in relation to Hillside, Hillside could not have contributed to this SO2 exceedance on this day.
98	South32- Dan Mkhwanazi responded (2022/12/02 11:08): All our plants and equipment operated without any abnormalities or malfunctions during the exceedance recorded. Further, based on the wind direction, Hillside could not have contributed to these 2 exceedances recorded at Harbor West Station. South 32- Dan Mkhwanazi responded (2022/12/02 12:55): Hillside may have contributed to this exceedance on this station. I am awaiting response from production, to ascertain if there is any production/equipment related issues that can be associated with elevated recordings on the day at Harbor West. For this reason, I am requesting an extension to Monday COB, for a detailed analysis and response. Dan Mkhwanazi responded (2022/12/06 07:51): Hillside's SO2 emissions were within the 500 and 250 mg/Nm3 Averaged Daily AEL Limits for FTCs and GTCs respectively. Importantly, measured hourly emissions for FTC12 was a maximum of 286, and for GTC2,4 was 168 between periods 21h00 and 23h00. This morning production reported that there were no abnormal occurrences or operational challenges experienced during this day. Based on the wind direction and low speeds, Hillside may have contributed to the exceedance on the Harbour West station even though the AEL limits were not exceeded.
99	Foskor - Sandile Mdamba responded (2022/12/02 14:29): We had a start up at our sulphuric C- plant yesterday at round about 20h:40 this could have accumulative impacts which could have led to exceedances at Harbour West. The plant has normalised and is currently running well. I have urged maintenance engineers to keep a close eye on the plants in particular C – plant as it just emerged from its annual shutdown.

APPENDIX J

TRS EXCEEDANCE LOG

Table 1: TRS Exceedances

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			January 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/01/23 06:00	5	254	1.5	Mondi	Secondary effluent treatment plant	27, 1
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/01/23 06:30	5	259	1.6	Mondi	Secondary effluent treatment plant	27, 1
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/01/29 22:30	5	No Data	1.3	Mondi (meteorology)	Based on wind direction	43, 1
4	TRS 10-minute OME Limit (9.3 ppb)	CBD	2022/01/29 23:00	10	264	1.4	Mondi (meteorology)	Based on wind direction	43, 1
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/01/29 23:00	7	265	1.5	Mondi (meteorology)	Based on wind direction	43, 1
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/01/30 02:30	8	No Data	0.7	Mondi (meteorology)	Based on wind direction	42, 1
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/01/30 03:00	7	No Data	0.2	Mondi (meteorology)	Based on wind direction	42, 1
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/01 00:00	6	303	0.4	Mondi	Mill start-up - partial	5, 1
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/01 00:30	5	285	0.3	Mondi	Mill start-up - partial	5, 1
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/01 03:30	7	75	0.4	Mondi	Mill start-up - partial	5, 1
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/01 04:00	5	59	0.3	Mondi	Mill start-up - partial	5, 1
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/05 15:00	5	97	4.6	Mondi	Mill start-up - partial	9, 1
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/05 15:30	5	98	4.3	Mondi	Mill start-up - partial	9, 1
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/08 04:00	7	77	0.4	Mondi	Mill start-up - partial	11, 14

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/23 20:00	6	39	0.5	Mondi	Secondary effluent treatment plant	27, 1
16	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/23 20:30	10	46	0.8	Mondi	Secondary effluent treatment plant	26, 32, 1
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/23 20:30	10	36	0.5	Mondi	Secondary effluent treatment plant	27, 1
18	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/23 20:50	10	6	0.1	Mondi	Secondary effluent treatment plant	26, 32, 1
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/26 04:00	6	72	0	Unknown Source - further investigation required	Responded: Mpact	35, 1
20	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/31 01:00	15	45	0.1	Mondi (meteorology)	Based on wind direction	41, 1
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/31 01:00	14	39	0	Mondi (meteorology)	Based on wind direction	41, 1
22	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/31 01:10	17	37	0	Mondi (meteorology)	Based on wind direction	41, 1
23	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/31 01:20	11	35	0	Mondi (meteorology)	Based on wind direction	41, 1
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/31 01:30	8	55	0	Mondi (meteorology)	Based on wind direction	41, 1
25	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/31 01:50	14	55	0	Mondi (meteorology)	Based on wind direction	41, 1
26	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/01/31 02:00	16	46	0	Mondi (meteorology)	Based on wind direction	41, 1
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/01/31 02:00	9	47	0.3	Mondi (meteorology)	Based on wind direction	41, 1
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/01 04:30	8	62	1.2	Mondi	Mill start-up - partial	5, 13
29	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 04:50	21	50	0.9	Mondi	Mill start-up - partial	5, 13
30	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 05:00	52	26	1	Mondi	Mill start-up - partial	5, 13
31	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/01 05:00	42	31	1.7	Mondi	Mill start-up - partial	5, 13
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 05:10	41	31	1.8	Mondi	Mill start-up - partial	5, 13

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
33	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 05:20	33	35	2.2	Mondi	Mill start-up - partial	5, 13
34	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 22:30	10	79	0.4	Unknown Source - further investigation required	Responded: Mond, Tongaat Hulett	5, 13
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/01 22:30	15	276	1	Unknown Source - further investigation required	Responded: Mond, Tongaat Hulett	5, 13
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 22:40	16	288	1	Unknown Source - further investigation required	Responded: Mond, Tongaat Hulett	5, 13
37	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 22:50	20	260	1.5	Unknown Source - further investigation required	Responded: Mond, Tongaat Hulett	5, 13
38	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/01 23:00	16	256	1.5	Unknown Source - further investigation required	Responded: Mond, Tongaat Hulett	5, 13
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/01 23:00	7	262	1.6	Unknown Source - further investigation required	Responded: Mond, Tongaat Hulett	5, 13
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/05 14:30	7	99	4	Mondi	Mill start-up - partial	4, 9,13
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/06 18:00	5	197	1.1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	3, 13, 9
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/07 07:00	11	201	0.7	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	6, 13, 1
43	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/07 07:10	14	208	0.5	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	6, 13, 1
44	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/07 07:20	12	193	0.8	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	6, 13, 1
45	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/07 22:30	6	26	0	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	6, 12, 13
46	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/07 22:40	11	46	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	6, 13, 1
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/07 23:00	10	337	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	6, 13, 1
48	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/07 23:00	12	2	0	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	6, 12, 13
49	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/07 23:10	12	14	0	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	6, 12, 13
50	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/07 23:20	13	14	0	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	6, 12, 13

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
51	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/07 23:30	6	296	0.3	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	6, 12, 13
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 03:00	17	166	0.5	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
53	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/08 03:00	14	164	0.3	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	7,11, 14
54	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 03:10	11	158	0.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
55	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 03:20	15	182	0.3	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
56	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 03:30	19	325	0.3	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/08 03:30	15	31	0.6	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	7,11, 14
58	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 03:40	15	38	0.9	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 03:50	12	76	0.7	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
60	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/08 04:00	10	80	0.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	7,13
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/08 04:00	8	77	0.4	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	7,11, 14
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/09 00:00	8	18	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	8, 10, 14
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/09 00:10	12	18	0.9	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	8, 14,1
64	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/09 00:20	11	15	1.3	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	8, 14,1
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/13 06:00	62	320	0	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	15, 20, 21
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 06:10	45	41	0	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	15, 20, 21
67	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 06:20	140	263	0	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	15, 20, 21
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/13 19:00	13	208	1.6	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	15, 20, 21

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
69	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 19:10	25	214	1.6	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 20:00	10	227	0.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/13 20:00	13	247	0.7	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
72	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 20:10	16	267	0.8	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
73	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 20:20	12	246	0.9	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
74	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/13 20:30	13	258	1.1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/13 20:30	7	271	1.2	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	15, 20, 21
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/14 21:30	12	15	0.2	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	19, 22
77	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/14 21:40	16	358	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	16, 19, 1
78	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/14 21:50	11	41	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	16, 19, 1
79	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/14 22:00	11	341	0.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	16, 19, 1
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/14 22:00	7	10	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	19, 22, 1
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/18 04:30	7	164	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17,18, 23
82	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/18 05:00	7	81	1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17,18, 23
83	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/18 05:20	10	66	0.8	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17,18, 23
84	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/18 05:30	6	3	0.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17,18, 23
85	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/18 06:30	16	56	0.9	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17,18, 23
86	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/18 06:30	45	70	0.7	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17,18, 23

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
87	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/18 06:40	52	74	0.5	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17, 18, 23
88	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/18 06:50	68	80	0.7	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17, 18, 23
89	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/18 07:00	20	61	0.8	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17, 18, 23
90	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/18 07:00	16	46	1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17, 18, 23
91	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/18 07:10	20	33	1.5	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	17, 18, 23
92	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 00:00	8	28	1.6	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
93	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 00:10	11	30	1.5	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
94	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 01:30	28	19	0.9	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
95	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 01:40	39	15	0.7	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
96	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 01:50	38	20	0.8	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
97	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 02:00	62	34	0.8	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 02:00	47	32	0.5	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
99	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 02:10	46	32	0.4	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
100	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 02:20	31	29	0.2	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
101	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 02:30	33	30	0.7	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 02:30	27	41	0.9	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
103	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 02:40	26	46	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30
104	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 02:50	20	47	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	24, 29, 30

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
105	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 03:00	37	44	0.8	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 03:00	32	43	0.8	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
107	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 03:10	33	38	0.9	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
108	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 03:20	25	46	0.7	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
109	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 03:30	26	92	0	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
110	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 03:30	19	51	0.2	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
111	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 03:40	21	14	0.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
112	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 03:50	11	47	0.1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
113	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 05:30	8	355	0.1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
114	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/21 05:40	10	355	0.2	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
115	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 06:00	7	69	0.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
116	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 06:30	7	53	0.7	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
117	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 19:30	8	185	0.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
118	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/21 20:00	6	298	0.2	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	24, 29, 30
119	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/22 19:00	25	176	1.8	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
120	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/22 19:10	19	183	1.7	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
121	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/22 19:20	51	173	1.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
122	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/22 19:30	22	170	1.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
123	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/22 19:30	9	163	1.5	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
124	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/22 20:30	13	174	1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
125	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/22 20:50	34	183	1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
126	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/22 21:00	19	196	0.8	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/22 21:00	11	211	1	Unknown Source - further investigation required	Responded: Mond, Mpact, Tongaat Hulett	25, 28, 31
128	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/23 02:00	5	245	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	26, 32
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/23 02:30	7	267	0.2	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	26, 32
130	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/24 04:00	10	11	0.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	33, 37
131	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/24 04:20	21	333	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	33, 37
132	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/25 19:00	17	82	2.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
133	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/25 19:10	17	82	1.8	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
134	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/25 19:20	32	78	1.8	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
135	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/25 19:30	30	66	1.2	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
136	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/25 19:30	43	63	1.4	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
137	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/25 19:40	46	62	1.5	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
138	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/25 19:50	51	61	1.6	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
139	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/25 20:00	35	60	1.8	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1
140	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/25 20:00	15	50	1.6	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	34, 38, 1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
141	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/26 04:00	8	72	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	35, 39
142	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/26 04:20	13	30	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	39, 35
143	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/26 04:30	12	343	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	39, 35
144	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/26 04:30	10	356	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	35, 39
145	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/26 05:00	6	314	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	35, 39
146	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 03:00	11	44	0.8	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
147	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 03:00	14	42	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
148	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 03:10	19	47	1.2	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
149	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 03:20	13	36	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
150	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 03:30	13	28	1.1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
151	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 03:30	12	24	1.3	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
152	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 03:40	12	25	1.5	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
153	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 03:50	11	21	1.4	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
154	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 04:00	7	23	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
155	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 04:30	10	48	0.3	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
156	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 04:30	15	73	0.7	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
157	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 04:40	13	86	0.8	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
158	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 04:50	21	83	0.9	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
159	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 05:00	18	23	1.1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
160	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 05:00	9	23	1.1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
161	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 05:30	6	87	0.9	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
162	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 05:50	14	82	0.9	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
163	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/01/31 06:00	10	69	1	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	40, 36, 41
164	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/01/31 06:00	7	52	1.5	Unknown Source - further investigation required	Responded: Mondi, Mpact, Tongaat Hulett	36, 40, 41
			February 2022						
1	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/02/10 06:30	10	51	0.9	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/02/10 06:30	10	43	1.2	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
3	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/02/10 06:40	13	40	1.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
4	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/02/10 21:20	10	169	1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
5	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/02/10 21:30	12	176	1.4	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/02/10 21:30	10	134	1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
7	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/02/10 21:50	12	97	0.7	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	44, 46
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/02/12 02:00	9	55	1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	45, 47
9	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/02/12 02:20	10	66	1.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	45, 47
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/02/12 06:00	5	62	1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	45, 47
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/02/23 06:30	6	51	0.0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	48, 49

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/02/24 07:30	6	83	1.4	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett	52, 56, 1
			March 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/03/11 00:00	6	246	0.9	Mondi	Secondary effluent treatment plant	57
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/03/15 13:00	8	233	5.7	Mondi	Secondary effluent treatment plant	59, 1
3	TRS 10-minute OME Limit (9.3 ppb)	CBD	2022/03/15 13:10	11	231	5.2	Mondi	Secondary effluent treatment plant	59, 1
4	TRS 10-minute OME Limit (9.3 ppb)	CBD	2022/03/15 13:30	10	234	5.1	Mondi	Secondary effluent treatment plant	59, 1
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/03/15 13:30	6	231	5.5	Mondi	Secondary effluent treatment plant	59, 1
6	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/03/10 01:30	12	34	0	Unknown Source - further investigation required	Responded: Mpact	50, 1
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/03/10 01:30	9	67	0	Unknown Source - further investigation required	Responded: Mpact	50, 1
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/03/22 00:00	6	41	0	Unknown Source - further investigation required	None	1
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/05 03:00	6	245	0	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett and Mondi	52, 54, 58
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/05 03:30	5	244	0.1	Unknown Source - further investigation required	Responded: Mpact, Tongaat Hulett and Mondi	52, 54, 58
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/08 06:30	6	36	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	52, 55
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/08 07:00	7	36	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	52, 55
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/10 00:30	7	39	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	50, 51
14	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/10 00:40	10	333	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	50, 51
15	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/10 00:50	11	81	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	50, 51
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/10 03:00	5	38	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	50, 51

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
17	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 04:00	23	49	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 04:00	16	52	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
19	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 04:10	23	52	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 04:30	20	41	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
21	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 04:50	49	27	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
22	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 05:00	50	23	0.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 05:00	25	28	0.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
24	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 05:10	20	23	0.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 05:30	9	42	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
26	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 05:40	14	45	0.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 05:50	10	29	0.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
28	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 06:30	10	80	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 06:30	11	73	0.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
30	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 06:40	11	80	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 06:50	11	58	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 07:00	11	65	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 07:00	10	45	0.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
34	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 07:10	11	37	1.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 07:20	10	33	1.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/12 07:30	8	47	1.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
37	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/12 07:40	10	51	1.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	51, 53
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/22 08:30	6	67	1.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	60, 63, 1
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/22 09:00	5	91	1.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	60, 63, 1
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/22 09:30	7	60	2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	60, 63, 1
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/22 18:30	8	70	3.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	60, 63, 1
42	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/22 18:50	11	68	3.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	60, 63, 1
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/22 19:00	5	69	3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	60, 63, 1
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/23 06:00	9	53	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	62, 63
44	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/23 06:20	18	48	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	62, 63
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/23 06:30	11	41	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	62, 63
47	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/23 06:30	6	59	0.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	62, 63
48	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/28 06:50	12	28	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	61, 64
49	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/03/28 07:00	18	56	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	61, 64
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/03/28 07:00	7	48	0.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	61, 64
			April 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/04/10 21:30	6	241	2.2	Mondi	Blow tank 3 venting to atmosphere	94

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/04/10 22:00	5	263	2.6	Mondi	Blow tank 3 venting to atmosphere	94
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/04/15 02:30	8	23	0.8	Mondi	Secondary effluent treatment plant	69, 89, 95
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/04/15 03:00	6	43	0	Mondi	Secondary effluent treatment plant	69, 89, 95
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/07 06:30	7	199	4.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	65, 88
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/08 18:30	6	198	1.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	66, 88
7	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/09 03:20	11	201	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	67, 88
8	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/09 03:30	16	279	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	67, 88
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/09 03:30	7	258	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	67, 88
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/10 12:00	8	280	1.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	67, 88
11	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/10 12:20	14	255	1.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	67, 88
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 01:30	10	43	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
13	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 01:40	19	41	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 02:30	11	23	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
15	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 02:40	12	17	1.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
16	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 02:50	14	32	0.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
17	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 03:00	16	43	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 03:00	16	43	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
19	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 03:10	18	88	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
20	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 03:20	13	358	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
21	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 03:30	25	18	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 03:30	25	359	0.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
23	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 03:40	27	342	0.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
24	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 03:50	22	0	0.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
25	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 04:00	29	51	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 04:00	23	42	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 04:10	22	59	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
28	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 04:20	19	14	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
29	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 04:30	16	114	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 04:30	15	58	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 04:40	15	56	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 04:50	13	23	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
33	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 05:00	15	53	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 05:00	13	29	0.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 05:10	13	47	0.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 05:20	13	322	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
37	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 05:30	12	265	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 05:30	14	260	0.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 05:40	16	249	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
40	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 05:50	14	73	0.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/15 06:00	13	73	1.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/15 06:00	8	73	1.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	69, 89
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/23 08:00	6	235	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/24 03:30	8	60	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/24 03:50	21	239	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/24 04:30	6	24	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/24 04:50	16	17	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
48	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/24 05:00	49	54	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/24 05:00	22	26	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
50	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/24 05:10	15	49	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
51	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/24 19:00	8	228	3.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/24 19:10	13	227	2.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
53	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/24 19:30	11	230	3.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
54	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/24 19:50	19	234	3.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/26 14:30	6	226	4.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
56	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/26 16:30	6	222	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/28 06:00	11	71	1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
58	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 06:20	32	91	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 06:30	36	36	0.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
60	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/28 06:30	41	31	0.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
61	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 06:40	43	32	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
62	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 06:50	43	25	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 07:00	30	32	0.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/28 07:00	13	50	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/28 07:30	19	42	1.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 07:40	33	44	2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
67	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 07:50	21	34	2.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
68	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/28 08:00	11	31	2.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	71, 90
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 11:00	6	212	4.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 11:20	9	208	4.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 11:30	7	221	4.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
72	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 13:00	8	231	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
73	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 13:20	10	233	3.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
74	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 13:30	12	232	3.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 13:30	10	230	3.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
76	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 13:40	9	231	3.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
77	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 14:00	10	233	3.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
78	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 14:00	8	233	3.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
79	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 14:30	10	222	2.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 14:30	6	219	2.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 15:00	6	201	2.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
82	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 15:20	13	202	2.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
83	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 15:30	14	210	2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
84	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 15:30	7	214	1.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 16:00	9	192	1.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
86	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 16:10	15	191	1.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
87	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 16:20	12	189	0.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 16:30	6	203	1.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
89	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 17:30	14	199	2.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
90	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/04/30 17:30	11	202	3.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90
91	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/04/30 17:40	10	221	2.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	74, 90

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
			May 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/05/31 12:00	7	218	8.3	Mondi	Secondary effluent treatment plant	101
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/04 21:00	5	8	1.3	Mondi	Secondary effluent treatment plant	96, 120
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/06 03:00	17	85	1	Mondi	Secondary effluent treatment plant	96, 121
4	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/06 03:10	24	80	1	Mondi	Secondary effluent treatment plant	96, 121
5	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/06 03:20	20	93	0.7	Mondi	Secondary effluent treatment plant	96, 121
6	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/06 03:30	11	68	1.1	Mondi	Secondary effluent treatment plant	96, 121
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/06 03:30	11	71	1.2	Mondi	Secondary effluent treatment plant	96, 121
8	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/06 03:50	12	80	1.2	Mondi	Secondary effluent treatment plant	96, 121
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/06 04:00	8	84	1.5	Mondi	Secondary effluent treatment plant	96, 121
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/06 06:30	5	78	1.5	Mondi	Fugitive emissions	97, 121
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/07 00:00	6	74	0.9	Mondi	Secondary effluent treatment plant	96, 121
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/19 22:00	12	39	1.8	Mondi	Secondary effluent treatment plant	98
13	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/19 22:10	12	39	2.1	Mondi	Secondary effluent treatment plant	98
14	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/19 22:20	21	30	1.8	Mondi	Secondary effluent treatment plant	98
15	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/19 22:30	18	25	1.8	Mondi	Secondary effluent treatment plant	98
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/19 22:30	13	26	1.9	Mondi	Secondary effluent treatment plant	98
17	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/19 22:40	13	26	1.8	Mondi	Secondary effluent treatment plant	98

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
18	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 00:30	12	34	1.6	Mondi	Secondary effluent treatment plant	98, 121
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/20 00:30	14	38	1.2	Mondi	Secondary effluent treatment plant	111, 121
20	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 00:40	15	36	0.7	Mondi	Secondary effluent treatment plant	98, 121
21	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 00:50	16	45	1.3	Mondi	Secondary effluent treatment plant	98, 121
22	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 01:00	15	44	1.3	Mondi	Secondary effluent treatment plant	98, 121
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/20 01:00	13	48	0.8	Mondi	Secondary effluent treatment plant	111, 121
24	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 01:10	12	42	0.7	Mondi	Secondary effluent treatment plant	98, 121
25	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 01:20	10	58	0.3	Mondi	Secondary effluent treatment plant	98, 121
26	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/05/20 01:30	11	89	0.2	Mondi	Secondary effluent treatment plant	98, 121
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/05/20 01:30	8	91	0.2	Mondi	Secondary effluent treatment plant	111, 121
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/01 12:30	5	236	4.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	75, 117
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/02 15:00	6	184	3.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/02 16:30	9	188	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/02 16:40	9	191	0.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/02 17:00	11	217	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/02 17:00	12	230	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
34	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/02 17:10	13	227	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/02 17:20	12	258	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/02 17:30	10	13	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/02 17:30	8	359	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	76, 118
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/03 06:30	8	50	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	77, 119
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/03 06:40	9	34	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	77, 119
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/03 07:30	9	38	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	77, 119
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/03 07:50	15	45	0.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	77, 119
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/03 08:00	8	38	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	77, 119
43	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/03 08:10	12	38	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	77, 119
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/05 00:00	6	88	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	79, 121
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/05 00:20	10	109	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	79, 121
46	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/05 00:30	11	58	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	79, 121
47	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/05 00:30	7	77	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	79, 121
48	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 03:00	27	68	1.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/07 03:00	18	64	1.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
50	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 03:10	13	60	0.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
51	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 03:20	13	64	1.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
52	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/07 09:30	6	194	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
53	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 09:50	13	191	1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/07 22:00	10	32	0.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
55	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 22:10	10	46	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
56	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 22:20	19	50	0.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
57	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 22:30	22	77	0.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
58	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/07 22:30	19	84	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 22:40	19	99	0.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
60	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 22:50	15	78	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/07 23:00	10	50	0.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
62	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 23:10	12	60	1.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/07 23:20	10	34	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	78, 121
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/08 11:30	6	236	5.9	Unknown Source - further investigation required	Responded: Tongaat Hulett	121, 1
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/09 11:30	6	238	4.4	Unknown Source - further investigation required	Responded: Tongaat Hulett	121, 1
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/10 20:00	17	36	1.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	82, 121
67	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/10 20:00	8	46	1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	82, 121
68	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/10 20:30	18	64	0.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	82, 121
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/10 20:30	8	36	0.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	82, 121
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/14 01:30	11	18	0	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83, 121
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 01:30	20	341	0	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
72	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/14 01:40	39	351	0	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
73	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/14 01:50	10	287	0	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
74	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 13:00	6	237	4	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 13:30	6	239	3.4	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 14:00	7	240	3	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 14:30	6	236	1.6	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
78	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 22:30	6	227	1.7	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/14 23:00	7	212	1.7	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	81, 83,121
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/15 00:30	10	197	4	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
81	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/15 00:50	19	196	3.4	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
82	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/15 01:00	52	180	3.8	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
83	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/15 01:00	23	162	2.4	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
84	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/15 01:10	13	160	2.1	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/15 01:30	8	198	0.5	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
86	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/15 01:50	11	198	0.3	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
87	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/15 02:00	11	257	0.2	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/15 02:00	8	264	0.3	Unknown Source - further investigation required	Responded: South 32, Mpact and Tongaat Hulett	80, 84, 121
89	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 00:00	6	95	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
90	TRS 24-hr OME Limit (10.1 ppb)	Felixton	2022/05/17 00:00	10	64	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
91	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 00:20	12	90	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
92	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 00:30	11	86	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
93	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 00:30	10	87	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
94	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 00:40	11	92	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
95	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 01:00	13	76	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
96	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 01:00	11	72	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
97	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 01:10	16	67	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 01:30	29	96	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
99	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 01:40	11	98	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
100	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 01:50	74	105	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
101	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 02:00	69	90	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 02:00	60	96	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
103	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 02:10	62	95	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
104	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 02:20	50	103	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
105	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 02:30	38	103	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 02:30	31	103	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
107	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 02:40	34	107	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
108	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 02:50	20	97	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
109	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 03:30	10	87	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
110	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 03:30	9	84	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
111	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 04:00	8	77	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
112	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 04:30	12	100	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
113	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 04:30	8	96	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
114	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 05:00	22	102	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
115	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 05:00	10	111	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
116	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 05:30	40	112	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
117	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 05:30	41	88	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
118	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 05:40	46	81	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
119	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 05:50	38	71	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
120	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 06:00	29	73	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
121	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 06:00	54	95	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
122	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 06:10	52	100	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
123	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 06:20	82	113	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
124	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 06:30	64	106	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
125	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 06:30	43	84	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
126	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 06:40	45	72	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
127	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 06:50	23	75	0.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
128	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 07:00	17	89	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 07:00	15	72	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
130	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 07:10	15	51	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
131	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 07:20	13	75	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
132	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 07:30	14	58	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
133	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 07:30	19	54	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
134	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 07:40	22	69	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
135	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 07:50	20	35	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
136	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 08:00	21	47	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
137	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/17 08:00	12	47	0.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
138	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/17 08:10	10	65	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat hullet	85, 121
139	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 11:30	6	230	3	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	87, 121, 111
140	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 12:00	5	228	3.6	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	87, 121, 111
141	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 13:30	6	231	4.3	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	87, 121, 111
142	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 14:00	6	231	4.3	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	87, 121, 111
143	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 14:30	9	232	4	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	87, 121, 111

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
144	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 14:40	10	235	4	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
145	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 15:00	7	239	3.9	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
146	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 15:30	10	245	3.2	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
147	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 15:40	11	246	2.9	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
148	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 15:50	12	238	3.2	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
149	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 16:00	11	245	3.2	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
150	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 16:00	11	243	3.2	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
151	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 16:10	11	238	2.8	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
152	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 16:20	11	245	3.7	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
153	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/20 16:30	10	242	3	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
154	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 16:40	11	240	2.9	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
155	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/20 16:50	12	238	2.9	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	87, 121, 111
156	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/21 02:30	7	239	4.5	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 112, 121
157	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/21 03:00	7	241	4.6	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 112, 121
158	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/21 03:30	9	238	4.9	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 112, 121
159	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/21 04:00	8	240	4.6	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 112, 121
160	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/21 04:10	10	237	4.8	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 112, 121
161	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/24 19:00	7	55	0.8	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 109, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
162	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/24 19:10	10	61	1	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	86, 109, 121
163	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/25 07:00	6	65	0	Unknown Source - further investigation required	Responded: Mond, Mpact and Tongaat Hulett	109, 121, 123
164	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/26 07:30	11	220	3.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
165	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 07:30	9	215	3.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
166	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 11:30	6	243	4.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
167	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 12:00	6	234	4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
168	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 12:30	6	239	4.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
169	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 13:30	5	236	3.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
170	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 14:00	6	235	3.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
171	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 14:30	6	232	3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
172	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 15:00	6	229	3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
173	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/26 15:30	6	238	3.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
174	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/27 11:00	5	193	0.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	91, 121
175	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 02:30	11	27	2.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
176	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 02:30	55	30	2.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
177	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 02:40	72	30	2.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
178	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 02:50	83	32	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
179	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 03:00	51	31	2.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
180	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 03:00	26	31	2.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
181	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 03:10	15	29	2.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
182	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 03:20	11	31	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
183	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 07:30	10	174	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
184	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 07:40	16	176	0	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
185	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 09:30	11	245	4.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
186	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 09:30	9	245	4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
187	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 10:00	8	246	3.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
188	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 10:30	7	228	3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
189	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 11:00	5	222	2.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
190	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 11:30	6	236	1.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
191	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 12:00	6	219	1.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
192	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 12:30	7	212	1.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
193	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 13:00	6	186	1.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
194	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 17:00	5	45	2.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
195	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 17:30	5	24	2.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
196	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 18:00	6	12	2.2	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1
197	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 18:30	5	355	2.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121, 1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
198	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 19:00	6	259	3.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
199	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 20:00	6	242	4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
200	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 20:30	6	236	3.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
201	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 21:00	11	220	3.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
202	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 21:00	11	219	4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
203	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 21:10	11	221	3.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
204	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 21:20	11	218	4.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
205	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 21:30	9	220	3.5	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
206	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 21:50	12	224	3.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
207	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 22:00	14	227	3.3	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
208	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 22:00	15	227	3.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
209	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 22:10	15	231	3.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
210	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 22:20	15	222	3.6	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
211	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 22:30	11	223	4.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
212	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 22:40	11	224	4.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
213	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 22:50	14	228	3.7	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
214	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 23:00	8	224	5.4	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
215	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/29 23:30	10	224	2.9	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
216	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 23:40	11	223	3.1	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
217	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/29 23:50	12	224	2.8	Unknown Source - further investigation required	Responded: Mpact and Tongaat Hulett	93, 121
218	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 00:00	11	227	4.4	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
219	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 00:10	12	226	4.6	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
220	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 00:20	11	231	4.5	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
221	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 00:30	12	227	4.5	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
222	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 00:30	11	233	4.9	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
223	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 00:40	12	232	4.9	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
224	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 01:00	9	232	5.8	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
225	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 01:20	10	228	6.2	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
226	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 01:30	8	223	5.8	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
227	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 02:00	6	225	5.1	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
228	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 02:30	9	224	5.3	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
229	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 02:40	10	224	5.5	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
230	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 02:50	9	224	5.1	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
231	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 03:00	8	231	5.9	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
232	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 03:30	7	227	6.5	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
233	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 04:30	6	226	5.5	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
234	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 17:00	6	283	1.2	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
235	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 17:20	11	351	1	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
236	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/30 17:30	12	329	1.2	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
237	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/30 17:30	7	310	1	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	99, 100, 121
238	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/31 03:30	16	36	0.1	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	102, 122, 127
239	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/31 03:40	16	42	0	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	102, 122, 127
240	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/31 03:50	30	54	0	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	102, 122, 127
241	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/05/31 04:00	22	31	0.1	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	102, 122, 127
242	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/05/31 04:00	9	29	0.6	Unknown Source - further investigation required	Responded: Mondi, Mpact and Tongaat Hulett	102, 122, 127
			June 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/06/01 09:00	6	241	4.1	Mondi	Secondary effluent treatment plant	158
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/06/16 01:00	6	229	5.5	Mondi	Secondary effluent treatment plant	137
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/02 19:00	6	62	0	THS	Effluent treatment Plant	159, 167
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/02 20:00	5	83	0	THS	Effluent treatment Plant	159, 167
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/04 06:30	5	102	0.3	THS	Effluent treatment Plant	103, 107, 167
6	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/13 03:30	10	85	2.5	Mondi	NCG leak in the Fibreline	116, 139
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/13 03:30	7	81	1.7	Mondi	NCG leak in the Fibreline	116, 139
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/13 04:30	6	98	1.5	Mondi	NCG leak in the Fibreline	116, 139

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/14 18:00	6	25	2.9	Mondi	Secondary effluent treatment plant	138
10	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/14 18:20	12	20	2.7	Mondi	Secondary effluent treatment plant	138
11	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/14 18:30	10	16	1.5	Mondi	Secondary effluent treatment plant	138
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/14 18:30	8	27	1.7	Mondi	Secondary effluent treatment plant	138
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/17 21:30	12	46	1	Mondi	Secondary effluent treatment plant	125, 136
14	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/17 21:40	14	33	1.5	Mondi	Secondary effluent treatment plant	125, 136
15	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/17 21:50	18	26	0.7	Mondi	Secondary effluent treatment plant	125, 136
16	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/17 22:00	12	24	0.2	Mondi	Secondary effluent treatment plant	125, 136
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/17 22:00	8	22	0.1	Mondi	Secondary effluent treatment plant	125, 136
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/17 22:30	5	33	0	Mondi	Secondary effluent treatment plant	125, 136
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/18 01:30	5	81	0.6	THS	Effluent treatment Plant	124, 135, 167
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/18 02:00	5	74	0.8	THS	Effluent treatment Plant	124, 135, 167
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/23 04:30	8	24	1.3	Mondi	Flare instability	131
22	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/24 02:30	14	1	0	Mondi	Flare instability and mill start up (softwood gases purging)	160
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/24 02:30	14	40	0	Mondi	Flare instability and mill start up (softwood gases purging)	160
24	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/24 02:40	17	67	0	Mondi	Flare instability and mill start up (softwood gases purging)	160
25	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/06/24 02:50	11	51	0	Mondi	Flare instability and mill start up (softwood gases purging)	160
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/24 03:00	6	25	0	Mondi	Flare instability and mill start up (softwood gases purging)	160

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/25 22:00	5	35	0	Mondi	Flare instability and mill start up (softwood gases purging)	160
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/06/29 02:30	6	30	1.7	Mondi	Flare instability and mill start up (softwood gases purging)	160
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/02 17:30	5	302	0	THS	Effluent treatment Plant	108, 161, 167
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/02 20:30	17	88	0	THS	Effluent treatment Plant	108, 161, 167
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 20:40	16	100	0	THS	Effluent treatment Plant	108, 161, 167
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 20:50	31	61	0.1	THS	Effluent treatment Plant	108, 161, 167
33	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 21:00	27	53	0	THS	Effluent treatment Plant	108, 161, 167
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/02 21:00	19	51	0	THS	Effluent treatment Plant	108, 161, 167
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 21:10	16	52	0	THS	Effluent treatment Plant	108, 161, 167
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 21:20	14	50	0	THS	Effluent treatment Plant	108, 161, 167
37	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 21:30	18	50	0	THS	Effluent treatment Plant	108, 161, 167
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/02 21:30	14	58	0	THS	Effluent treatment Plant	108, 161, 167
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 21:40	11	59	0	THS	Effluent treatment Plant	108, 161, 167
40	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 21:50	11	65	0	THS	Effluent treatment Plant	108, 161, 167
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 22:00	11	47	0	THS	Effluent treatment Plant	108, 161, 167
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/02 22:00	10	38	0	THS	Effluent treatment Plant	108, 161, 167
43	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/02 22:10	11	38	0	THS	Effluent treatment Plant	108, 161, 167
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/02 22:30	5	34	0.1	THS	Effluent treatment Plant	108, 161, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 04:30	11	64	0.1	THS	Effluent treatment Plant	103, 107, 167
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 04:30	48	80	0	THS	Effluent treatment Plant	103, 107, 167
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 04:40	63	67	0	THS	Effluent treatment Plant	103, 107, 167
48	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 04:50	72	110	0	THS	Effluent treatment Plant	103, 107, 167
49	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 05:00	42	93	0	THS	Effluent treatment Plant	103, 107, 167
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 05:00	29	84	0	THS	Effluent treatment Plant	103, 107, 167
51	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 05:10	25	75	0	THS	Effluent treatment Plant	103, 107, 167
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 05:20	20	84	0	THS	Effluent treatment Plant	103, 107, 167
53	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 05:30	23	297	0	THS	Effluent treatment Plant	103, 107, 167
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 05:30	11	78	0	THS	Effluent treatment Plant	103, 107, 167
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 07:00	7	58	0.9	THS	Effluent treatment Plant	103, 107, 167
56	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 07:20	14	56	1	THS	Effluent treatment Plant	103, 107, 167
57	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 07:30	37	42	1	THS	Effluent treatment Plant	103, 107, 167
58	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 07:30	35	44	0.6	THS	Effluent treatment Plant	103, 107, 167
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 07:40	36	48	0.4	THS	Effluent treatment Plant	103, 107, 167
60	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 07:50	32	42	0.5	THS	Effluent treatment Plant	103, 107, 167
61	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 08:00	19	27	0.4	THS	Effluent treatment Plant	103, 107, 167
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 08:00	25	30	0.9	THS	Effluent treatment Plant	103, 107, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 08:10	27	31	0.9	THS	Effluent treatment Plant	103, 107, 167
64	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 08:20	28	33	1.3	THS	Effluent treatment Plant	103, 107, 167
65	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 08:30	23	36	1.2	THS	Effluent treatment Plant	103, 107, 167
66	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/03 08:30	17	32	0.7	THS	Effluent treatment Plant	103, 107, 167
67	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/03 08:40	21	42	0.1	THS	Effluent treatment Plant	103, 107, 167
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/05 14:30	5	239	4.8	THS	Effluent treatment Plant	105, 106, 167
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/05 16:00	5	223	3	THS	Effluent treatment Plant	105, 106, 167
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/05 18:00	10	224	1.7	THS	Effluent treatment Plant	105, 106, 167
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/05 18:00	6	217	3	THS	Effluent treatment Plant	105, 106, 167
72	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/05 18:30	6	227	2.8	THS	Effluent treatment Plant	105, 106, 167
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/07 04:00	7	37	0.3	THS	Effluent treatment Plant	113, 162, 167
74	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/07 11:30	6	302	0.4	THS	Effluent treatment Plant	113, 163, 167
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/07 12:30	6	237	2.4	THS	Effluent treatment Plant	113, 163, 167
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/07 17:00	12	290	0	THS	Effluent treatment Plant	113, 163, 167
77	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/07 17:10	16	292	0	THS	Effluent treatment Plant	113, 163, 167
78	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/07 17:20	11	262	0	THS	Effluent treatment Plant	113, 163, 167
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/10 10:00	5	223	0.7	THS	Effluent treatment Plant	114, 141, 167
80	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/10 23:00	36	100	0	THS	Effluent treatment Plant	114, 141, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/10 23:00	55	88	0	THS	Effluent treatment Plant	114, 141, 167
82	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/10 23:10	48	93	0	THS	Effluent treatment Plant	114, 141, 167
83	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/10 23:20	81	70	0	THS	Effluent treatment Plant	114, 141, 167
84	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/10 23:30	61	76	0	THS	Effluent treatment Plant	114, 141, 167
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/10 23:30	28	76	0	THS	Effluent treatment Plant	114, 141, 167
86	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/10 23:40	22	83	0	THS	Effluent treatment Plant	114, 141, 167
87	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/11 04:30	10	23	0	THS	Effluent treatment Plant	115, 140, 167
88	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 04:40	10	39	0	THS	Effluent treatment Plant	115, 140, 167
89	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 04:50	16	9	0	THS	Effluent treatment Plant	115, 140, 167
90	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/11 05:00	46	245	0	THS	Effluent treatment Plant	115, 140, 167
91	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 05:10	61	253	0	THS	Effluent treatment Plant	115, 140, 167
92	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 05:20	75	242	0	THS	Effluent treatment Plant	115, 140, 167
93	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 05:30	71	242	0	THS	Effluent treatment Plant	115, 140, 167
94	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/11 05:30	62	353	0	THS	Effluent treatment Plant	115, 140, 167
95	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 05:40	64	15	0	THS	Effluent treatment Plant	115, 140, 167
96	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 05:50	51	50	0	THS	Effluent treatment Plant	115, 140, 167
97	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 06:00	36	40	1.1	THS	Effluent treatment Plant	115, 140, 167
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/11 06:00	28	36	0.9	THS	Effluent treatment Plant	115, 140, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
99	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 06:10	25	30	1.4	THS	Effluent treatment Plant	115, 140, 167
100	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 06:20	21	37	0.1	THS	Effluent treatment Plant	115, 140, 167
101	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 06:30	13	42	1.3	THS	Effluent treatment Plant	115, 140, 167
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/11 06:30	7	47	2.1	THS	Effluent treatment Plant	115, 140, 167
103	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/11 07:30	8	72	0.5	THS	Effluent treatment Plant	115, 140, 167
104	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/11 07:40	11	70	0.8	THS	Effluent treatment Plant	115, 140, 167
105	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/13 22:00	9	30	2.5	Mondi	NCG leak in the Fibreline	116, 139
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/13 22:00	8	34	2.8	Mondi	NCG leak in the Fibreline	116, 139
107	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/14 06:00	16	12	0.6	THS	Effluent treatment Plant	138, 149, 167
108	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/14 06:00	31	10	0.2	THS	Effluent treatment Plant	138, 149, 167
109	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/14 06:10	30	3	0	THS	Effluent treatment Plant	138, 149, 167
110	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/14 06:20	48	16	0	THS	Effluent treatment Plant	138, 149, 167
111	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/14 06:30	16	14	0.2	THS	Effluent treatment Plant	138, 149, 167
112	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/14 06:30	8	14	0.1	THS	Effluent treatment Plant	138, 149, 167
113	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 04:30	7	221	2.7	THS	Effluent treatment Plant	150, 163, 167
114	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 04:50	10	221	2.9	THS	Effluent treatment Plant	150, 163, 167
115	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 05:00	10	222	3.1	THS	Effluent treatment Plant	150, 163, 167
116	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 05:00	7	222	3.3	THS	Effluent treatment Plant	150, 163, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
117	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 05:30	6	219	3.2	THS	Effluent treatment Plant	150, 163, 167
118	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 10:30	11	226	4.2	THS	Effluent treatment Plant	150, 163, 167
119	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 10:30	10	227	4.6	THS	Effluent treatment Plant	150, 163, 167
120	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 10:40	12	228	4.9	THS	Effluent treatment Plant	150, 163, 167
121	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 11:00	8	226	5.2	THS	Effluent treatment Plant	150, 163, 167
122	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 11:30	10	227	5.5	THS	Effluent treatment Plant	150, 163, 167
123	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 11:30	8	226	5.2	THS	Effluent treatment Plant	150, 163, 167
124	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 12:00	6	229	5.7	THS	Effluent treatment Plant	150, 163, 167
125	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 12:30	6	233	5.5	THS	Effluent treatment Plant	150, 163, 167
126	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 13:00	5	240	5	THS	Effluent treatment Plant	150, 163, 167
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 16:30	6	219	4.2	THS	Effluent treatment Plant	150, 163, 167
128	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 17:00	7	219	3.7	THS	Effluent treatment Plant	150, 163, 167
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 18:30	6	220	3.9	THS	Effluent treatment Plant	150, 163, 167
130	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 18:50	12	223	4	THS	Effluent treatment Plant	150, 163, 167
131	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 19:30	6	221	4.3	THS	Effluent treatment Plant	150, 163, 167
132	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 19:50	10	222	5.4	THS	Effluent treatment Plant	150, 163, 167
133	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 20:00	5	231	4	THS	Effluent treatment Plant	150, 163, 167
134	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 20:30	7	231	4.8	THS	Effluent treatment Plant	150, 163, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
135	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 20:40	10	232	4.5	THS	Effluent treatment Plant	150, 163, 167
136	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/15 20:50	10	230	4.3	THS	Effluent treatment Plant	150, 163, 167
137	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/15 21:00	8	228	3.5	THS	Effluent treatment Plant	150, 163, 167
138	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 07:30	16	73	0	THS	Effluent treatment Plant	125, 136, 167
139	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 07:50	43	79	0	THS	Effluent treatment Plant	125, 136, 167
140	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 08:00	45	75	0.3	THS	Effluent treatment Plant	125, 136, 167
141	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 08:00	29	64	1	THS	Effluent treatment Plant	125, 136, 167
142	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 08:10	26	69	0.9	THS	Effluent treatment Plant	125, 136, 167
143	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 08:20	16	49	1.8	THS	Effluent treatment Plant	125, 136, 167
144	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 19:30	22	32	0	THS	Effluent treatment Plant	125, 136, 167
145	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 19:50	60	40	0	THS	Effluent treatment Plant	125, 136, 167
146	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 20:00	70	60	0	THS	Effluent treatment Plant	125, 136, 167
147	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 20:00	50	46	0	THS	Effluent treatment Plant	125, 136, 167
148	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 20:10	48	35	0	THS	Effluent treatment Plant	125, 136, 167
149	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 20:20	31	43	0	THS	Effluent treatment Plant	125, 136, 167
150	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 20:30	12	29	0	THS	Effluent treatment Plant	125, 136, 167
151	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 20:30	5	44	0	THS	Effluent treatment Plant	125, 136, 167
152	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 23:00	9	59	0	THS	Effluent treatment Plant	125, 136, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
153	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/17 23:20	23	48	0	THS	Effluent treatment Plant	125, 136, 167
154	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/17 23:30	5	15	0	THS	Effluent treatment Plant	125, 136, 167
155	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/18 06:00	20	57	1	THS	Effluent treatment Plant	124, 135, 167
156	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 06:10	34	57	1.3	THS	Effluent treatment Plant	124, 135, 167
157	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 06:20	26	37	0	THS	Effluent treatment Plant	124, 135, 167
158	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 06:30	26	47	0.6	THS	Effluent treatment Plant	124, 135, 167
159	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/18 06:30	36	49	1.5	THS	Effluent treatment Plant	124, 135, 167
160	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 06:40	45	52	1.9	THS	Effluent treatment Plant	124, 135, 167
161	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 06:50	38	46	1.9	THS	Effluent treatment Plant	124, 135, 167
162	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 07:00	37	37	0.4	THS	Effluent treatment Plant	124, 135, 167
163	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/18 07:00	17	42	0.9	THS	Effluent treatment Plant	124, 135, 167
164	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 07:10	11	43	0.5	THS	Effluent treatment Plant	124, 135, 167
165	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 09:00	25	55	1.1	THS	Effluent treatment Plant	124, 135, 167
166	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/18 09:00	29	40	1.4	THS	Effluent treatment Plant	124, 135, 167
167	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 09:10	33	36	1	THS	Effluent treatment Plant	124, 135, 167
168	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 09:20	29	30	2.2	THS	Effluent treatment Plant	124, 135, 167
169	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 09:30	19	14	1.2	THS	Effluent treatment Plant	124, 135, 167
170	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/18 09:30	10	3	0.8	THS	Effluent treatment Plant	124, 135, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
171	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/18 09:40	10	358	0.5	THS	Effluent treatment Plant	124, 135, 167
172	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/19 14:00	6	240	5.3	THS	Effluent treatment Plant	126,134, 167
173	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/19 14:30	10	237	5.3	THS	Effluent treatment Plant	126,134, 167
174	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/19 14:30	9	238	5	THS	Effluent treatment Plant	126,134, 167
175	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/19 14:40	10	239	4.9	THS	Effluent treatment Plant	126,134, 167
176	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/19 15:30	6	241	4.2	THS	Effluent treatment Plant	126,134, 167
177	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 16:30	5	78	2.7	THS	Effluent treatment Plant	129, 133,167
178	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 21:00	40	336	0	THS	Effluent treatment Plant	129, 133,167
179	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 21:00	39	38	0	THS	Effluent treatment Plant	129, 133,167
180	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 21:10	36	103	0	THS	Effluent treatment Plant	129, 133,167
181	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 21:20	40	71	0	THS	Effluent treatment Plant	129, 133,167
182	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 21:30	41	17	0	THS	Effluent treatment Plant	129, 133,167
183	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 21:30	22	60	0	THS	Effluent treatment Plant	129, 133,167
184	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 21:40	18	73	0	THS	Effluent treatment Plant	129, 133,167
185	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 22:00	8	77	0	THS	Effluent treatment Plant	129, 133,167
186	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 22:30	25	93	0	THS	Effluent treatment Plant	129, 133,167
187	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 22:30	41	58	0	THS	Effluent treatment Plant	129, 133,167
188	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 22:40	43	64	0	THS	Effluent treatment Plant	129, 133,167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
189	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 22:50	54	15	0	THS	Effluent treatment Plant	129, 133,167
190	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 23:00	50	51	0.5	THS	Effluent treatment Plant	129, 133,167
191	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 23:00	40	46	0.3	THS	Effluent treatment Plant	129, 133,167
192	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 23:10	37	44	0.4	THS	Effluent treatment Plant	129, 133,167
193	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 23:20	33	42	0	THS	Effluent treatment Plant	129, 133,167
194	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 23:30	25	52	0	THS	Effluent treatment Plant	129, 133,167
195	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/21 23:30	22	61	0	THS	Effluent treatment Plant	129, 133,167
196	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 23:40	22	41	0	THS	Effluent treatment Plant	129, 133,167
197	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/21 23:50	19	92	0	THS	Effluent treatment Plant	129, 133,167
198	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 00:00	12	62	0	THS	Effluent treatment Plant	128, 132, 167
199	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 00:00	6	45	0.1	THS	Effluent treatment Plant	128, 132, 167
200	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 01:00	20	67	0	THS	Effluent treatment Plant	128, 132, 167
201	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 01:10	22	81	0	THS	Effluent treatment Plant	128, 132, 167
202	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 01:20	33	24	0	THS	Effluent treatment Plant	128, 132, 167
203	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 01:30	26	17	0	THS	Effluent treatment Plant	128, 132, 167
204	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 01:30	37	353	0	THS	Effluent treatment Plant	128, 132, 167
205	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 01:40	31	360	0	THS	Effluent treatment Plant	128, 132, 167
206	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 01:50	53	323	0	THS	Effluent treatment Plant	128, 132, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
207	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 02:00	39	53	0	THS	Effluent treatment Plant	128, 132, 167
208	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 02:00	32	47	0	THS	Effluent treatment Plant	128, 132, 167
209	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 02:10	31	49	0	THS	Effluent treatment Plant	128, 132, 167
210	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 02:20	25	40	0	THS	Effluent treatment Plant	128, 132, 167
211	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 02:30	19	79	0	THS	Effluent treatment Plant	128, 132, 167
212	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 02:30	14	72	0	THS	Effluent treatment Plant	128, 132, 167
213	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 02:40	15	69	0	THS	Effluent treatment Plant	128, 132, 167
214	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 03:00	6	96	0	THS	Effluent treatment Plant	128, 132, 167
215	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 05:00	6	87	0	THS	Effluent treatment Plant	128, 132, 167
216	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 05:20	10	99	0	THS	Effluent treatment Plant	128, 132, 167
217	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 05:30	17	84	0	THS	Effluent treatment Plant	128, 132, 167
218	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 05:30	28	39	0	THS	Effluent treatment Plant	128, 132, 167
219	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 05:40	32	26	0	THS	Effluent treatment Plant	128, 132, 167
220	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 05:50	36	13	0	THS	Effluent treatment Plant	128, 132, 167
221	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 06:00	43	7	0	THS	Effluent treatment Plant	128, 132, 167
222	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 06:00	17	13	0	THS	Effluent treatment Plant	128, 132, 167
223	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 08:30	30	60	0	THS	Effluent treatment Plant	128, 132, 167
224	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 08:30	35	44	0.6	THS	Effluent treatment Plant	128, 132, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
225	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 08:40	58	39	0.1	THS	Effluent treatment Plant	128, 132, 167
226	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 08:50	18	32	1.7	THS	Effluent treatment Plant	128, 132, 167
227	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 14:30	6	86	1	THS	Effluent treatment Plant	128, 132, 167
228	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 14:50	11	85	0.6	THS	Effluent treatment Plant	128, 132, 167
229	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 16:30	6	68	1.8	THS	Effluent treatment Plant	128, 132, 167
230	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 17:00	6	74	0.5	THS	Effluent treatment Plant	128, 132, 167
231	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 17:30	6	72	0	THS	Effluent treatment Plant	128, 132, 167
232	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 19:00	7	48	1.7	THS	Effluent treatment Plant	128, 132, 167
233	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 19:10	10	54	1.5	THS	Effluent treatment Plant	128, 132, 167
234	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 21:00	11	56	0	THS	Effluent treatment Plant	128, 132, 167
235	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 21:00	6	50	0.2	THS	Effluent treatment Plant	128, 132, 167
236	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 22:00	14	33	1.3	THS	Effluent treatment Plant	128, 132, 167
237	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 22:00	10	54	0.9	THS	Effluent treatment Plant	128, 132, 167
238	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 22:10	11	53	0.2	THS	Effluent treatment Plant	128, 132, 167
239	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 22:30	17	75	2.1	THS	Effluent treatment Plant	128, 132, 167
240	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/22 22:30	12	71	1.5	THS	Effluent treatment Plant	128, 132, 167
241	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/22 22:40	12	68	1.4	THS	Effluent treatment Plant	128, 132, 167
242	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/23 04:30	12	13	0.9	Mondi	Flare instability	130, 131

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
243	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/23 22:30	8	286	0.2	Mondi	Flare instability	130, 131
244	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/23 22:50	13	357	0.3	Mondi	Flare instability	130, 131
245	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/23 23:00	16	22	1	Mondi	Flare instability	130, 131
246	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/23 23:00	11	29	1.9	Mondi	Flare instability	130, 131
247	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/23 23:10	12	34	2.4	Mondi	Flare instability	130, 131
248	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 13:00	6	212	2.2	THS	Effluent treatment Plant	142, 163, 167
249	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 13:20	9	208	2.2	THS	Effluent treatment Plant	142, 163, 167
250	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 13:30	7	209	2.4	THS	Effluent treatment Plant	142, 163, 167
251	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 20:00	8	230	4.6	THS	Effluent treatment Plant	142, 163, 167
252	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 20:10	9	230	3.9	THS	Effluent treatment Plant	142, 163, 167
253	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 20:20	13	233	5	THS	Effluent treatment Plant	142, 163, 167
254	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 20:30	12	238	5.2	THS	Effluent treatment Plant	142, 163, 167
255	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 20:30	9	238	5.2	THS	Effluent treatment Plant	142, 163, 167
256	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 21:00	7	240	4.9	THS	Effluent treatment Plant	142, 163, 167
257	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 21:20	11	238	5.5	THS	Effluent treatment Plant	142, 163, 167
258	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 21:30	10	236	5.9	THS	Effluent treatment Plant	142, 163, 167
259	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 21:30	13	236	5.5	THS	Effluent treatment Plant	142, 163, 167
260	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 21:40	14	235	5.2	THS	Effluent treatment Plant	142, 163, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
261	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 21:50	15	238	5.4	THS	Effluent treatment Plant	142, 163, 167
262	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 22:00	16	231	5	THS	Effluent treatment Plant	142, 163, 167
263	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 22:00	14	236	5.2	THS	Effluent treatment Plant	142, 163, 167
264	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 22:10	13	234	4.3	THS	Effluent treatment Plant	142, 163, 167
265	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 22:20	13	244	6.2	THS	Effluent treatment Plant	142, 163, 167
266	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 22:30	12	258	4.3	THS	Effluent treatment Plant	142, 163, 167
267	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/24 22:30	12	264	3.2	THS	Effluent treatment Plant	142, 163, 167
268	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 22:40	12	264	2.9	THS	Effluent treatment Plant	142, 163, 167
269	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/06/24 22:50	11	269	2.5	THS	Effluent treatment Plant	142, 163, 167
270	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/26 17:30	6	289	0	THS	Effluent treatment Plant	143, 163, 167
271	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/26 18:30	6	281	0	THS	Effluent treatment Plant	143, 163, 167
272	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/26 19:00	8	283	0	THS	Effluent treatment Plant	143, 163, 167
273	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/28 19:30	5	70	1.8	THS	Effluent treatment Plant	144, 163, 167
274	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/29 06:30	5	17	1.1	THS	Effluent treatment Plant	145, 163, 167
275	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/29 17:30	7	284	0	THS	Effluent treatment Plant	145, 163, 167
276	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/06/30 18:00	6	334	0	THS	Effluent treatment Plant	145, 163, 167
			July 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/07/04 19:30	5	262	2.8	THS	Effluent treatment Plant	147, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/07/04 21:00	6	263	2.5	THS	Effluent treatment Plant	147, 167
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/07/14 23:30	5	268	2.3	Unknown Source - further investigation required	None	1
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/07/15 01:00	5	263	1.9	Unknown Source - further investigation required	None	1
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/07/20 08:30	27	300	1.4	Unknown Source - further investigation required	None	1
6	TRS 10-minute OME Limit (9.3 ppb)	CBD	2022/07/20 08:40	40	No Data	0.9	Unknown Source - further investigation required	None	1
7	TRS 10-minute OME Limit (9.3 ppb)	CBD	2022/07/20 08:50	37	306	1.5	Unknown Source - further investigation required	None	1
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/01 05:30	6	56	0.3	THS	Effluent treatment Plant	148, 164, 167
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/16 19:00	7	36	0.1	Unknown Source - further investigation required	None	1
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/17 18:00	6	58	4.2	Unknown Source - further investigation required	None	1
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/20 07:30	13	58	0	Unknown Source - further investigation required	None	1
12	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/20 07:40	14	64	0	Unknown Source - further investigation required	None	1
13	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/20 07:50	17	38	0	Unknown Source - further investigation required	None	1
14	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/20 08:00	13	51	0	Unknown Source - further investigation required	None	1
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/20 08:00	11	21	0	Unknown Source - further investigation required	None	1
16	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/20 08:10	10	28	0	Unknown Source - further investigation required	None	1
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/20 08:30	7	297	0.5	Unknown Source - further investigation required	None	1
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/21 08:00	8	No Data	0.7	Unknown Source - further investigation required	None	1
19	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/21 08:10	10	No Data	1.2	Unknown Source - further investigation required	None	1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
20	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/21 08:20	10	20	0.9	Unknown Source - further investigation required	None	1
21	TRS 10-minute OME Limit (9.3 ppb)	eSikhaleni	2022/07/21 08:30	11	No Data	0.5	Unknown Source - further investigation required	None	1
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/21 08:30	8	No Data	1	Unknown Source - further investigation required	None	1
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/07/21 09:00	7	1	1.5	Unknown Source - further investigation required	None	1
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/01 05:00	7	67	1.3	THS	Effluent treatment Plant	148, 164, 167
25	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 05:10	11	67	1.5	THS	Effluent treatment Plant	148, 164, 167
26	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 05:20	10	51	1.8	THS	Effluent treatment Plant	148, 164, 167
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 05:30	27	54	0.6	THS	Effluent treatment Plant	148, 164, 167
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/01 05:30	15	56	0.3	THS	Effluent treatment Plant	148, 164, 167
29	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 05:40	12	61	0.3	THS	Effluent treatment Plant	148, 164, 167
30	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 07:30	11	65	2.2	THS	Effluent treatment Plant	148, 164, 167
31	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/01 07:30	32	35	0.9	THS	Effluent treatment Plant	148, 164, 167
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 07:40	49	26	0.3	THS	Effluent treatment Plant	148, 164, 167
33	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 07:50	37	13	0.3	THS	Effluent treatment Plant	148, 164, 167
34	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/01 08:00	20	25	0	THS	Effluent treatment Plant	148, 164, 167
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/01 08:00	10	51	0.4	THS	Effluent treatment Plant	148, 164, 167
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/02 23:30	14	39	2	THS	Effluent treatment Plant	157, 164, 167
37	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/02 23:40	10	35	1.9	THS	Effluent treatment Plant	157, 164, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
38	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/02 23:50	28	51	0.9	THS	Effluent treatment Plant	157, 164, 167
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 00:00	47	65	1.2	THS	Effluent treatment Plant	156, 164, 167
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/03 00:00	26	59	1.8	THS	Effluent treatment Plant	156, 164, 167
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 00:10	27	60	1.8	THS	Effluent treatment Plant	156, 164, 167
42	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 07:30	32	138	0.1	THS	Effluent treatment Plant	156, 167
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/03 07:30	44	109	0	THS	Effluent treatment Plant	156, 167
44	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 07:40	50	102	0	THS	Effluent treatment Plant	156, 167
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 07:50	50	88	0	THS	Effluent treatment Plant	156, 167
46	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 08:00	58	59	0	THS	Effluent treatment Plant	156, 164, 167
47	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/03 08:00	44	70	0.7	THS	Effluent treatment Plant	156, 164, 167
48	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 08:10	51	62	1.5	THS	Effluent treatment Plant	156, 164, 167
49	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 08:20	24	90	0.7	THS	Effluent treatment Plant	156, 167
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/03 15:30	6	313	0	THS	Effluent treatment Plant	156, 167
51	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/03 15:50	10	332	0	THS	Effluent treatment Plant	156, 167
52	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/03 16:00	6	43	1.1	THS	Effluent treatment Plant	156, 164, 167
53	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/04 12:30	5	243	4.7	THS	Effluent treatment Plant	147, 167
54	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/05 21:30	10	67	1.9	THS	Effluent treatment Plant	152, 164, 167
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/05 21:30	8	62	1.6	THS	Effluent treatment Plant	152, 164, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
56	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/05 22:00	6	50	2.4	THS	Effluent treatment Plant	152, 164, 167
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/07 03:00	30	128	0	THS	Effluent treatment Plant	153, 167
58	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/07 03:20	84	185	0	THS	Effluent treatment Plant	153, 167
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/07 03:30	24	237	0	THS	Effluent treatment Plant	153, 167
60	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/07 03:30	11	249	0	THS	Effluent treatment Plant	153, 167
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/07 21:30	6	264	0	THS	Effluent treatment Plant	153, 167
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/07 22:00	8	298	0	THS	Effluent treatment Plant	153, 167
63	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/07 22:30	7	289	0	THS	Effluent treatment Plant	153, 167
64	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 04:30	103	70	0	THS	Effluent treatment Plant	154, 165, 167
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/08 04:30	104	79	0	THS	Effluent treatment Plant	154, 167
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 04:40	95	68	0	THS	Effluent treatment Plant	154, 165, 167
67	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 04:50	114	99	0	THS	Effluent treatment Plant	154, 167
68	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 05:00	97	86	0	THS	Effluent treatment Plant	154, 167
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/08 05:00	74	44	0	THS	Effluent treatment Plant	154, 165, 167
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 05:10	83	49	0	THS	Effluent treatment Plant	154, 165, 167
71	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 05:20	40	350	0	THS	Effluent treatment Plant	154, 167
72	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 05:30	12	7	0	THS	Effluent treatment Plant	154, 165, 167
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/08 05:30	6	49	0	THS	Effluent treatment Plant	154, 165, 167

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
74	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 06:00	15	74	0	THS	Effluent treatment Plant	154, 167
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/08 06:00	11	64	0	THS	Effluent treatment Plant	154, 165, 167
76	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/08 06:10	11	58	0	THS	Effluent treatment Plant	154, 165, 167
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/09 16:30	5	66	4.6	Mondi	Secondary effluent treatment plant	155, 166
78	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/09 17:00	5	66	5	Mondi	Secondary effluent treatment plant	155, 166
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/11 18:30	6	318	0	THS	Effluent treatment Plant	151, 167
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/12 02:00	5	42	0	THS	Effluent treatment Plant	167, 168
81	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/12 02:30	10	355	0	THS	Effluent treatment Plant	167, 168
82	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/12 02:30	12	319	0	THS	Effluent treatment Plant	167, 168
83	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/12 02:40	14	305	0	THS	Effluent treatment Plant	167, 168
84	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/12 02:50	13	309	0	THS	Effluent treatment Plant	167, 168
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/12 03:00	6	272	0	THS	Effluent treatment Plant	167, 168
86	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/13 16:30	6	236	1.3	THS	Effluent treatment Plant	167, 169
87	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/14 00:30	6	317	0	THS	Effluent treatment Plant	170, 175
88	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/14 00:40	13	325	0	THS	Effluent treatment Plant	170, 175
89	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/14 02:30	9	220	0	THS	Effluent treatment Plant	170, 175
90	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/14 02:40	16	79	0	THS	Effluent treatment Plant	170, 175
91	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/14 16:00	8	232	2.9	THS	Effluent treatment Plant	170, 175

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
92	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/14 16:30	6	236	2.2	THS	Effluent treatment Plant	170, 175
93	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/15 06:00	6	300	0.0	THS	Effluent treatment Plant	171, 175
94	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/15 07:00	14	215	0.6	THS	Effluent treatment Plant	171, 175
95	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/15 07:10	17	221	0.1	THS	Effluent treatment Plant	171, 175
96	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/15 07:20	22	232	0.0	THS	Effluent treatment Plant	171, 175
97	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/15 07:30	18	256	0.0	THS	Effluent treatment Plant	171, 175
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/15 07:30	12	340	0.0	THS	Effluent treatment Plant	171, 175
99	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/15 07:40	9	20	0.0	THS	Effluent treatment Plant	171, 175
100	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/15 08:00	7	324	0.0	THS	Effluent treatment Plant	171, 175
101	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/15 08:30	7	318	0.2	THS	Effluent treatment Plant	171, 175
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/15 10:30	6	248	2.5	THS	Effluent treatment Plant	171, 175
103	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/16 05:00	10	20	0	THS	Effluent treatment Plant	172, 175
104	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/16 05:10	15	358	0	THS	Effluent treatment Plant	172, 175
105	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/16 17:30	13	70	1.8	THS	Effluent treatment Plant	172, 175
106	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/16 17:40	16	69	1.9	THS	Effluent treatment Plant	172, 175
107	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/16 17:50	17	68	1.4	THS	Effluent treatment Plant	172, 175
108	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/16 23:30	6	17	0.9	THS	Effluent treatment Plant	172, 175
109	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/16 23:50	14	12	1	THS	Effluent treatment Plant	172, 175

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
110	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 00:00	23	10	1.1	THS	Effluent treatment Plant	173, 175
111	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/17 00:00	26	11	0.7	THS	Effluent treatment Plant	173, 175
112	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 00:10	20	13	0.9	THS	Effluent treatment Plant	173, 175
113	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 00:20	35	11	0	THS	Effluent treatment Plant	173, 175
114	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 00:30	22	17	0.1	THS	Effluent treatment Plant	173, 175
115	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/17 00:30	19	15	0.6	THS	Effluent treatment Plant	173, 175
116	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 00:40	24	12	0.4	THS	Effluent treatment Plant	173, 175
117	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 00:50	12	16	1.2	THS	Effluent treatment Plant	173, 175
118	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/17 01:00	9	23	0.9	THS	Effluent treatment Plant	173, 175
119	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 01:20	25	28	0.3	THS	Effluent treatment Plant	173, 175
120	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 01:30	89	37	0.1	THS	Effluent treatment Plant	173, 175
121	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/17 01:30	74	28	0.6	THS	Effluent treatment Plant	173, 175
122	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 01:40	99	25	0.2	THS	Effluent treatment Plant	173, 175
123	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/17 01:50	32	23	1.4	THS	Effluent treatment Plant	173, 175
124	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 01:30	8	84	0.7	THS	Effluent treatment Plant	174, 181
125	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 01:50	19	72	1.9	THS	Effluent treatment Plant	174, 181
126	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 02:00	9	55	0.8	THS	Effluent treatment Plant	174, 181
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 02:00	8	45	0.3	THS	Effluent treatment Plant	174, 181

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
128	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 02:30	29	20	0	THS	Effluent treatment Plant	174, 181
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 02:30	24	28	0.3	THS	Effluent treatment Plant	174, 181
130	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 02:40	36	24	0.6	THS	Effluent treatment Plant	174, 181
131	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 05:00	46	86	0.6	THS	Effluent treatment Plant	174, 181
132	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 05:00	52	181	0.8	THS	Effluent treatment Plant	174, 181
133	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 05:10	84	186	0.5	THS	Effluent treatment Plant	174, 181
134	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 05:20	27	254	1.3	THS	Effluent treatment Plant	174, 181
135	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 08:00	9	21	0	THS	Effluent treatment Plant	174, 181
136	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 08:10	11	28	0	THS	Effluent treatment Plant	174, 181
137	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/20 11:30	10	242	6	THS	Effluent treatment Plant	174, 181
138	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 11:30	7	244	5.9	THS	Effluent treatment Plant	174, 181
139	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 12:00	5	242	5.6	THS	Effluent treatment Plant	174, 181
140	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/20 12:30	5	245	6.1	THS	Effluent treatment Plant	174, 181
141	TRS 24-hr OME Limit (10.1 ppb)	Felixton	2022/07/21 00:00	14	309	2.1	THS	Effluent treatment Plant	176, 181
142	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 05:00	6	342	1.4	THS	Effluent treatment Plant	176, 181
143	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 05:20	11	345	1.5	THS	Effluent treatment Plant	176, 181
144	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 05:30	56	342	1.8	THS	Effluent treatment Plant	176, 181
145	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 05:30	26	343	1.6	THS	Effluent treatment Plant	176, 181

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
146	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 05:40	15	340	1.5	THS	Effluent treatment Plant	176, 181
147	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 06:00	44	No Data	0.9	THS	Effluent treatment Plant	176, 181
148	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 06:10	36	No Data	1.1	THS	Effluent treatment Plant	176, 181
149	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 06:20	93	No Data	0.3	THS	Effluent treatment Plant	176, 181
150	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 06:30	81	343	1.4	THS	Effluent treatment Plant	176, 181
151	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 06:30	83	338	1.8	THS	Effluent treatment Plant	176, 181
152	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 06:40	91	337	1.6	THS	Effluent treatment Plant	176, 181
153	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 06:50	77	333	2.3	THS	Effluent treatment Plant	176, 181
154	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 07:00	93	340	2	THS	Effluent treatment Plant	176, 181
155	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 07:00	79	346	1.5	THS	Effluent treatment Plant	176, 181
156	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 07:10	56	354	1.6	THS	Effluent treatment Plant	176, 181
157	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 07:20	90	345	0.9	THS	Effluent treatment Plant	176, 181
158	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 07:30	63	No Data	0.8	THS	Effluent treatment Plant	176, 181
159	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 07:30	75	No Data	0.5	THS	Effluent treatment Plant	176, 181
160	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 07:40	88	No Data	0.4	THS	Effluent treatment Plant	176, 181
161	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 07:50	74	No Data	0.5	THS	Effluent treatment Plant	176, 181
162	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 08:00	71	No Data	0.2	THS	Effluent treatment Plant	176, 181
163	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 08:00	62	No Data	0.7	THS	Effluent treatment Plant	176, 181

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
164	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 08:10	50	No Data	1.2	THS	Effluent treatment Plant	176, 181
165	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 08:20	64	20	0.9	THS	Effluent treatment Plant	176, 181
166	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 08:30	60	No Data	0.5	THS	Effluent treatment Plant	176, 181
167	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 08:30	75	No Data	1	THS	Effluent treatment Plant	176, 181
168	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 08:40	92	No Data	0.8	THS	Effluent treatment Plant	176, 181
169	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 08:50	73	360	1.8	THS	Effluent treatment Plant	176, 181
170	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 09:00	59	6	1.1	THS	Effluent treatment Plant	176, 181
171	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 09:00	38	1	1.5	THS	Effluent treatment Plant	176, 181
172	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 09:10	36	353	1.8	THS	Effluent treatment Plant	176, 181
173	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 09:20	20	5	1.5	THS	Effluent treatment Plant	176, 181
174	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 15:30	6	121	3.1	THS	Effluent treatment Plant	176, 181
175	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 16:00	15	133	2.5	THS	Effluent treatment Plant	176, 181
176	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 16:00	11	141	2.5	THS	Effluent treatment Plant	176, 181
177	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 16:10	12	145	2.5	THS	Effluent treatment Plant	176, 181
178	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 16:30	12	167	2.7	THS	Effluent treatment Plant	176, 181
179	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/21 16:30	10	155	2.3	THS	Effluent treatment Plant	176, 181
180	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/21 16:40	13	158	2.3	THS	Effluent treatment Plant	176, 181
181	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/23 20:30	6	359	2.3	THS	Effluent treatment Plant	177, 181

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
182	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/25 11:40	9	223	6.8	THS	Effluent treatment Plant	181
183	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/26 19:00	6	23	1.2	THS	Effluent treatment Plant	178, 181
184	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/26 19:30	21	No Data	0.8	THS	Effluent treatment Plant	178, 181
185	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/26 19:30	13	No Data	0.6	THS	Effluent treatment Plant	178, 181
186	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/26 19:40	14	No Data	0.2	THS	Effluent treatment Plant	178, 181
187	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/26 21:30	7	No Data	0.4	THS	Effluent treatment Plant	178, 181
188	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/26 21:40	10	No Data	0.3	THS	Effluent treatment Plant	178, 181
189	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/27 00:00	5	No Data	1	THS	Effluent treatment Plant	179, 181
190	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 00:20	12	No Data	0.5	THS	Effluent treatment Plant	179, 181
191	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 01:00	19	20	1.7	THS	Effluent treatment Plant	179, 181
192	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/27 01:00	14	24	1.8	THS	Effluent treatment Plant	179, 181
193	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 01:10	16	23	1.7	THS	Effluent treatment Plant	179, 181
194	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 01:30	26	27	1	THS	Effluent treatment Plant	179, 181
195	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/27 01:30	29	16	0.8	THS	Effluent treatment Plant	179, 181
196	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 01:40	29	No Data	0.8	THS	Effluent treatment Plant	179, 181
197	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 01:50	32	9	0.8	THS	Effluent treatment Plant	179, 181
198	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 02:00	19	No Data	0.9	THS	Effluent treatment Plant	179, 181
199	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/27 02:00	10	301	1	THS	Effluent treatment Plant	179, 181

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
200	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 02:20	12	282	0.9	THS	Effluent treatment Plant	179, 181
201	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 02:30	21	No Data	0.2	THS	Effluent treatment Plant	179, 181
202	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/27 02:30	13	No Data	0.2	THS	Effluent treatment Plant	179, 181
203	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 02:50	11	No Data	0.2	THS	Effluent treatment Plant	179, 181
204	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 18:00	10	232	3.5	THS	Effluent treatment Plant	179, 181
205	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/07/27 18:00	9	223	3.4	THS	Effluent treatment Plant	179, 181
206	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/07/27 18:20	10	217	3.6	THS	Effluent treatment Plant	179, 181
			August 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/08/17 21:30	6	230	6.1	Mondi	Effluent treatment Plant	204
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/08/17 22:00	6	231	6.4	Mondi	Effluent treatment Plant	204
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/08/17 22:30	6	231	5.1	Mondi	Effluent treatment Plant	204
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/08/17 23:00	6	230	4.8	Mondi	Effluent treatment Plant	204
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/08/17 23:30	6	235	5	Mondi	Effluent treatment Plant	204
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/08/06 05:00	5	26	1.3	Mondi	Effluent treatment Plant	204
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/08/06 05:30	7	4	1.5	Mondi	Effluent treatment Plant	204
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/08/06 06:00	5	9	1.5	Mondi	Effluent treatment Plant	204
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/08/17 19:30	5	44	2.4	Mondi	Effluent treatment Plant	204
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/08/27 02:00	5	58	0.2	Mondi	Effluent Treatment Plant	204

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/08/27 02:30	6	14	0.4	Mondi	Effluent Treatment Plant	204
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/01 19:30	12	No Data	0.2	THS	Effluent treatment Plant	180, 193
13	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 19:40	12	No Data	0.2	THS	Effluent treatment Plant	180, 193
14	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 19:50	21	No Data	0.2	THS	Effluent treatment Plant	180, 193
15	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 20:00	14	No Data	0.2	THS	Effluent treatment Plant	180, 193
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/01 20:00	18	No Data	0.2	THS	Effluent treatment Plant	180, 193
17	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 20:10	25	No Data	0.2	THS	Effluent treatment Plant	180, 193
18	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 20:20	15	No Data	0.2	THS	Effluent treatment Plant	180, 193
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/01 20:30	10	No Data	0.2	THS	Effluent treatment Plant	180, 193
20	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 20:50	14	No Data	0.2	THS	Effluent treatment Plant	180, 193
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/01 21:30	13	No Data	0.2	THS	Effluent treatment Plant	180, 193
22	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 21:40	14	No Data	0.2	THS	Effluent treatment Plant	180, 193
23	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 21:50	21	No Data	0.2	THS	Effluent treatment Plant	180, 193
24	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 22:00	16	No Data	0.5	THS	Effluent treatment Plant	180, 193
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/01 22:00	18	No Data	0.7	THS	Effluent treatment Plant	180, 193
26	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 22:10	20	349	1.2	THS	Effluent treatment Plant	180, 193
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 22:20	18	No Data	0.3	THS	Effluent treatment Plant	180, 193
28	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/01 22:30	16	No Data	0.2	THS	Effluent treatment Plant	180, 193

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/01 22:30	10	No Data	0.3	THS	Effluent treatment Plant	180, 193
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/02 02:00	13	343	1.8	THS	Effluent treatment Plant	183, 193
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/02 02:10	17	343	1.9	THS	Effluent treatment Plant	183, 193
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/02 02:20	20	345	1.5	THS	Effluent treatment Plant	183, 193
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/05 17:00	5	127	1.2	THS	Effluent treatment Plant	184, 193
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/05 17:30	8	No Data	0.2	THS	Effluent treatment Plant	184, 193
35	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/05 18:00	6	No Data	0.2	THS	Effluent treatment Plant	184, 193
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/05 21:00	5	No Data	1.2	THS	Effluent treatment Plant	184, 193
37	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/05 21:20	11	349	1.4	THS	Effluent treatment Plant	184, 193
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/05 22:00	11	No Data	0.4	THS	Effluent treatment Plant	184, 193
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/05 22:20	28	No Data	0.7	THS	Effluent treatment Plant	184, 193
40	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/05 22:30	41	347	1.6	THS	Effluent treatment Plant	184, 193
41	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/05 22:30	18	341	1.7	THS	Effluent treatment Plant	184, 193
42	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/05 22:40	10	339	1.6	THS	Effluent treatment Plant	184, 193
43	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/07 20:00	7	No Data	0.2	THS	Effluent treatment Plant	185, 193
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/07 20:30	5	17	1	THS	Effluent treatment Plant	185, 193
45	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/07 21:00	5	No Data	0.9	THS	Effluent treatment Plant	185, 193
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 15:00	6	244	4.3	THS	Effluent treatment Plant	186, 193

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/08 15:10	10	239	5.1	THS	Effluent treatment Plant	186, 193
48	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 15:30	5	227	4.8	THS	Effluent treatment Plant	186, 193
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 16:00	8	235	5.2	THS	Effluent treatment Plant	186, 193
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 16:30	9	238	6.8	THS	Effluent treatment Plant	186, 193
51	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/08 16:40	10	237	6.9	THS	Effluent treatment Plant	186, 193
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/08 16:50	11	235	6.9	THS	Effluent treatment Plant	186, 193
53	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/08 17:00	10	237	6.1	THS	Effluent treatment Plant	186, 193
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 17:00	9	237	6	THS	Effluent treatment Plant	186, 193
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 17:30	6	242	5.9	THS	Effluent treatment Plant	186, 193
56	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 18:00	6	237	7.2	THS	Effluent treatment Plant	186, 193
57	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/08 18:30	11	231	6.1	THS	Effluent treatment Plant	186, 193
58	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/08 18:30	8	234	6	THS	Effluent treatment Plant	186, 193
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/08 18:40	10	233	5.4	THS	Effluent treatment Plant	186, 193
60	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/09 20:00	44	46	0.3	THS	Effluent treatment Plant	187, 193
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/09 20:00	33	21	0.6	THS	Effluent treatment Plant	187, 193
62	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/09 20:10	32	12	0.6	THS	Effluent treatment Plant	187, 193
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/09 20:20	22	7	0.8	THS	Effluent treatment Plant	187, 193
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/11 04:00	15	16	0.6	THS	Effluent treatment Plant	188, 193

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
65	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/11 04:10	27	4	0.5	THS	Effluent treatment Plant	188, 193
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/11 04:20	14	5	0.2	THS	Effluent treatment Plant	188, 193
67	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/12 07:00	6	37	4.5	THS	Effluent treatment Plant	192, 193
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/12 16:30	6	70	1.3	THS	Effluent treatment Plant	192, 193
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/15 17:30	7	228	4.3	THS	Effluent treatment Plant	182
70	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/15 18:00	9	224	4.9	THS	Effluent treatment Plant	182
71	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/15 18:10	10	224	4.8	THS	Effluent treatment Plant	182
72	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/15 18:20	10	225	4.8	THS	Effluent treatment Plant	182
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/15 18:30	8	224	5.3	THS	Effluent treatment Plant	182
74	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/15 18:50	10	226	5	THS	Effluent treatment Plant	182
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/15 19:00	6	225	4.7	THS	Effluent treatment Plant	182
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 01:30	7	47	2	THS	Effluent treatment Plant	189, 193
77	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 01:50	14	58	1.7	THS	Effluent treatment Plant	189, 193
78	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 02:00	11	87	1.2	THS	Effluent treatment Plant	189, 193
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 02:00	7	124	0.8	THS	Effluent treatment Plant	189, 193
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 06:30	5	48	1.4	THS	Effluent treatment Plant	189, 193
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 07:00	6	93	1	THS	Effluent treatment Plant	189, 193
82	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 07:30	8	51	1.2	THS	Effluent treatment Plant	189, 193

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
83	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 08:00	10	27	2.5	THS	Effluent treatment Plant	189, 193
84	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 08:10	10	29	2.6	THS	Effluent treatment Plant	189, 193
85	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 08:20	13	27	2.7	THS	Effluent treatment Plant	189, 193
86	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 08:30	11	28	2.4	THS	Effluent treatment Plant	189, 193
87	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 08:30	7	46	2.1	THS	Effluent treatment Plant	189, 193
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 11:30	5	63	1.2	THS	Effluent treatment Plant	189, 193
89	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 12:00	6	83	1.6	THS	Effluent treatment Plant	189, 193
90	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 12:30	7	78	2.3	THS	Effluent treatment Plant	189, 193
91	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 13:00	6	83	2.2	THS	Effluent treatment Plant	189, 193
92	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 13:30	7	83	2.7	THS	Effluent treatment Plant	189, 193
93	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 14:00	7	90	2.7	THS	Effluent treatment Plant	189, 193
94	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 14:30	6	92	2.7	THS	Effluent treatment Plant	189, 193
95	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 15:00	7	83	2.9	THS	Effluent treatment Plant	189, 193
96	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 15:30	7	79	3.3	THS	Effluent treatment Plant	189, 193
97	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 16:00	8	75	2.5	THS	Effluent treatment Plant	189, 193
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 16:30	8	83	2	THS	Effluent treatment Plant	189, 193
99	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 17:00	7	54	2.1	THS	Effluent treatment Plant	189, 193
100	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 17:30	14	44	2.4	THS	Effluent treatment Plant	189, 193

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
101	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 17:30	15	51	1.7	THS	Effluent treatment Plant	189, 193
102	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 17:40	18	51	1.8	THS	Effluent treatment Plant	189, 193
103	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 17:50	11	59	1	THS	Effluent treatment Plant	189, 193
104	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 18:00	9	51	1.6	THS	Effluent treatment Plant	189, 193
105	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 18:30	8	63	2.3	THS	Effluent treatment Plant	189, 193
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 19:00	17	67	1.7	THS	Effluent treatment Plant	189, 193
107	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 19:10	22	73	1.5	THS	Effluent treatment Plant	189, 193
108	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 19:20	22	55	1.8	THS	Effluent treatment Plant	189, 193
109	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 19:30	11	49	2	THS	Effluent treatment Plant	189, 193
110	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 19:30	8	44	2.4	THS	Effluent treatment Plant	189, 193
111	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 20:00	11	45	2.5	THS	Effluent treatment Plant	189, 193
112	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 20:20	18	357	3	THS	Effluent treatment Plant	189, 193
113	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 20:30	14	257	4.2	THS	Effluent treatment Plant	189, 193
114	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 20:30	10	255	5.7	THS	Effluent treatment Plant	189, 193
115	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/17 20:40	9	252	6.1	THS	Effluent treatment Plant	189, 193
116	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 21:00	6	255	6.1	THS	Effluent treatment Plant	189, 193
117	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 21:30	6	255	5.2	THS	Effluent treatment Plant	189, 193
118	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 22:00	6	256	4.4	THS	Effluent treatment Plant	189, 193

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
119	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 22:30	6	255	4.9	THS	Effluent treatment Plant	189, 193
120	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 23:00	6	255	4.2	THS	Effluent treatment Plant	189, 193
121	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/17 23:30	6	253	4	THS	Effluent treatment Plant	189, 193
122	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/20 06:30	15	41	2.1	THS	Effluent treatment Plant	190, 193
123	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/20 06:30	8	40	2.6	THS	Effluent treatment Plant	190, 193
124	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/22 04:30	13	49	1.7	THS	Effluent treatment Plant	191, 193
125	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/22 04:30	13	48	2.1	THS	Effluent treatment Plant	191, 193
126	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/22 04:40	14	47	2.1	THS	Effluent treatment Plant	191, 193
127	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/22 04:50	11	50	2.4	THS	Effluent treatment Plant	191, 193
128	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/22 05:00	6	36	2	THS	Effluent treatment Plant	191, 193
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/23 06:00	5	54	0.6	THS	Effluent treatment Plant	193, 194
130	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/23 06:20	14	15	0.7	THS	Effluent treatment Plant	193, 194
131	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/23 06:30	10	3	0.1	THS	Effluent treatment Plant	193
132	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/26 22:30	20	43	0.5	THS	Effluent treatment Plant	193, 195
133	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/26 22:30	24	101	0.2	THS	Effluent treatment Plant	193, 195
134	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/26 22:40	25	208	0.1	THS	Effluent treatment Plant	193, 195
135	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/26 22:50	28	154	0.1	THS	Effluent treatment Plant	193, 195
136	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/26 23:00	16	238	0.4	THS	Effluent treatment Plant	193, 195

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
137	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/26 23:00	13	359	0.4	THS	Effluent treatment Plant	193, 195
138	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/26 23:10	18	42	0.3	THS	Effluent treatment Plant	193, 195
139	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 00:00	10	84	0.6	THS	Effluent treatment Plant	193, 196
140	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 00:10	10	92	0.1	THS	Effluent treatment Plant	193, 196
141	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 00:20	14	64	0.9	THS	Effluent treatment Plant	193, 196
142	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 00:30	28	25	0.6	THS	Effluent treatment Plant	193, 196
143	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 00:30	19	40	0.7	THS	Effluent treatment Plant	193, 196
144	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 00:40	10	38	0.6	THS	Effluent treatment Plant	193, 196
145	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 00:50	19	47	0.9	THS	Effluent treatment Plant	193, 196
146	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 01:00	17	65	1.1	THS	Effluent treatment Plant	193, 196
147	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 01:00	13	59	1	THS	Effluent treatment Plant	193, 196
148	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 01:10	12	62	0.9	THS	Effluent treatment Plant	193, 196
149	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 01:20	10	52	1.1	THS	Effluent treatment Plant	193, 196
150	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 01:30	11	71	0.8	THS	Effluent treatment Plant	193, 196
151	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 01:30	10	103	0.5	THS	Effluent treatment Plant	193, 196
152	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 01:40	9	119	0.3	THS	Effluent treatment Plant	193, 196
153	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 01:50	10	124	0.4	THS	Effluent treatment Plant	193, 196
154	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 02:00	14	106	0.2	THS	Effluent treatment Plant	193, 196

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
155	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 02:00	18	58	0.2	THS	Effluent treatment Plant	193, 196
156	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 02:10	12	30	0.3	THS	Effluent treatment Plant	193, 196
157	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 02:20	28	42	0.1	THS	Effluent treatment Plant	193, 196
158	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 02:30	35	68	0.4	THS	Effluent treatment Plant	193, 196
159	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 02:40	76	2	0.6	THS	Effluent treatment Plant	193, 196
160	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 03:00	25	48	0.9	THS	Effluent treatment Plant	193, 196
161	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 03:10	28	54	0.6	THS	Effluent treatment Plant	193, 196
162	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 03:20	15	59	1.3	THS	Effluent treatment Plant	193, 196
163	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 03:30	6	45	0.9	THS	Effluent treatment Plant	193, 196
164	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 04:00	7	40	1.2	THS	Effluent treatment Plant	193, 196
165	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 04:10	9	27	1.1	THS	Effluent treatment Plant	193, 196
166	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 05:30	11	69	2.3	THS	Effluent treatment Plant	193, 196
167	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 05:30	10	63	2.6	THS	Effluent treatment Plant	193, 196
168	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 05:40	12	69	3.1	THS	Effluent treatment Plant	193, 196
169	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 07:30	8	59	0.8	THS	Effluent treatment Plant	193, 196
170	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/27 07:50	17	86	0.7	THS	Effluent treatment Plant	193, 196
171	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 08:00	5	53	2.3	THS	Effluent treatment Plant	193, 196
172	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 13:00	7	232	5.9	THS	Effluent treatment Plant	193, 196

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
173	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 14:00	5	239	6.9	THS	Effluent treatment Plant	193, 196
174	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/27 14:30	7	236	6.2	THS	Effluent treatment Plant	193, 196
175	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 10:00	6	236	6.9	THS	Effluent treatment Plant	193, 197
176	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 10:30	5	237	6.5	THS	Effluent treatment Plant	193, 197
177	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/29 19:00	13	220	5.2	THS	Effluent treatment Plant	193, 197
178	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 19:00	8	219	4.3	THS	Effluent treatment Plant	193, 197
179	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/29 20:20	10	218	4.2	THS	Effluent treatment Plant	193, 197
180	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/29 20:30	9	227	4.5	THS	Effluent treatment Plant	193, 197
181	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 20:30	6	231	5.2	THS	Effluent treatment Plant	193, 197
182	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 21:00	14	228	4.4	THS	Effluent treatment Plant	193, 197
183	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/29 21:10	16	228	4.3	THS	Effluent treatment Plant	193, 197
184	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/29 21:20	16	229	4.2	THS	Effluent treatment Plant	193, 197
185	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 21:30	6	224	4.2	THS	Effluent treatment Plant	193, 197
186	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/29 22:00	7	228	3.8	THS	Effluent treatment Plant	193, 197
187	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/29 22:10	12	224	3	THS	Effluent treatment Plant	193, 197
188	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 00:00	11	234	4.7	THS	Effluent treatment Plant	193, 199
189	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 00:00	7	237	5.1	THS	Effluent treatment Plant	193, 199
190	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 01:20	11	227	4.8	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
191	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 01:30	11	229	5	THS	Effluent treatment Plant	193, 199
192	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 01:30	10	225	5.6	THS	Effluent treatment Plant	193, 199
193	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 01:50	14	219	6.7	THS	Effluent treatment Plant	193, 199
194	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 02:00	12	220	6.5	THS	Effluent treatment Plant	193, 199
195	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 02:00	8	219	5.5	THS	Effluent treatment Plant	193, 199
196	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 02:30	10	223	5.9	THS	Effluent treatment Plant	193, 199
197	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 02:40	10	219	5.9	THS	Effluent treatment Plant	193, 199
198	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 02:50	13	224	5.4	THS	Effluent treatment Plant	193, 199
199	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 03:00	17	224	6.4	THS	Effluent treatment Plant	193, 199
200	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 03:00	14	224	5.3	THS	Effluent treatment Plant	193, 199
201	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 03:10	13	226	5.1	THS	Effluent treatment Plant	193, 199
202	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 03:20	13	223	4.5	THS	Effluent treatment Plant	193, 199
203	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 03:30	13	229	7.2	THS	Effluent treatment Plant	193, 199
204	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 03:30	12	225	6.5	THS	Effluent treatment Plant	193, 199
205	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 03:40	12	229	6.3	THS	Effluent treatment Plant	193, 199
206	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 03:50	10	217	6	THS	Effluent treatment Plant	193, 199
207	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 04:00	10	218	7	THS	Effluent treatment Plant	193, 199
208	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 04:00	9	220	6.3	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
209	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 04:20	12	220	5.7	THS	Effluent treatment Plant	193, 199
210	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 04:30	12	225	5.4	THS	Effluent treatment Plant	193, 199
211	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 04:30	9	224	6.3	THS	Effluent treatment Plant	193, 199
212	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 05:00	9	222	6	THS	Effluent treatment Plant	193, 199
213	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 05:10	10	224	5.6	THS	Effluent treatment Plant	193, 199
214	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 05:20	10	222	6.8	THS	Effluent treatment Plant	193, 199
215	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 05:30	10	224	6.6	THS	Effluent treatment Plant	193, 199
216	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 05:40	11	223	5.4	THS	Effluent treatment Plant	193, 199
217	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 05:50	10	228	8	THS	Effluent treatment Plant	193, 199
218	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 06:00	10	228	5.9	THS	Effluent treatment Plant	193, 199
219	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 06:00	11	222	6.2	THS	Effluent treatment Plant	193, 199
220	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 06:10	11	216	6.3	THS	Effluent treatment Plant	193, 199
221	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 06:20	12	220	6.6	THS	Effluent treatment Plant	193, 199
222	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 06:30	9	225	6.7	THS	Effluent treatment Plant	193, 199
223	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 06:50	12	229	6.6	THS	Effluent treatment Plant	193, 199
224	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 07:00	11	230	7.6	THS	Effluent treatment Plant	193, 199
225	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 07:00	10	225	6.8	THS	Effluent treatment Plant	193, 199
226	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 07:10	11	220	6.9	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
227	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 07:30	12	226	5.2	THS	Effluent treatment Plant	193, 199
228	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 07:30	7	220	6.4	THS	Effluent treatment Plant	193, 199
229	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 08:00	10	233	7.1	THS	Effluent treatment Plant	193, 199
230	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 08:00	7	223	7.2	THS	Effluent treatment Plant	193, 199
231	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 08:30	16	228	5.6	THS	Effluent treatment Plant	193, 199
232	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 08:40	17	227	5.8	THS	Effluent treatment Plant	193, 199
233	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 08:50	22	228	5.3	THS	Effluent treatment Plant	193, 199
234	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 09:00	20	232	6.6	THS	Effluent treatment Plant	193, 199
235	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 09:00	8	234	6.4	THS	Effluent treatment Plant	193, 199
236	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 11:00	8	237	6.5	THS	Effluent treatment Plant	193, 199
237	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 11:20	13	234	6	THS	Effluent treatment Plant	193, 199
238	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 11:30	12	235	6.4	THS	Effluent treatment Plant	193, 199
239	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 11:30	11	235	6.9	THS	Effluent treatment Plant	193, 199
240	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 11:40	14	233	6.9	THS	Effluent treatment Plant	193, 199
241	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 12:00	14	234	6.4	THS	Effluent treatment Plant	193, 199
242	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 12:10	19	236	7	THS	Effluent treatment Plant	193, 199
243	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 12:20	14	232	6	THS	Effluent treatment Plant	193, 199
244	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 12:30	11	226	6.1	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
245	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 12:40	14	227	5.9	THS	Effluent treatment Plant	193, 199
246	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 12:50	13	225	6.5	THS	Effluent treatment Plant	193, 199
247	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 13:00	8	220	7.2	THS	Effluent treatment Plant	193, 199
248	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 13:20	10	222	7	THS	Effluent treatment Plant	193, 199
249	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 13:30	8	216	7.2	THS	Effluent treatment Plant	193, 199
250	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 13:50	12	214	7.7	THS	Effluent treatment Plant	193, 199
251	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 14:00	18	220	6.7	THS	Effluent treatment Plant	193, 199
252	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 14:00	13	217	6.7	THS	Effluent treatment Plant	193, 199
253	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 14:10	13	218	6.9	THS	Effluent treatment Plant	193, 199
254	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 14:30	12	223	5.8	THS	Effluent treatment Plant	193, 199
255	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 14:40	17	223	6	THS	Effluent treatment Plant	193, 199
256	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 14:50	11	225	6.2	THS	Effluent treatment Plant	193, 199
257	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 15:00	12	225	5.2	THS	Effluent treatment Plant	193, 199
258	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 15:00	10	223	5.2	THS	Effluent treatment Plant	193, 199
259	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 15:20	11	220	5	THS	Effluent treatment Plant	193, 199
260	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 15:30	11	225	5.5	THS	Effluent treatment Plant	193, 199
261	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 15:40	13	225	5.4	THS	Effluent treatment Plant	193, 199
262	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 15:50	13	224	5.8	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
263	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 16:00	12	228	4.5	THS	Effluent treatment Plant	193, 199
264	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 16:00	12	224	5.3	THS	Effluent treatment Plant	193, 199
265	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 16:10	14	225	5.3	THS	Effluent treatment Plant	193, 199
266	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 16:20	11	220	6.2	THS	Effluent treatment Plant	193, 199
267	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 16:30	11	217	4.8	THS	Effluent treatment Plant	193, 199
268	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 16:30	11	222	4.7	THS	Effluent treatment Plant	193, 199
269	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 16:40	13	225	4.5	THS	Effluent treatment Plant	193, 199
270	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 16:50	10	223	4.9	THS	Effluent treatment Plant	193, 199
271	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 17:00	15	222	5.5	THS	Effluent treatment Plant	193, 199
272	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 17:00	14	223	4.9	THS	Effluent treatment Plant	193, 199
273	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 17:10	13	222	5.1	THS	Effluent treatment Plant	193, 199
274	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 17:20	14	225	4.3	THS	Effluent treatment Plant	193, 199
275	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 17:30	6	225	4.9	THS	Effluent treatment Plant	193, 199
276	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 18:00	10	223	5.6	THS	Effluent treatment Plant	193, 199
277	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 18:10	15	224	5.6	THS	Effluent treatment Plant	193, 199
278	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 18:20	13	225	4.9	THS	Effluent treatment Plant	193, 199
279	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 18:30	10	229	5	THS	Effluent treatment Plant	193, 199
280	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 18:30	9	228	5.1	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
281	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 18:40	14	227	5.1	THS	Effluent treatment Plant	193, 199
282	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 19:00	10	230	7	THS	Effluent treatment Plant	193, 199
283	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 19:00	14	228	5.9	THS	Effluent treatment Plant	193, 199
284	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 19:10	13	228	5.3	THS	Effluent treatment Plant	193, 199
285	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 19:20	19	228	5.3	THS	Effluent treatment Plant	193, 199
286	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 19:30	21	231	6.2	THS	Effluent treatment Plant	193, 199
287	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 19:30	21	228	6.1	THS	Effluent treatment Plant	193, 199
288	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 19:40	21	227	6.1	THS	Effluent treatment Plant	193, 199
289	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 19:50	22	228	5.9	THS	Effluent treatment Plant	193, 199
290	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 20:00	15	236	6.8	THS	Effluent treatment Plant	193, 199
291	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 20:00	13	233	6.8	THS	Effluent treatment Plant	193, 199
292	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 20:10	14	231	7.2	THS	Effluent treatment Plant	193, 199
293	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 20:20	10	231	6.4	THS	Effluent treatment Plant	193, 199
294	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 20:30	10	234	6.7	THS	Effluent treatment Plant	193, 199
295	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 20:40	11	234	6.9	THS	Effluent treatment Plant	193, 199
296	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 21:00	6	233	7.2	THS	Effluent treatment Plant	193, 199
297	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/30 21:30	9	230	6	THS	Effluent treatment Plant	193, 199
298	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/30 21:30	6	232	7.1	THS	Effluent treatment Plant	193, 199

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
299	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 14:30	8	233	5.4	THS	Effluent treatment Plant	193, 198
300	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 15:00	8	232	5.6	THS	Effluent treatment Plant	193, 198
301	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 15:30	7	231	5.1	THS	Effluent treatment Plant	193, 198
302	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 16:00	7	231	5.1	THS	Effluent treatment Plant	193, 198
303	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 16:30	9	232	5	THS	Effluent treatment Plant	193, 198
304	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 17:00	9	229	4.2	THS	Effluent treatment Plant	193, 198
305	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/31 17:20	11	232	4.7	THS	Effluent treatment Plant	193, 198
306	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/31 17:30	13	218	4.2	THS	Effluent treatment Plant	193, 198
307	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 17:30	10	213	4.3	THS	Effluent treatment Plant	193, 198
308	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/08/31 17:50	10	213	4.3	THS	Effluent treatment Plant	193, 198
309	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 18:00	5	214	3.4	THS	Effluent treatment Plant	193, 198
310	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/08/31 19:00	5	211	3.4	THS	Effluent treatment Plant	193, 198
			September 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/09/20 05:00	6	235	5.5	Mondi	Effluent treatment Plant	204
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/09/20 06:00	7	237	5.4	Mondi	Effluent treatment Plant	204
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/09/20 06:30	6	236	4.4	Mondi	Effluent treatment Plant	204
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/09/20 09:00	5	236	5.4	Mondi	Effluent treatment Plant	204
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/09/21 05:00	6	235	5.1	Mondi	Effluent treatment Plant	204

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/09/21 11:00	6	242	5.2	Mondi	Effluent treatment Plant	204
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 11:00	9	242	5.2	THS	Effluent treatment Plant	193, 200
8	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/03 11:20	10	245	4.8	THS	Effluent treatment Plant	193, 200
9	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/03 11:30	10	242	5.2	THS	Effluent treatment Plant	193, 200
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 11:30	7	240	5.1	THS	Effluent treatment Plant	193, 200
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 12:00	6	237	5.5	THS	Effluent treatment Plant	193, 200
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 12:30	6	233	5.1	THS	Effluent treatment Plant	193, 200
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 13:00	7	239	5.1	THS	Effluent treatment Plant	193, 200
14	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/03 13:20	10	238	4.7	THS	Effluent treatment Plant	193, 200
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 13:30	6	228	4.3	THS	Effluent treatment Plant	193, 200
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 14:00	6	232	4.7	THS	Effluent treatment Plant	193, 200
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/03 14:30	5	231	4.2	THS	Effluent treatment Plant	193, 200
18	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/04 02:00	5	260	0.3	THS	Effluent treatment Plant	193, 201
19	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/04 02:20	13	193	0.8	THS	Effluent treatment Plant	193, 201
20	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/04 02:30	15	131	0.8	THS	Effluent treatment Plant	193, 201
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/04 02:30	13	93	0.9	THS	Effluent treatment Plant	193, 201
22	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/04 02:40	13	167	0.5	THS	Effluent treatment Plant	193, 201
23	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/04 02:50	10	27	1.5	THS	Effluent treatment Plant	193, 201

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 10:30	5	240	6.1	THS	Effluent plant and Smuts clarifiers	203, 211
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 11:30	7	240	7.2	THS	Effluent plant and Smuts clarifiers	203, 211
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 12:00	7	236	6.9	THS	Effluent plant and Smuts clarifiers	203, 211
27	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 16:30	7	222	4.5	THS	Effluent plant and Smuts clarifiers	203, 211
28	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 16:50	10	223	4	THS	Effluent plant and Smuts clarifiers	203, 211
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 17:00	10	223	3.8	THS	Effluent plant and Smuts clarifiers	203, 211
30	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 17:10	9	224	4.2	THS	Effluent plant and Smuts clarifiers	203, 211
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 17:20	12	222	3.5	THS	Effluent plant and Smuts clarifiers	203, 211
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 17:30	14	221	4.1	THS	Effluent plant and Smuts clarifiers	203, 211
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 17:30	13	222	3.7	THS	Effluent plant and Smuts clarifiers	203, 211
34	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 17:40	15	222	3.6	THS	Effluent plant and Smuts clarifiers	203, 211
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 17:50	10	222	3.6	THS	Effluent plant and Smuts clarifiers	203, 211
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 18:00	17	220	3.2	THS	Effluent plant and Smuts clarifiers	203, 211
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 18:00	10	218	3.6	THS	Effluent plant and Smuts clarifiers	203, 211
38	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/05 18:30	10	215	3	THS	Effluent plant and Smuts clarifiers	203, 211
39	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/05 18:30	8	214	3.4	THS	Effluent plant and Smuts clarifiers	203, 211
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/11 01:30	9	227	4.3	THS	Effluent plant and Smuts clarifiers	202, 211
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 01:40	11	224	4.7	THS	Effluent plant and Smuts clarifiers	202, 211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
42	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 01:50	13	226	5.1	THS	Effluent plant and Smuts clarifiers	202, 211
43	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 02:00	10	229	4.5	THS	Effluent plant and Smuts clarifiers	202, 211
44	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/11 02:00	12	224	4	THS	Effluent plant and Smuts clarifiers	202, 211
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 02:10	12	225	4	THS	Effluent plant and Smuts clarifiers	202, 211
46	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 02:20	12	218	3.6	THS	Effluent plant and Smuts clarifiers	202, 211
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 02:30	11	230	3.2	THS	Effluent plant and Smuts clarifiers	202, 211
48	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/11 02:30	11	230	3.1	THS	Effluent plant and Smuts clarifiers	202, 211
49	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 02:40	14	230	3	THS	Effluent plant and Smuts clarifiers	202, 211
50	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 02:50	10	230	3.1	THS	Effluent plant and Smuts clarifiers	202, 211
51	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/11 03:00	9	231	2.7	THS	Effluent plant and Smuts clarifiers	202, 211
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 03:10	11	230	2.4	THS	Effluent plant and Smuts clarifiers	202, 211
53	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/11 03:20	10	230	3	THS	Effluent plant and Smuts clarifiers	202, 211
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/12 01:30	6	238	4.7	THS	Effluent plant and Smuts clarifiers	211
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/12 04:30	5	235	3.5	THS	Effluent plant and Smuts clarifiers	211
56	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 13:00	6	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
57	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/17 13:20	11	230	5.3	THS	Effluent plant and Smuts clarifiers	211
58	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 13:30	6	223	5.4	THS	Effluent plant and Smuts clarifiers	211
59	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 14:00	6	223	5.4	THS	Effluent plant and Smuts clarifiers	211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
60	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 14:30	8	225	5.3	THS	Effluent plant and Smuts clarifiers	211
61	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/17 14:40	10	228	5.1	THS	Effluent plant and Smuts clarifiers	211
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 15:00	8	224	4.7	THS	Effluent plant and Smuts clarifiers	211
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/17 15:20	10	234	4.6	THS	Effluent plant and Smuts clarifiers	211
64	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/17 15:30	10	232	4.2	THS	Effluent plant and Smuts clarifiers	211
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 15:30	7	233	4.3	THS	Effluent plant and Smuts clarifiers	211
66	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/17 23:30	6	63	0.7	THS	Effluent plant and Smuts clarifiers	211
67	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 10:00	6	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
68	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/19 10:10	10	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 11:00	5	242	6.6	THS	Effluent plant and Smuts clarifiers	211
70	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 11:30	6	244	6.4	THS	Effluent plant and Smuts clarifiers	211
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 17:30	8	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
72	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 18:00	7	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
73	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/19 18:20	10	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
74	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/09/19 18:30	12	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
75	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 18:30	7	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 19:30	5	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/19 20:00	6	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
78	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/26 04:00	5	269	1.3	THS	Effluent plant and Smuts clarifiers	211
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/26 04:30	6	251	1.9	THS	Effluent plant and Smuts clarifiers	211
80	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/09/26 10:30	5	225	3.7	THS	Effluent plant and Smuts clarifiers	211
			October 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/10/01 19:30	5	233	6.5	Mondi	Effluent treatment Plant	204
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	eSikhaleni	2022/10/17 20:30	5	62	3.6	Unknown Source - further investigation required	None	1
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/06 12:30	8	234	5.8	THS	Effluent plant and Smuts clarifiers	211
4	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/06 12:50	13	232	5.4	THS	Effluent plant and Smuts clarifiers	211
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/06 13:00	5	236	6.5	THS	Effluent plant and Smuts clarifiers	211
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/06 13:30	6	241	7.2	THS	Effluent plant and Smuts clarifiers	211
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/06 14:30	5	242	6.7	THS	Effluent plant and Smuts clarifiers	211
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/06 21:00	5	235	6.5	THS	Effluent plant and Smuts clarifiers	211
9	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/06 21:10	10	232	6.2	THS	Effluent plant and Smuts clarifiers	211
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/09 09:00	7	236	3.3	THS	Effluent plant and Smuts clarifiers	206, 211
11	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/09 10:30	5	236	4.4	THS	Effluent plant and Smuts clarifiers	206, 211
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/09 15:00	5	245	6.6	THS	Effluent plant and Smuts clarifiers	206, 211
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/10 00:00	7	227	5.3	THS	Effluent plant and Smuts clarifiers	206, 211
14	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/10 00:20	10	223	5.8	THS	Effluent plant and Smuts clarifiers	206, 211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
15	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/10 00:30	11	228	6.3	THS	Effluent plant and Smuts clarifiers	206, 211
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/10 00:30	9	232	7.1	THS	Effluent plant and Smuts clarifiers	206, 211
17	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/10 00:40	11	234	7.3	THS	Effluent plant and Smuts clarifiers	206, 211
18	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/10 02:30	10	236	6	THS	Effluent plant and Smuts clarifiers	206, 211
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/10 02:30	9	234	6.4	THS	Effluent plant and Smuts clarifiers	206, 211
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/12 08:30	9	247	4.5	THS	Effluent plant and Smuts clarifiers	205, 211
21	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 08:50	17	251	4.7	THS	Effluent plant and Smuts clarifiers	205, 211
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/12 18:30	5	249	0.7	THS	Effluent plant and Smuts clarifiers	205, 211
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/12 19:30	7	325	0.5	THS	Effluent plant and Smuts clarifiers	205, 211
24	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 19:50	14	3	0.2	THS	Effluent plant and Smuts clarifiers	205, 211
25	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 20:00	14	318	0.7	THS	Effluent plant and Smuts clarifiers	205, 211
26	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/12 20:00	14	298	0.7	THS	Effluent plant and Smuts clarifiers	205, 211
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 20:10	14	310	0.6	THS	Effluent plant and Smuts clarifiers	205, 211
28	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 20:20	13	266	0.9	THS	Effluent plant and Smuts clarifiers	205, 211
29	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 20:30	13	254	0.9	THS	Effluent plant and Smuts clarifiers	205, 211
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/12 20:30	9	270	0.9	THS	Effluent plant and Smuts clarifiers	205, 211
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/12 20:40	10	265	0.6	THS	Effluent plant and Smuts clarifiers	205, 211
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 06:00	5	315	1.2	THS	Effluent plant and Smuts clarifiers	210, 211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 09:30	15	241	6.7	THS	Effluent plant and Smuts clarifiers	210, 211
34	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 09:40	20	245	6.8	THS	Effluent plant and Smuts clarifiers	210, 211
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 09:50	22	243	6.7	THS	Effluent plant and Smuts clarifiers	210, 211
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 10:00	13	238	6.8	THS	Effluent plant and Smuts clarifiers	210, 211
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 10:00	10	234	6.5	THS	Effluent plant and Smuts clarifiers	210, 211
38	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 10:20	11	232	6.5	THS	Effluent plant and Smuts clarifiers	210, 211
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 10:30	15	239	6.8	THS	Effluent plant and Smuts clarifiers	210, 211
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 10:30	10	235	5.9	THS	Effluent plant and Smuts clarifiers	210, 211
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 10:40	10	231	5.1	THS	Effluent plant and Smuts clarifiers	210, 211
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 11:00	15	233	6.4	THS	Effluent plant and Smuts clarifiers	210, 211
43	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 11:10	17	229	6.2	THS	Effluent plant and Smuts clarifiers	210, 211
44	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 11:20	22	234	7	THS	Effluent plant and Smuts clarifiers	210, 211
45	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 11:30	23	229	5.9	THS	Effluent plant and Smuts clarifiers	210, 211
46	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 11:30	16	231	6.3	THS	Effluent plant and Smuts clarifiers	210, 211
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 11:40	14	233	6.8	THS	Effluent plant and Smuts clarifiers	210, 211
48	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 11:50	10	230	6.3	THS	Effluent plant and Smuts clarifiers	210, 211
49	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 12:00	17	232	6.7	THS	Effluent plant and Smuts clarifiers	210, 211
50	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 12:00	14	236	6.7	THS	Effluent plant and Smuts clarifiers	210, 211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
51	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 12:10	13	237	6.5	THS	Effluent plant and Smuts clarifiers	210, 211
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 12:20	12	240	6.9	THS	Effluent plant and Smuts clarifiers	210, 211
53	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 12:30	11	239	6.5	THS	Effluent plant and Smuts clarifiers	210, 211
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 12:30	15	240	6.2	THS	Effluent plant and Smuts clarifiers	210, 211
55	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 12:40	15	238	6.2	THS	Effluent plant and Smuts clarifiers	210, 211
56	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 12:50	18	242	6.1	THS	Effluent plant and Smuts clarifiers	210, 211
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 13:00	10	238	5.7	THS	Effluent plant and Smuts clarifiers	210, 211
58	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 13:10	11	234	5.2	THS	Effluent plant and Smuts clarifiers	210, 211
59	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 13:20	14	242	5.9	THS	Effluent plant and Smuts clarifiers	210, 211
60	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 13:30	11	241	6.2	THS	Effluent plant and Smuts clarifiers	210, 211
61	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 13:30	13	238	6.3	THS	Effluent plant and Smuts clarifiers	210, 211
62	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 13:40	16	233	5.9	THS	Effluent plant and Smuts clarifiers	210, 211
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 13:50	12	239	6.8	THS	Effluent plant and Smuts clarifiers	210, 211
64	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 14:00	11	237	6.1	THS	Effluent plant and Smuts clarifiers	210, 211
65	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 14:00	12	236	5.5	THS	Effluent plant and Smuts clarifiers	210, 211
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 14:10	11	237	6.1	THS	Effluent plant and Smuts clarifiers	210, 211
67	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 14:20	15	234	4.4	THS	Effluent plant and Smuts clarifiers	210, 211
68	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 14:30	22	235	4.9	THS	Effluent plant and Smuts clarifiers	210, 211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
69	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 14:30	18	234	5	THS	Effluent plant and Smuts clarifiers	210, 211
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 14:40	13	234	4.9	THS	Effluent plant and Smuts clarifiers	210, 211
71	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 14:50	19	235	5.1	THS	Effluent plant and Smuts clarifiers	210, 211
72	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 15:00	17	237	5.2	THS	Effluent plant and Smuts clarifiers	210, 211
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 15:00	16	240	5.4	THS	Effluent plant and Smuts clarifiers	210, 211
74	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 15:10	14	243	6.1	THS	Effluent plant and Smuts clarifiers	210, 211
75	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 15:20	16	239	4.7	THS	Effluent plant and Smuts clarifiers	210, 211
76	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 15:30	19	235	5.6	THS	Effluent plant and Smuts clarifiers	210, 211
77	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 15:30	16	235	5.1	THS	Effluent plant and Smuts clarifiers	210, 211
78	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 15:40	13	235	5.6	THS	Effluent plant and Smuts clarifiers	210, 211
79	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 15:50	15	234	4.1	THS	Effluent plant and Smuts clarifiers	210, 211
80	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 16:00	15	229	4.7	THS	Effluent plant and Smuts clarifiers	210, 211
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 16:00	12	228	4.6	THS	Effluent plant and Smuts clarifiers	210, 211
82	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 16:10	12	231	4.5	THS	Effluent plant and Smuts clarifiers	210, 211
83	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 16:30	8	224	3.4	THS	Effluent plant and Smuts clarifiers	210, 211
84	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 17:00	11	232	3.4	THS	Effluent plant and Smuts clarifiers	210, 211
85	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 17:00	11	235	3.7	THS	Effluent plant and Smuts clarifiers	210, 211
86	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 17:20	11	No Data	No Data	THS	Effluent plant and Smuts clarifiers	210, 211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
87	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 17:30	13	234	4	THS	Effluent plant and Smuts clarifiers	210, 211
88	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 17:30	12	235	3.9	THS	Effluent plant and Smuts clarifiers	210, 211
89	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 17:40	12	235	3.9	THS	Effluent plant and Smuts clarifiers	210, 211
90	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 17:50	11	236	3.8	THS	Effluent plant and Smuts clarifiers	210, 211
91	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 18:00	5	239	4.2	THS	Effluent plant and Smuts clarifiers	210, 211
92	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 18:30	10	237	4.1	THS	Effluent plant and Smuts clarifiers	210, 211
93	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 18:30	7	237	4.2	THS	Effluent plant and Smuts clarifiers	210, 211
94	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 19:00	10	No Data	No Data	THS	Effluent plant and Smuts clarifiers	210, 211
95	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 19:00	10	No Data	No Data	THS	Effluent plant and Smuts clarifiers	210, 211
96	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/14 19:10	12	No Data	No Data	THS	Effluent plant and Smuts clarifiers	210, 211
97	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/14 21:30	6	239	4.1	THS	Effluent plant and Smuts clarifiers	210, 211
98	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/15 03:30	5	258	2.5	THS	Effluent plant and Smuts clarifiers	209, 211
99	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/15 05:00	11	266	1.9	THS	Effluent plant and Smuts clarifiers	209, 211
100	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/15 05:00	5	264	2	THS	Effluent plant and Smuts clarifiers	209, 211
101	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/16 19:30	8	51	1.1	THS	Effluent plant and Smuts clarifiers	207, 208, 211
102	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/16 20:00	7	340	0.4	THS	Effluent plant and Smuts clarifiers	207, 208, 211
103	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/17 00:30	7	26	0.6	THS	Effluent plant and Smuts clarifiers	211
104	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/22 12:30	6	233	5.8	THS	Effluent plant and Smuts clarifiers	211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
105	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/22 12:40	10	230	5.5	THS	Effluent plant and Smuts clarifiers	211
106	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/22 15:00	8	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
107	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/22 15:20	13	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
108	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/22 18:30	6	206	4.8	THS	Effluent plant and Smuts clarifiers	211
109	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/22 18:50	10	206	5.3	THS	Effluent plant and Smuts clarifiers	211
110	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/23 20:30	7	44	0.9	THS	Effluent plant and Smuts clarifiers	211
111	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/23 21:00	6	43	1.5	THS	Effluent plant and Smuts clarifiers	211
112	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/23 22:30	5	284	1.2	THS	Effluent plant and Smuts clarifiers	211
113	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/24 20:30	9	5	0.1	THS	Effluent plant and Smuts clarifiers	211
114	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/24 20:40	16	2	0.1	THS	Effluent plant and Smuts clarifiers	211
115	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/24 21:00	11	295	0.6	THS	Effluent plant and Smuts clarifiers	211
116	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/24 21:00	9	245	0.5	THS	Effluent plant and Smuts clarifiers	211
117	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/24 21:20	15	212	0.4	THS	Effluent plant and Smuts clarifiers	211
118	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/24 21:30	24	185	0.7	THS	Effluent plant and Smuts clarifiers	211
119	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/24 21:30	17	230	0.5	THS	Effluent plant and Smuts clarifiers	211
120	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/24 21:40	14	213	0.1	THS	Effluent plant and Smuts clarifiers	211
121	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/24 21:50	13	335	0.7	THS	Effluent plant and Smuts clarifiers	211
122	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/24 22:00	8	360	0.9	THS	Effluent plant and Smuts clarifiers	211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
123	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/25 04:30	11	73	1.3	THS	Effluent plant and Smuts clarifiers	211
124	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/25 04:40	17	69	1.4	THS	Effluent plant and Smuts clarifiers	211
125	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/25 04:50	12	67	1.5	THS	Effluent plant and Smuts clarifiers	211
126	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/25 05:00	6	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
127	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/25 20:30	8	232	3.3	THS	Effluent plant and Smuts clarifiers	211
128	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/25 20:50	12	229	3.3	THS	Effluent plant and Smuts clarifiers	211
129	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 04:30	6	238	5.6	THS	Effluent plant and Smuts clarifiers	211
130	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 10:00	6	247	4.3	THS	Effluent plant and Smuts clarifiers	211
131	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 10:30	6	242	5	THS	Effluent plant and Smuts clarifiers	211
132	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 11:30	6	240	3.8	THS	Effluent plant and Smuts clarifiers	211
133	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 12:30	7	236	3.8	THS	Effluent plant and Smuts clarifiers	211
134	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 14:00	6	No Data	No Data	THS	Effluent plant and Smuts clarifiers	211
135	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 16:30	7	233	3.2	THS	Effluent plant and Smuts clarifiers	211
136	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/26 20:00	12	198	2.2	THS	Effluent plant and Smuts clarifiers	211
137	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/26 20:00	10	202	2.2	THS	Effluent plant and Smuts clarifiers	211
138	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/26 20:10	15	197	2.4	THS	Effluent plant and Smuts clarifiers	211
139	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/26 20:40	10	208	1.7	THS	Effluent plant and Smuts clarifiers	211
140	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/27 03:00	9	339	0.1	THS	Effluent plant and Smuts clarifiers	211

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
141	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/27 03:20	20	340	0	THS	Effluent plant and Smuts clarifiers	211
142	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/27 03:30	18	316	0	THS	Effluent plant and Smuts clarifiers	211
143	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/27 03:30	18	144	0	THS	Effluent plant and Smuts clarifiers	211
144	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/27 03:40	20	154	0	THS	Effluent plant and Smuts clarifiers	211
145	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/27 03:50	18	133	0	THS	Effluent plant and Smuts clarifiers	211
146	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/27 04:00	15	136	0	THS	Effluent plant and Smuts clarifiers	211
147	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/27 04:00	12	229	0.5	THS	Effluent plant and Smuts clarifiers	211
148	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/27 04:10	13	258	0.6	THS	Effluent plant and Smuts clarifiers	211
149	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/27 19:30	5	No Data	No Data	Unknown Source - further investigation required	None	1
150	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 03:00	13	No Data	No Data	THS (meteorology)	None	1
151	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 03:10	15	No Data	No Data	THS (meteorology)	None	1
152	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 03:20	16	No Data	No Data	THS (meteorology)	None	1
153	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 03:30	17	No Data	No Data	THS (meteorology)	None	1
154	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 03:30	17	No Data	No Data	THS (meteorology)	None	1
155	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 03:40	16	No Data	No Data	THS (meteorology)	None	1
156	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 03:50	16	No Data	No Data	THS (meteorology)	None	1
157	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 04:00	13	No Data	No Data	THS (meteorology)	None	1
158	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 04:00	12	No Data	No Data	THS (meteorology)	None	1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
159	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 04:10	9	No Data	No Data	THS (meteorology)	None	1
160	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 04:20	13	No Data	No Data	THS (meteorology)	None	1
161	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 04:30	10	No Data	No Data	THS (meteorology)	None	1
162	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 04:30	6	No Data	No Data	THS (meteorology)	None	1
163	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 05:00	14	234	4.5	THS (meteorology)	None	1
164	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 05:00	14	229	4.7	THS (meteorology)	None	1
165	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 05:10	11	226	4.2	THS (meteorology)	None	1
166	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 05:20	15	227	5.5	THS (meteorology)	None	1
167	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 05:30	17	232	4.4	THS (meteorology)	None	1
168	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 05:30	17	230	5	THS (meteorology)	None	1
169	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 05:40	19	229	5.1	THS (meteorology)	None	1
170	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 05:50	16	231	5.3	THS (meteorology)	None	1
171	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 06:00	16	230	5.9	THS (meteorology)	None	1
172	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 06:00	17	232	6.7	THS (meteorology)	None	1
173	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 06:10	18	232	6.5	THS (meteorology)	None	1
174	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 06:20	16	233	7.8	THS (meteorology)	None	1
175	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 06:30	6	235	6.6	THS (meteorology)	None	1
176	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 08:30	13	236	5.8	THS (meteorology)	None	1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
177	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 08:40	16	237	5.8	THS (meteorology)	None	1
178	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 08:50	16	235	6.2	THS (meteorology)	None	1
179	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 09:00	11	239	6	THS (meteorology)	None	1
180	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 09:00	6	237	5	THS (meteorology)	None	1
181	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 09:30	15	224	3.9	THS (meteorology)	None	1
182	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 09:30	16	224	4.1	THS (meteorology)	None	1
183	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 09:40	15	224	4.3	THS (meteorology)	None	1
184	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 09:50	16	225	4.2	THS (meteorology)	None	1
185	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 10:00	20	222	4	THS (meteorology)	None	1
186	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 10:00	18	221	4.5	THS (meteorology)	None	1
187	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 10:10	18	220	4.5	THS (meteorology)	None	1
188	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 10:20	17	220	5.1	THS (meteorology)	None	1
189	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 10:30	14	220	4.4	THS (meteorology)	None	1
190	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 10:30	10	216	4.8	THS (meteorology)	None	1
191	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 10:40	11	212	5	THS (meteorology)	None	1
192	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 11:00	8	224	5	THS (meteorology)	None	1
193	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 11:20	11	227	5.2	THS (meteorology)	None	1
194	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 11:30	14	216	5.9	THS (meteorology)	None	1

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
195	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 11:30	8	220	5.7	THS (meteorology)	None	1
196	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/28 18:30	6	229	1.2	THS (meteorology)	None	1
197	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/28 18:40	10	252	1.2	THS (meteorology)	None	1
198	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/31 01:00	6	234	4.9	THS (meteorology)	None	1
199	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/31 01:30	8	231	5.3	THS (meteorology)	None	1
200	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/10/31 02:00	11	236	5.1	THS (meteorology)	None	1
201	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/10/31 02:00	7	240	5.7	THS (meteorology)	None	1
			November 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/06 05:00	6	254	2.6	Mondi	Effluent treatment Plant	228
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/06 05:30	5	262	3.3	Mondi	Effluent treatment Plant	228
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/10 20:00	5	280	1.7	Mondi	Effluent treatment Plant	228
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/20 01:30	6	242	4.7	Mondi	Effluent treatment Plant	228
5	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/20 04:00	6	244	3.9	Mondi	Effluent treatment Plant	228
6	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/24 15:00	5	251	5.3	Mondi	Effluent treatment Plant	228
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/27 05:30	8	261	3.7	Mondi	Effluent treatment Plant	228
8	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/11/28 05:30	6	253	2.1	Mondi	Effluent treatment Plant	228
9	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/01 21:00	9	322	0.5	THS	Effluent plant and Smuts clarifiers	212, 227
10	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/01 21:20	11	279	0.6	THS	Effluent plant and Smuts clarifiers	212, 227

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
11	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/01 21:30	12	327	0.7	THS	Effluent plant and Smuts clarifiers	212, 227
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/01 21:30	9	351	0.5	THS	Effluent plant and Smuts clarifiers	212, 227
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/08 17:30	11	144	0.5	THS	Effluent plant and Smuts clarifiers	213, 227
14	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/08 17:40	16	137	0.4	THS	Effluent plant and Smuts clarifiers	213, 227
15	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/08 17:50	16	140	0.5	THS	Effluent plant and Smuts clarifiers	213, 227
16	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/11 05:30	14	195	0.1	THS	Effluent plant and Smuts clarifiers	214, 227
17	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/11 05:40	23	185	0.3	THS	Effluent plant and Smuts clarifiers	214, 227
18	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/11 05:50	15	128	0.1	THS	Effluent plant and Smuts clarifiers	214, 227
19	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/13 15:00	6	226	5.4	THS	Effluent plant and Smuts clarifiers	215, 227
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/13 20:00	5	224	4.4	THS	Effluent plant and Smuts clarifiers	215, 227
21	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/13 20:30	6	234	3.7	THS	Effluent plant and Smuts clarifiers	215, 227
22	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/14 19:00	7	No Data	No Data	THS	Effluent plant and Smuts clarifiers	216, 227
23	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/16 12:30	5	240	5.8	THS	Effluent plant and Smuts clarifiers	217, 227
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/19 16:30	6	233	4.4	THS	Effluent plant and Smuts clarifiers	218, 227
25	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/26 18:30	11	157	2	THS	Effluent plant and Smuts clarifiers	219, 227
26	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 18:40	17	160	2	THS	Effluent plant and Smuts clarifiers	219, 227
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 18:50	15	155	1.8	THS	Effluent plant and Smuts clarifiers	219, 227
28	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 19:00	10	148	1.4	THS	Effluent plant and Smuts clarifiers	219, 227

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
29	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/26 19:00	5	141	1.5	THS	Effluent plant and Smuts clarifiers	219, 227
30	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/26 20:00	8	179	1.9	THS	Effluent plant and Smuts clarifiers	219, 227
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 20:20	15	172	1.3	THS	Effluent plant and Smuts clarifiers	219, 227
32	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 20:30	10	218	1.2	THS	Effluent plant and Smuts clarifiers	219, 227
33	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/26 20:30	6	234	1.1	THS	Effluent plant and Smuts clarifiers	219, 227
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/26 22:00	10	223	3.4	THS	Effluent plant and Smuts clarifiers	219, 227
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 22:20	22	196	3.1	THS	Effluent plant and Smuts clarifiers	219, 227
36	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/26 22:30	15	200	4.3	THS	Effluent plant and Smuts clarifiers	219, 227
37	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/26 22:30	8	222	3	THS	Effluent plant and Smuts clarifiers	219, 227
38	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/27 18:30	6	184	2.4	THS	Effluent plant and Smuts clarifiers	220, 227
39	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 21:30	12	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
40	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/27 21:30	10	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
41	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 21:40	11	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
42	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/27 22:00	8	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
43	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 22:20	10	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
44	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 22:30	13	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
45	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/27 22:30	14	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
46	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 22:40	13	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
47	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 22:50	14	No Data	No Data	THS	Effluent plant and Smuts clarifiers	220, 227
48	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/27 23:00	6	182	2.6	THS	Effluent plant and Smuts clarifiers	220, 227
49	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/27 23:30	8	193	2.1	THS	Effluent plant and Smuts clarifiers	220, 227
50	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/27 23:40	13	190	2.4	THS	Effluent plant and Smuts clarifiers	220, 227
51	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 00:00	12	191	1.6	THS	Effluent plant and Smuts clarifiers	225, 227
52	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 00:10	14	188	1.6	THS	Effluent plant and Smuts clarifiers	225, 227
53	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 00:20	15	191	1.6	THS	Effluent plant and Smuts clarifiers	225, 227
54	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 00:30	6	205	2	THS	Effluent plant and Smuts clarifiers	225, 227
55	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 01:00	6	209	1.4	THS	Effluent plant and Smuts clarifiers	225, 227
56	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 07:00	5	183	2.3	THS	Effluent plant and Smuts clarifiers	225, 227
57	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 07:30	8	199	2.9	THS	Effluent plant and Smuts clarifiers	225, 227
58	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 07:40	10	197	2.5	THS	Effluent plant and Smuts clarifiers	225, 227
59	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 17:30	7	152	1.6	THS	Effluent plant and Smuts clarifiers	225, 227
60	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 18:00	7	138	1	THS	Effluent plant and Smuts clarifiers	225, 227
61	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 18:30	12	139	1.4	THS	Effluent plant and Smuts clarifiers	225, 227
62	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 18:30	9	144	1.4	THS	Effluent plant and Smuts clarifiers	225, 227
63	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 18:40	10	145	1.6	THS	Effluent plant and Smuts clarifiers	225, 227
64	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 19:00	11	168	1.2	THS	Effluent plant and Smuts clarifiers	225, 227

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
65	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 19:20	18	168	1.2	THS	Effluent plant and Smuts clarifiers	225, 227
66	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/28 19:30	13	175	1.1	THS	Effluent plant and Smuts clarifiers	225, 227
67	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/28 19:30	10	170	1	THS	Effluent plant and Smuts clarifiers	225, 227
68	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/29 06:00	7	132	0.8	THS	Effluent plant and Smuts clarifiers	221, 227
69	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/29 06:20	19	121	0.8	THS	Effluent plant and Smuts clarifiers	221, 227
70	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/29 06:30	16	224	0.6	THS	Effluent plant and Smuts clarifiers	221, 227
71	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/29 06:30	11	297	0.9	THS	Effluent plant and Smuts clarifiers	221, 227
72	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/29 06:40	11	313	1	THS	Effluent plant and Smuts clarifiers	221, 227
73	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/29 18:30	6	68	3.2	THS	Effluent plant and Smuts clarifiers	221, 227
74	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/30 00:30	6	16	1	THS	Effluent plant and Smuts clarifiers	224, 227
75	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 00:50	10	18	1	THS	Effluent plant and Smuts clarifiers	224, 227
76	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/30 01:00	14	64	0.8	THS	Effluent plant and Smuts clarifiers	224, 227
77	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 01:20	26	109	0.8	THS	Effluent plant and Smuts clarifiers	224, 227
78	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 01:30	10	66	1.1	THS	Effluent plant and Smuts clarifiers	224, 227
79	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/30 01:30	10	34	1	THS	Effluent plant and Smuts clarifiers	224, 227
80	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 01:50	11	18	0.8	THS	Effluent plant and Smuts clarifiers	224, 227
81	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/30 02:00	7	65	0.9	THS	Effluent plant and Smuts clarifiers	224, 227
82	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 02:20	14	52	1.1	THS	Effluent plant and Smuts clarifiers	224, 227

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
83	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 02:30	37	59	0.3	THS	Effluent plant and Smuts clarifiers	224, 227
84	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/11/30 02:30	37	45	0.8	THS	Effluent plant and Smuts clarifiers	224, 227
85	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 02:40	42	38	1	THS	Effluent plant and Smuts clarifiers	224, 227
86	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/11/30 02:50	33	39	1.2	THS	Effluent plant and Smuts clarifiers	224, 227
			December 2022						
1	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	CBD	2022/12/20 03:30	5	254	3.1	Mondi	Effluent treatment Plant	229, 234
2	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/05 18:30	9	231	3.1	THS	Effluent plant and Smuts clarifiers	222, 232
3	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/05 19:00	7	223	3.9	THS	Effluent plant and Smuts clarifiers	222, 232
4	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/07 05:00	10	50	0.8	THS (meteorology)	Responded: Mpact, THS	223, 235
5	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/07 05:10	18	38	0.8	THS (meteorology)	Responded: Mpact, THS	223, 235
6	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/07 05:20	12	77	1.2	THS (meteorology)	Responded: Mpact, THS	223, 235
7	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/11 12:30	6	147	1.2	THS (meteorology)	Responded: Mpact, THS	223, 235
8	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 02:50	11	261	2.5	THS	Effluent plant and Smuts clarifiers	229, 232
9	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 03:00	15	245	1.6	THS	Effluent plant and Smuts clarifiers	229, 232
10	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 03:00	8	241	1.3	THS	Effluent plant and Smuts clarifiers	229, 232
11	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 03:30	17	248	1.8	THS	Effluent plant and Smuts clarifiers	229, 232
12	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 03:30	10	256	2.3	THS	Effluent plant and Smuts clarifiers	229, 232
13	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 04:00	5	244	2.2	THS	Effluent plant and Smuts clarifiers	229, 232

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
14	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 06:30	7	248	2.2	THS	Effluent plant and Smuts clarifiers	229, 232
15	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 20:00	5	127	1.3	THS (meteorology)	Responded: Mpact, THS	229, 235
16	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 20:20	13	83	1.6	THS (meteorology)	Responded: Mpact, THS	229, 235
17	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 20:30	8	126	1.4	THS (meteorology)	Responded: Mpact, THS	229, 235
18	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 20:50	10	177	1.1	THS	Effluent plant and Smuts clarifiers	229, 232
19	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 21:00	11	195	1.2	THS	Effluent plant and Smuts clarifiers	229, 232
20	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 21:00	15	181	1	THS	Effluent plant and Smuts clarifiers	229, 232
21	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 21:10	15	172	0.9	THS	Effluent plant and Smuts clarifiers	229, 232
22	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 21:20	21	172	0.9	THS	Effluent plant and Smuts clarifiers	229, 232
23	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 21:30	19	168	1.6	THS	Effluent plant and Smuts clarifiers	229, 232
24	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 21:30	17	171	1.5	THS (meteorology)	Responded: Mpact, THS	229, 235
25	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 21:40	15	183	1.6	THS	Effluent plant and Smuts clarifiers	229, 232
26	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 21:50	16	161	1.2	THS	Effluent plant and Smuts clarifiers	229, 232
27	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 22:00	29	79	0.7	THS (meteorology)	Responded: Mpact, THS	229, 235
28	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 22:00	35	66	0.5	THS (meteorology)	Responded: Mpact, THS	229, 235
29	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 22:10	40	80	0.3	THS (meteorology)	Responded: Mpact, THS	229, 235
30	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 22:20	36	304	0.5	THS	Effluent plant and Smuts clarifiers	229, 232
31	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 22:30	22	296	0.7	THS	Effluent plant and Smuts clarifiers	229, 232

No	Target / Limit / Limit	Station	Date	Value (ppb)	Wind Direction (°)	Wind Speed (m/s)	Source	Comment	Response
32	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/21 22:30	16	284	0.9	THS	Effluent plant and Smuts clarifiers	229, 232
33	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/21 22:40	17	299	0.8	THS	Effluent plant and Smuts clarifiers	229, 232
34	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/22 06:30	6	1	1.4	Mondi (meteorology)	No source identified	230, 233
35	TRS 10-minute OME Limit (9.3 ppb)	Felixton	2022/12/22 20:00	10	59	5.4	Mondi (meteorology)	No source identified	230, 233
36	TRS 30-minute WHO H ₂ S Limit (5.0 ppb)	Felixton	2022/12/22 20:00	8	55	5.4	Mondi (meteorology)	No source identified	230, 233

Table 1: TRS Responses

Response	Industry Feedback
1	Unresolved / No Response
2	No response required / Allocated by wind direction
3	Mondi - Candice Webb responded, (10 /01/2022 08:12): Please be advised that based on Wind Direction it is unlikely that Mondi is the source of TRS.
4	Mondi - Candice Webb responded, 10 /01/2022 08:46: Mondi has investigated and identified fugitive emissions due to partial mill start up as the source of the TRS.
5	Mondi - Candice Webb responded, (10 /01/2022 08:51): Mondi has investigated and identified fugitive emissions as a result of partial mill start up as the root cause of the following TRS exceedances: TRS 30-minute WHO H2S Guideline 5 eSikhaleni 2022/01/01 00:00 6.0 303 0.4 TRS 30-minute WHO H2S Guideline 5 eSikhaleni 2022/01/01 00:30 5.4 285 0.3 TRS 30-minute WHO H2S Guideline 5 eSikhaleni 2022/01/01 03:30 6.8 75 0.4 TRS 30-minute WHO H2S Guideline 5 eSikhaleni 2022/01/01 04:00 5.4 59 0.3 TRS 30-minute WHO H2S Guideline 5 Felixton 2022/01/01 04:30 8.2 62 1.2 TRS 30-minute WHO H2S Guideline 5 Felixton 2022/01/01 05:00 41.8 31 1.7 Based on wind direction, it is unlikely that Mondi contributed to the following exceedances: TRS 30-minute WHO H2S Guideline 5 Felixton 2022/01/01 22:30 15.4 276 1.0 TRS 30-minute WHO H2S Guideline 5 Felixton 2022/01/01 23:00 7.4 262 1.6
6	Mpact - Yolandi Schoeman responded, (10/01/2022 11:23): Reports show that the paper machine had short stops from 16h00 and was running smoothly by the time when the TRS exceedance occurred at 22h30 . Effluent Plant did not conduct any pond or clarifier cleaning activities on Friday 7 Jan 2022. The reports show that the boilers ran well and therefore could not have impacted the air quality to generate a high TRS. Mpact could not have been the source of the TRS exceedances experienced at the Felixton station on Friday ,7 Jan 2022.
7	Mpact - Yolandi Schoeman responded, (10/01/2022 11:23): On 8 Jan 2022 the paper machine ran smoothly with no unexpected/abnormal stops or start-ups around 03h00 to 04h00 the morning when the TRS exceedance occurred. Effluent Plant did not conduct any pond or clarifier cleaning activities at that time of the night. The reports show that the boilers ran well and therefore could not have impacted the air quality to generate a high TRS. Mpact could not have been the source of the TRS exceedances experienced at the Felixton station on Saturday ,8 Jan 2022.
8	Mpact - Yolandi Schoeman responded, 10/01/2022 11:23: Reports show that the paper machine ran smoothly with no unexpected/abnormal stops or start-ups around midnight when the TRS exceedance occurred. Effluent Plant did not conduct any pond or clarifier cleaning activities at that time of the night. The reports show that the boilers ran well and therefore could not have impacted the air quality to generate a high TRS. Mpact could not have been the source of the TRS exceedances experienced at the Felixton station on Sunday ,9 Jan 2022.
9	Mpact - Yolandi Schoeman responded, (10/01/2022 11:27): Reports show that the paper machine ran smoothly with no unexpected/abnormal stops or start-ups before or during the TRS exceedance. Effluent Plant did not conduct any pond or clarifier cleaning activities at that time of the night. The reports show that the boilers ran well and therefore could not have impacted the air quality to generate a high TRS. Mpact could not have been the source of the TRS exceedances experienced at the Felixton station on Thursday ,5 Jan 2022.

Response	Industry Feedback
10	Mondi - Candice Webb responded, (11/01/2022 08:18): Based on prevailing wind direction and start-up conditions at the mill. It is possible that Mondi contributed to the TRS.
11	Mondi - Candice Webb responded, (11/01/2022 08:19): Based on prevailing wind direction and start-up conditions at the mill. It is possible that Mondi contributed to the TRS.
12	Mondi - Candice Webb responded, (11 /01/2022 08:21): Based on prevailing wind direction and start-up conditions at the mill, it is possible Mondi contributed to the following TRS exceedances:
13	Tongaat Hulett - Nicolas Govender responded (13/01/2022 10:05, 10:12, 10:13, 10:17, 10:18, 10:19): Response for Felixton Station, we have shut down mill operations completely since the 21st December 2021. All effluent plant operations were normal. These exceedances can possibly be related to our effluent operations which is currently being investigated by an external service provider. Further communication regarding investigations will be communicated at a later stage.
14	Tongaat Hulett - Nicolas Govender responded (13/01/2022 10:20, 10:22): We have shut down mill operations completely since the 21st December 2021. All effluent plant operations were normal. Wind directions also indicate this couldn't be related to TH.
15	Mondi - Candice Webb responded, (14 /01/2022 14:24): Based on wind direction it is unlikely that Mondi contributed to the TRS.
16	Mpact - Maggie Odayar responded, (18/01/2022 11:15): Mpact has investigated the TRS exceedance at the Felixton Station on the 14th of January 2022. The paper machine had no stops on the day as well as the steam generation plant. The effluent plant operated smoothly with no cleaning activities. Mpact is unlikely to have contributed to the exceedance in TRS.
17	Mondi - Candice Webb responded, 19 /01/2022 08:07: Based on wind direction it is possible that Mondi contributed to the TRS.
18	Tongaat Hulett - Nicolas Govender responded (19/01/2022 16:00, 16:01): We have shut down mill operations completely since the 21st December 2021. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
19	Tongaat Hulett - Nicolas Govender responded 19/01/2022 16:02, 16:03: We have shut down mill operations completely since the 21st December 2021. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
20	Tongaat Hulett - Nicolas Govender responded (19/01/2022 16:04, 16:05): We have shut down mill operations completely since the 21st December 2021. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
21	Mpact - Yolandi Schoeman responded, (20 /01/2022 08:03): On Thursday, 13 January predominately South Westerly winds were blowing. Reports show that before and during the periods of exceedances the paper machine ran well, no ESKOM power dips occurred or any abnormal incidents that might have impacted the processes. The boiler house reports show that the stack opacities were well below the limits and there were no abnormal incidents before or during the periods of TRS exceedances. The effluent plant conducted no pond/clarifier cleaning activities on Thursday. Mpact could not have the source of the TRS exceedances experienced at the Felixton monitoring station. Effluent Plant did not conduct any pond or clarifier cleaning activities on Friday 7 Jan 2022. The reports show that the boilers ran well and therefore could not have impacted the air quality to generate a high TRS. Mpact could not have been the source of the TRS exceedances experienced at the Felixton station on Friday ,7 Jan 2022.
22	Mpact - Yolandi Schoeman responded, (20/01/2022 08:18): On Friday evening, 14 January, a Northerly wind was blowing. The paper machine ran smoothly, there were no ESKOM power dips or abnormal incidences that could of disturbed the processes. The boiler house reports indicated there were no abnormal incidences. At 21h00 the evening there were no effluent pond/clarifier cleaning activities that could of contributed to the TRS exceedance.

Response	Industry Feedback
	Mpact could not have been the source of the TRS exceedances experienced at the Felixton monitoring station.
23	Mpact - Yolandi Schoeman responded, (20/01/2022 08:23): On Tuesday morning, 18 January, the paper machine ran smoothly, there were no ESKOM power dips or abnormal incidences that could of disturbed the processes. The boiler house report indicate that the stack opacities were clear and below the limits. No effluent pond/clarifier cleaning activities commenced that morning that could of contributed to the TRS exceedance. Mpact could not have been the source of the TRS exceedances experienced at the Felixton monitoring station.
24	Tongaat Hulett - Nicolas Govender responded (24/01/2022 15:51, 15:52 and 15:53): We have shut down all mill operations completely and is currently busy with maintenance. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal with desludging taking place. We are also currently investigating the TRS exceedances through an external service provider.
25	Tongaat Hulett - Nicolas Govender responded (24/01/2022 15:55): We have shut down all mill operations completely and is currently busy with maintenance. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal with desludging taking place. We are also currently investigating the TRS exceedances through an external service provider.
26	Tongaat Hulett - Nicolas Govender responded (24/01/2022 15:58): We have shut down all mill operations completely and is currently busy with maintenance. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal with desludging taking place. We are also currently investigating the TRS exceedances through an external service provider.
27	Mondi - Candice Webb responded, (25/01/2022 08:51): Based on wind direction and start up conditions of the mill, Mondi is the most likely source of the exceedances below. Root cause has been traced to Secondary Effluent Treatment plant which is in the process of treating lesser quality effluent from our emergency ponds. Mondi will review operational times of the effluent plant to reduce the odour risk.
28	Mondi - Candice Webb responded, (25/01/2022 08:52): Based on prevailing wind direction it is unlikely that Mondi is the source of the TRS.
29	Mondi - Candice Webb responded, (25/01/2022 09:10): Based on low wind speeds and low TRS readings at eSikhaleni and UVS stations prior to the time of the exceedances. It is unlikely that Mondi is the source.
30	Mpact - Yolandi Schoeman responded, (25/01/2022 10:20): Northerly winds were blowing in the early morning hours of 21 Jan 2022 and South Westerly winds the evening. Reports indicate that the paper machine had no abnormal occurrences or ESKOM power dips that could of affected the processes. Effluent plant did not undertake pond or clarifier cleaning activities at the times of the exceedances. Boiler house stack opacities were stable and no abnormal activities or opacities were recorded in reports. Mpact is unlikely to have contributed the TRS exceedances on 21 Jan 2021.
31	Mpact - Yolandi Schoeman responded, 25 /01/2022 10:22: A South Easterly wind was blowing the evening of 22 January 2022 from 19h00 to 21h00. Reports indicate that an ESKOM power dip occurred at 13h45 and the paper machine started up around 15h00. Boiler house operations were well controlled during the power dip and stack opacities remained clear throughout the day. Effluent plant did not undertake pond or clarifier cleaning activities on Saturday evening, 22 Jan. Mpact is unlikely to have contributed the TRS exceedances on the evening of 22 Jan 2021.
32	Mpact - Yolandi Schoeman responded, (25/01/2022 10:23): South Westerly winds were blowing in the early morning hours of 23 Jan 2022. Reports indicate that the paper machine had no abnormal occurrences or ESKOM power dips that could of affected the processes. Effluent plant did not undertake pond or clarifier cleaning activities at that time. Boiler house stacks were stable and no abnormal activities or opacities were recorded in reports. Mpact is unlikely to have contributed the TRS exceedance at the Felixton Station on 23 Jan 2021. Mpact - Yolandi Schoeman responded, (17/02/2022 10:28): On 23 Jan 2022, a Northerly wind was detected at eSikhaleni station. Reports show that there were no abnormal conditions on the paper machine or ESKOM power dips that could of upset the processes. Boiler house reports indicate no upset conditions. The Effluent Treatment plant did not conduct any pond/clarifier cleaning activities that evening. Mpact Felixton Mill could not have contributed to the OME exceedance experienced at the eSikhaleni station.

Response	Industry Feedback
33	Mpact - Yolandi Schoeman responded, (25/01/2022 10:23): A Northerly wind was blowing at 04h00 on Monday, 24 Jan 2022. Reports indicate that the paper machine had no abnormal occurrences or ESKOM power dips that could of affected the processes. Effluent plant did not undertake pond or clarifier cleaning activities at the time of the exceedance. Boiler house stack opacities were stable and no abnormal activities or opacities were recorded in reports. Mpact is unlikely to have contributed the TRS exceedances on 24 Jan 2021.
34	Mpact - Maggie Odayar responded, (26/01/2022 14:05): TRS exceedances were experience on the evening of the 25th of January 2022 from 19h00 to 20h00. Internal reports indicate that there were no abnormal operations at the Paper Machine or the Steam Generation Plant. The Effluent plant did not undertake any cleaning activities on the day. Mpact is unlikely to have contributed to the TRS exceedances. Wind direction was prevalently easterly during the time of the exceedances.
35	Mpact - Yolandi Schoeman responded, (27/01/2022 16:19): Reports show that the paper machine ran well with no upset conditions or ESKOM power dips that could of upset the processes, including the boiler house operations. Boiler house stack opacities were clear and well within the limits. There were no effluent pond/clarifier cleaning activities conducted yesterday. Mpact could not have contributed to the TRS exceedance experienced on 26 Jan 2022.
36	Mpact - Yolandi Schoeman responded, (01/02/2022 13:59): A northerly wind was blowing on 31 Jan 2021. Reports show that there were no abnormal conditions on the paper machine or ESKOM power dips that could of upset the processes. Boiler house reports indicate no upset conditions. The Effluent Treatment plant did not conduct any pond/clarifier cleaning activities at the time of the exceedances. Mpact Felixton Mill could not have contributed to the TRS exceedance experienced at the Felixton station on 31 Jan 2022.
37	Tongaat Hulett - Nicolas Govender responded (03/02/2022 09:10, 09:12): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
38	Tongaat Hulett - Nicolas Govender responded (03/02/2022 09:13): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
39	Tongaat Hulett - Nicolas Govender responded (03/02/2022 09:14): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
40	Tongaat Hulett - Nicolas Govender responded (03/02/2022 09:16, 09:17): Feedback for Felixton station. We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
41	Mondi - Candice Webb responded, (09 /02/2022 09:06): Based on Wind direction and Mondi start up conditions at the time of the exceedances it is possible that Mondi contributed to the emissions.
42	Mondi - Candice Webb responded, (09 /02/2022 09:07): Based on Wind Direction and start up conditions of the mill at the time of the exceedances. Mondi is the most likely source.
43	Mondi - Candice Webb responded, (09/02/2022 09:08): Based on wind direction and start up conditions at the time of the exceedances it is most likely that fugitive emissions contributed to the exceedance.
44	Mpact - Yolandi Schoeman responded, (11 /02/2022 11:27): An Northerly wind was blowing 10 Feb the morning and a South Easterly the evening. Reports indicate that there were no abnormal conditions on the paper machine the morning prior or during the TRS exceedance. Similarly, the evening there were no abnormal conditions recorded that could of upset the processes. The Effluent Plant did not conduct any pond/clarifier cleaning activities the whole of yesterday that could of contributed to the exceedance.

Response	Industry Feedback
	Boiler house also did not report any abnormal emissions/conditions that could of affected ambient air quality. Mpact Felixton could not have contributed to the TRS exceedances of the WHO and OME guideline on 10 Feb 2022.
45	Mpact - Yolandi Schoeman responded, (14 /02/2022 15:59): A North Easterly wind was detected at 02h00 and 06h00 the morning of 12 Feb 2021. The paper machine ran well with no abnormal incidents that could of upset the processes and there were no Eskom Power dips. The Effluent treatment plant(ETP) did not conduct any pond/clarifier cleaning activities during the night that could of generated odours. Boiler house reports also indicate no abnormal conditions that could of impacted ambient air quality. Mpact Felixton Mill did not contribute to the TRS exceedance of the WHO or OME guidelines on 12 February 2021.
46	Tongaat Hulett - Nicolas Govender responded (15/02/2022 09:30, 09:31): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal during this time. We are currently investigating the TRS exceedances through an external service provider to possibly identify a source of TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
47	Tongaat Hulett - Nicolas Govender responded (15/02/2022 09:31 and 09:32): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal during this time. We are currently investigating the TRS exceedances through an external service provider to possibly identify a source of TRS.
48	Mpact - Yolandi Schoeman responded, (24/02/2022 13:00): A northerly wind was detected at 06h30 on 23 Feb 2022. Mpact Effluent plant did not conduct any clarifier/pond cleaning activities on 23 Feb 2022. Boiler house stacks were clear that time of the morning and there were no abnormal conditions that could of affected the ambient air quality. A fire was observed at ±12h00 on the southern side of Mpact operations, but it is uncertain if that fire started the morning and could of impacted the Felixton monitoring station. Mpact Felixton could not have contributed to the TRS exceedance experienced at the Felixton monitoring station on 23 Feb 2022.
49	Tongaat Hulett - Nicolas Govender responded (24/02/2022 15:16): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal. We are currently investigating the TRS exceedances through an external service provider.
50	Mpact - Maggie Odayar responded, (11/03/2022 04:17PM): TRS exceedances were experience between 00h30 to 3h00 on the 10th of March. § Mpact Felixton had no upset process conditions during the time above. § The Effluent plant did not conduct any clarifier/pond cleaning activities during this time § The wind directions recorded during the time of the exceedances are displayed below. South easterly's are required for Mpact to contribute.
51	Tongaat Hulett - Nicolas Govender responded (16/03/2022 08:36, 08:37, 8:38): Feedback for Felixton station. We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal.
52	Tongaat Hulett - Nicolas Govender responded (16/03/2022 08:39, 08:40): We are currently on a maintenance shut. We do conduct general cleaning in the plant that cannot contribute to TRS. All effluent plant operations were normal.
53	Mpact - Yolandi Schoeman responded, (16/03/2022 15:58): A North Easterly wind was detected on 12 Mar 2022 from 04h00 to 07h30. Mpact Effluent plant did not conduct any clarifier/pond cleaning at that time of the morning. Boiler house reports indicate that there were no abnormal conditions that could of affected the ambient air quality. Mpact Felixton could not have contributed to the TRS exceedances of the WHO and OME guidelines experienced at the Felixton monitoring station on 12 March 2022.
54	Mpact - Yolandi Schoeman responded, (16/03/2022 16:19): A South Westerly wind was detected in the early hours of the morning of 5 March 2022. Reports indicate that the paper machine ran well and there were no abnormal activities or power dips that could of upset processes. Mpact Effluent plant did not conduct any

Response	Industry Feedback
	clarifier/pond cleaning activities between 03h00 and 04h00 that morning. Boiler house reports indicate that there were no abnormal conditions that could of affected the ambient air quality. Mpact Felixton could not have contributed to the TRS exceedance experienced at the Felixton monitoring station on 5 Mar 2022.
55	Mpact - Yolandi Schoeman responded, (17/03/2022 10:44): A Northerly wind was detected at the time of the exceedance. Mpact Effluent Plant did not conduct any clarifier/pond cleaning activities on 8 March 2022. Boiler house stacks were clear that time of the morning and there were no abnormal conditions at the boiler house that could of affected the ambient air quality. Mpact Felixton could not have contributed to the TRS exceedance experienced at the Felixton monitoring station on 8 March 2022.
56	Mpact - Yolandi Schoeman responded, (17/03/2022 12:54): An Easterly wind was detected on 24 Feb 2022 at 07h30. Reports indicate the paper machine ran well and there were no upset conditions. The effluent plant did not conduct pond/clarifier cleaning activities at that time of the morning. Boiler house reports indicate no abnormal conditions that could of affected the ambient air quality. Mpact Felixton could not have contribute to the TRS exceedance experienced at the Felixton Station on 24 Feb 2022.
57	Mondi - Candice Webb responded, (23/03/2022 08:00):Mondi has investigated and identified the Secondary Effluent Treatment Plant as the root cause of the exceedance. The Odour Abatement Task team is working on identifying solutions to odour ahead of the winter months.
58	Mondi - Candice Webb responded, (23/03/2022 08:01): Based on wind direction it is unlikely that Mondi is the source of the TRS.
59	Mondi - Candice Webb responded, (23/03/2022 07:58): Mondi has investigated and identified the Secondary Effluent Treatment Plant (SETP) as the source of the exceedance. The SETP was stopped and ambient TRS decreased. The Odour Abatement Task team is working on addressing odour from the effluent plant ahead of the winter months.
60	Mpact - Yolandi Schoeman responded, (24/03/2022 08:00): Reports show there were no upset conditions at the Paper machine; Effluent Treatment Plant or Boiler house that could of affected the ambient air quality. There were no cleaning activities at the Effluent ponds/clarifier that could of adversely affected the air quality. A North Easterly wind was blowing during the time of the TRS and OME exceedances on 22 March 2022. South Easterly winds are required for Mpact operations to contribute to an exceedance at the Felixton RBCAA station. Mpact Felixton Mill could not have contributed to the WHO and OME exceedance on 22 March 2022.
61	Mpact - Yolandi Schoeman responded, (29/03/2022 10:08): A north easterly wind was detected at the time of the TRS exceedances. Reports indicate that their were no abnormal occurrences at the Paper machine, Effluent plant and Boiler house. There were no pond/clarifier cleaning activities at the Effluent Plant at that time of the morning. Mpact Felixton could not have contributed the WHO and OME TRS exceedances experienced at the Felixton monitoring station .
62	Mpact - Yolandi Schoeman responded, (24/03/2022 16:12): On the morning of 23 March 2022 there were no abnormal conditions at the effluent plant ; paper machine or boiler house. There were no pond/clarifier cleaning activities conducted prior or during the period of the TRS exceedances. A north easterly wind was detected during the exceedance. Mpact could not have contributed to the WHO and OME exceedances experienced at the Felixton monitoring station.
63	Tongaat Hulett - Nicolas Govender responded (08/04/2022 09:12, 09:14, 09:15): I have sent out notifications regarding commissioning at Felixton Mill during this time. Felixton mill has not been operational since December 2021, effluent plant operations were normal and during commissioning phase we have raised steam but no sugar production takes place. Therefore TH Felixton could not have contributed to this TRS exceedance.
64	Tongaat Hulett - Nicolas Govender responded (08/04/2022 09:23, 09:25): I have sent out notifications regarding commissioning at Felixton Mill during this time. Effluent plant operations were normal and during this we have had our boilers on bank in readiness for start p on the 31st and was not operational. Therefore TH Felixton could not have contributed to this TRS exceedance.

Response	Industry Feedback
65	Mpact - Yolandi Schoeman responded, (12/04/2022 13:14): A South Westerly wind was detected in the Felixton vicinity on the morning of 7 April 2022. Reports indicate that the paper machine, Effluent Plant and Boiler house had no abnormal incidents that could of affected the ambient air quality. The Effluent plant did not undertake any pond/clarifier cleaning activities that morning. Mpact Felixton mill could not have contributed to the TRS exceedance of the WHO standard that occurred at the Felixton Station on 7 April 2022.
66	Mpact - Yolandi Schoeman responded, (12/04/2022 13:15): On Friday 8 April, a South Westerly wind was detected in the Felixton vicinity at ±18h00. Reports indicate that the paper machine, Effluent Plant and Boiler house had no abnormal incidents that could of affected the ambient air quality. The Effluent plant did not undertake any pond/clarifier cleaning activities that evening. Mpact Felixton mill could not have contributed to the TRS exceedances of the WHO and OME standards that occurred at the Felixton Station on 8 April 2022.
67	Mpact - Yolandi Schoeman responded, (12/04/2022 13:16): On Saturday 9 April, a South Westerly wind was detected in the Felixton vicinity during the early hours of the morning. Reports indicate that the paper machine, Effluent Plant and Boiler house had no abnormal incidents that could of affected the ambient air quality. The Effluent plant did also not undertake any pond/clarifier cleaning activities during the night. Mpact Felixton mill could not have contributed to the TRS exceedances of the WHO and OME standards that occurred at the Felixton Station on 9 April 2022.
68	Mpact - Yolandi Schoeman responded, (12/04/2022 13:16): On Sunday 10 April, a South Westerly wind was detected in the Felixton vicinity at ±12h00. Reports indicate that the paper machine, Effluent Plant and Boiler house had no abnormal incidents that could of affected the ambient air quality. The Effluent plant did also not undertake any pond/clarifier cleaning activities that could of impacted the air quality. Mpact Felixton mill could not have contributed to the TRS exceedances of the WHO and OME standards that occurred at the Felixton Station on 10 April 2022. South Easterly winds are required for Mpact to contribute to exceedances at the Felixton monitoring station.
69	Mpact - Yolandi Schoeman responded, (20/04/2022 09:50): Night shift reports indicate that the Paper machine, Boiler house and Effluent Treatment Plant ran well from 12am till 6am, there were no ESKOM power dips or abnormal conditions. Effluent Plant cleaning activities are not conducted at night . The wind direction was predominately from the Northly direction. Mpact could not have impacted the air quality at the Felixton or eSikheleni stations to exceed the WHO and OME guidelines TRS exceedances on the morning of 15 April 2022.
70	Mpact - Yolandi Schoeman responded, (26/04/2022 16:06): Night shift reports indicate that the Paper machine, Boiler house and Effluent Treatment Plant ran well, there were no ESKOM power dips or abnormal conditions. Effluent Plant cleaning activities were not conducted at the time of the exceedances. The wind direction was predominately from the Northly and South Westerly directions. Mpact could not have impacted the air quality at the Felixton station to exceed the OME and WHO guidelines for TRS on 24 April 2022.
71	Mpact - Yolandi Schoeman responded, (26/04/2022 16:19): Shift reports from the Paper machine, Boiler house and Effluent Treatment Plant were examined to see if any ESKOM power dips or abnormal conditions occurred, the reports indicate that there were none, prior or during the time of the exceedance. The wind direction was from a South Westerly direction. Mpact could not have impacted the air quality at the Felixton station to exceed the WHO guideline for TRS on Saturday morning of 23 April 2022.
72	Mpact - Yolandi Schoeman responded, (20/04/2022 09:26): On Tuesday 26 April, Mpact Felixton Mill had a shut, the whole plant was offline for maintenance. The Effluent Treatment Plant did not conduct any pond or clarifier cleaning activities as the clarifier was drained previously. Boiler start-up at was under control and no abnormal conditions/exceedances were reported that could of affected the ambient TRS. Mpact Felixton could not have contributed to the TRS exceedance of the WHO guideline reported at the Felixton RBCAA station .
73	Mpact - Yolandi Schoeman responded, (20/04/2022 10:33): The wind direction was predominately from the Northly direction. The Paper machine shut at 07h20 due to low pulp stock levels and started up at 11h30 again, this did not impact the Boiler house and Effluent Treatment Plant to result in abnormal conditions that would of affected the ambient air quality. Effluent Plant cleaning activities were not conducted prior or during the exceedance. Mpact could not have impacted the air quality at the Felixton station to exceed the OME and WHO guidelines for TRS on Thursday 28 April 2022.

Response	Industry Feedback
74	Mpact - Yolandi Schoeman responded, (04/05/2022 12:13): On Saturday 30 April 2022 a South Westerly was blowing from 11pm to 17:30pm. The paper machine was shut form 11pm to 16h30 for a maintenance shut to address issues at the RCF Pulping Plant. This shut did not result in abnormal conditions at the Effluent Plant or Boiler house plant. The shift reports indicates that no cleaning activities were conducted at the Effluent Plant and no abnormal emissions was emitted at the boiler house that could of affected the ambient air quality. Mpact could not have impacted the ambient TRS air quality at the RBCAA Felixton station to exceed the WHO or OME guidelines on 30 Apr 2022.
75	Mpact - Yolandi Schoeman responded, (04/05/2022 12:24): On 1 May, the paper machine ran well with no stops resulting in abnormal conditions. Shift reports indicate that the Effluent Plant and Boiler house ran well with no abnormal or cleaning activities that could of impacted the air quality. Mpact Felixton Mill did not contribute to the TRS exceedance experienced at the Felixton RBCAA station on 1 May 2022.
76	Mpact - Yolandi Schoeman responded, (04/05/2022 12:49): A south westerly wind was blowing on Monday 2 May 2022. There were no abnormal conditions reported at the Paper machine, Effluent Plant or Boiler house that could of impacted the ambient air quality. Mpact Felixton Mill did not contribute to the TRS exceedance of the OME guideline on 2 May 2022.
77	Mpact - Yolandi Schoeman responded, (04/05/2022 13:18): A Northerly wind was blowing on 3 May 2022. There were no abnormal conditions reported at the Paper machine. Effluent Plant did not conduct cleaning activities and the Boiler house operations did not impact the ambient air quality. Mpact Felixton Mill did not contribute to the TRS exceedance of the WHO guideline on 3 May 2022.
78	Mpact - Yolandi Schoeman responded, (11/05/2022 08:38): Shift reports from the Paper machine, Boiler house and Effluent Treatment Plant were examined to see if any ESKOM power dips or abnormal conditions occurred. The wind direction was from a Northerly Easterly direction. The Effluent Treatment Plant did not conduct any pond or clarifier cleaning activities. Boiler house had no abnormal incidents that could of affected the ambient air quality. Mpact could not have impacted the air quality at the Felixton station to exceed the WHO and OME guideline for TRS on Saturday 7 May 2022.
79	Mpact - Yolandi Schoeman responded, (11/05/2022 08:38): Shift reports from the Paper machine, Boiler house and Effluent Treatment Plant were examined to see if any ESKOM power dips or abnormal conditions occurred, the reports indicate that there were none, prior or during the time of the exceedance. The wind direction was from a Northerly direction. Mpact could not have impacted the air quality at the Felixton station to exceed the WHO and OME guideline for TRS on Thursday of 5 May 2022.
80	South 32- Dan Mkhwanazi responded (17/05/2022 16:23 and 16:25): Based on wind direction, Hillside could not have contributed to the H2S Exceedances recorded at the Felixton Station.
81	South 32- Dan Mkhwanazi responded (17/05/2022 16:27): Based on wind direction, Hillside could not have contributed to the H2S Exceedances recorded at the Felixton Station.
82	Mpact - Yolandi Schoeman responded, (20/05/2022 13:22): A northerly wind was blowing at the time of the exceedance on 10 May 2022. Mpact Effluent treatment plant did not conduct any cleaning activities at that time of the evening. Mpact Felixton Mill could not have contributed the TRS exceedance on 10 May 2022 at the Felixton station.
83	Mpact - Yolandi Schoeman responded, (20/05/2022 13:25): Northerly and South Westerly winds were blowing at the time of the exceedances on 14 May 2022. Mpact Effluent treatment plant did not conduct any cleaning activities on Saturday. Mpact Felixton Mill could not have contributed the TRS exceedance on 14 May 2022 at the Felixton station.
84	Mpact - Yolandi Schoeman responded, (20/05/2022 13:30): Southerly winds were detected at the time of the exceedance on 15 May 2022. Reports indicate the paper machine ran well with no abnormal or EKSOM power dips prior or during the exceedances. Night shift reports from the Effluent Plant and Boiler house also indicate no abnormal incidences that could of impacted the ambient air quality. Mpact Effluent treatment plant did not conduct any cleaning activities at that time of the evening. Mpact Felixton Mill could not have contributed the TRS exceedance on 15 May 2022 at the Felixton station.

Response	Industry Feedback
85	Mpact - Yolandi Schoeman responded, (20/05/2022 14:24): Paper machine: Ran well and no upset conditions were reported that could of affected other processes. Effluent Plant: Reports show no abnormal activities, no pond or clarifier cleaning activities occurred during the night. Boiler house: Ran well with no abnormal activities reported. Risk Control: Security patrol did not report any abnormal off site activities (like fires) that could of impacted the Felixton community. A light North Easterly and Easterly wind was detected during the time of the exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 17 May 2022.05.20
86	Mpact - Yolandi Schoeman responded, (24/05/2022 12:01): Paper machine: Ran well and no upset conditions or ESKOM power dips were reported that could of affected other processes. Effluent Plant: Reports show no abnormal activities, no pond or clarifier cleaning activities occurred during the night. Clarifier cleaning was conducted during the day. Boiler house: Ran well with no abnormal activities reported. A light South Westerly wind was detected during the time of the exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 21 May 2022.05.24
87	Mpact - Yolandi Schoeman responded, (24/05/2022 12:01): Paper machine: The paper machine was offline the morning for maintenance and started up without affecting other processes. Effluent Plant: Reports show no abnormal conditions, no pond or clarifier cleaning activities occurred . Boiler house: Ran well with no abnormal activities reported. A South Westerly wind was detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 20 May 2022.
88	Tongaat Hulett - Nicolas Govender responded (24/05/ 2022 14:37, 14:39, 14:42): We had started up on the 31 March 2022 with half capacity. No operational issues was raised. Effluent plant was also under no high loading and no abnormal conditions was noted. We are busy with the second part of the TRS exceedances investigations and hopefully will identify a source.
89	Tongaat Hulett - Nicolas Govender responded (24/05/ 2022 14:43): Feedback for Felixton and eSikhaleni. We had started up on the 31 March 2022 with half capacity. No operational issues was raised. Effluent plant was also under no high loading and no abnormal conditions was noted. We are busy with the second part of the TRS exceedances investigations and hopefully will identify a source.
90	Tongaat Hulett - Nicolas Govender responded (24/05/ 2022 15:47, 15:48, 15:49): We started up the 2nd phase on the 25th April 2022 and operated at >80% capacity. No operational issues was raised apart from commissioning challenges. This could not contribute towards and TRS. Effluent plant was also under no pressure and no abnormal conditions was noted. We are busy with the second part of the TRS exceedances investigations and hopefully will identify a source.
91	Mpact - Yolandi Schoeman responded, (30/05/2022 16:11): On Thursday, 26 March 2022, a predominately South Westerly wind was detected during the exceedances. The paper machine shut from 8-10am for maintenance, the other processes were not negatively affected by the short shut. The Effluent treatment plant(ETP) has been conducting cleaning activities every day last week from 23-26 May 2022, resulting in a localised odour at the Effluent Plant. The RBCAA monitoring station data was closely monitored to see if any odours migrated to the village and if it's detected at the station. TRS exceedances registered at the RBCAA Felixton station for the week of 23-26 May were not within the daily cleaning hours, and the wind direction were not favourable from Mpact activities; - 19h10 , 24 May, Tuesday –OME TRS exceedance , Northly 61° wind - 07h00, 25 May, Wednesday – WHO TRS exceedance, Northerly 65° wind No complaints were received from the closest receptors, i.e. Hostel Residents, or from the N2 Highway during this period. [See map, Mpact boundaries are highlighted in Red.] On Thursday 26 March 2022, the Rotofloc clarifier was cleaned at the ETP from ±13h00 to 15h00. The exceedances below started from 7am the morning therefore the source could not of been from Mpact Felixton Effluent Plant cleaning activities. A South Easterly wind direction is required for Mpact to influence the Felixton RBCAA station.
92	Mpact - Yolandi Schoeman responded, (30/05/2022 16:14): The paper machine ran well and there were no abnormal conditions that could of upset the processes. The Mpact effluent treatment plant also did not conduct any cleaning activities prior or during the TRS exceedance. Mpact Felixton Mill could not have contributed to the TRS exceedance experienced on 27 May 2022 at the Felixton monitoring station.

Response	Industry Feedback
93	Mpact - Yolandi Schoeman responded, (30/05/2022 16:16): On the morning of 29 May 2022, the Mpact paper machine ran well and there were no upset conditions that could of affected other processes. It was a Sunday and therefore there were no cleaning activities occurring at the Effluent Treatment Plant (ETP) that could of resulted in an odour. No upset conditions were reported at the plant. At ±07h45 Sunday morning, Mpact was requested to investigate if they were the source of an odour detected in the village. The ETP and boiler house operators confirmed there were no odours at the respective plants. A physical drive through the village further confirmed that the odour could not of emanated from Mpact activities. Based on the investigation, Mpact could not have impacted the air quality at the Felixton monitoring station for the TRS exceedances or contributed to the odour detected on the morning of 29 May 2022 in Felixton village.
94	Mondi - Candice Webb responded, (31/05/2022 09:28): Mondi investigated and identified Blow tank 3 was venting to atmosphere due to a faulty seal. Mill production was reduced so the seal could be repaired on the same shift.
95	Mondi - Candice Webb responded, (31/05/2022 09:28): Mondi investigated at the time and identified Secondary Effluent Treatment Plant (SETP) as the possible source based on ambient TRS recorded at the Alton Station prior to the exceedance, Mondi switched off the SETP and ambient odour decreased.
96	Mondi - Candice Webb responded, (31/05/2022 09:28): Mondi investigated and identified Secondary Effluent Treatment Plant (SETP) as the possible source. No action was taken at the time due to uncertainty. Operators asked to undertake checklists.
97	Mondi - Candice Webb responded, (31/05/2022 09:28): Mondi investigated and identified fugitive emissions as possible source, SETP was off and all point source emissions within spec.
98	Mondi - Candice Webb responded, (31/05/2022 09:28): Mondi investigated and identified SETP as the possible source.
99	Mondi - Candice Webb responded, (31/05/2022 10:57): Based on Wind Direction it is unlikely that Mondi was a contributing source.
100	Mpact - Yolandi Schoeman responded, (31/05/2022 16:06): The paper machine ran well on Monday, 30 May 2022 with no abnormal occurrences that could of affected other processes. A South Westerly wind was blowing during the time of the exceedances. The Effluent Treatment Plant conducted no cleaning activities on Monday, 30 May 2022, that could of emanated odours. Boiler house reports also show no abnormal activities. Mpact could not have contributed to the TRS exceedances experienced at the Felixton Monitoring station on 30 May 2022.
101	Mondi - Candice Webb responded, (01/06/2022 10:22): Mondi identified the Secondary Effluent Treatment Plant (SETP) as the source of the TRS exceedance. The SETP was switched off and TRS at the CBD station reduced. Mondi is currently working on reducing temperature of effluent in order to reduce impact of TRS on the community.
102	Mondi - Candice Webb responded, (01/06/2022 10:22): Mondi has investigated, based on stable mill operating conditions, low wind speed, and low ambient TRS recorded at both eSikhaleni and UVS monitoring stations prior to the TRS exceedances at Felixton station, it is unlikely that Mondi is the source.
103	Mondi - Candice Webb responded, (06/06/2022 15:59): Mondi has investigated, based on stable operating conditions, low wind speeds and low ambient TRS recorded at both UVS and eSikhaleni it is unlikely that Mondi is the source.
104	Mondi - Candice Webb responded, (06/06/2022 15:59): Based on wind direction it is unlikely that Mondi was the source.
105	Mondi - Candice Webb responded, (06/06/2022 15:59): Based on wind direction it is unlikely that Mondi was the source.
106	Mpact - Yolandi Schoeman responded, (06/06/2022 16:04): The paper machine ran well and there were no abnormal conditions that could of upset the processes on Sunday 5 June 2022. The Mpact effluent treatment plant did not conduct any cleaning activities over the weekend that could of resulted in odours. Boiler house reports indicate no abnormal activities that could of impacted the ambient air quality. Mpact Felixton Mill could not have contributed to the TRS exceedance experienced on 5 June 2022 at the Felixton monitoring station.
107	Mpact - Yolandi Schoeman responded, (06/06/2022 16:03): The paper machine ran well and there were no abnormal conditions that could of upset the processes on Friday morning. The Mpact effluent treatment plant did not conduct any cleaning at that time of the morning that could of resulted in odours. Mpact Felixton Mill could not

Response	Industry Feedback
	have contributed to the TRS exceedance experienced on 3 June 2022 at the Felixton monitoring station.
108	Mpact - Yolandi Schoeman responded, (06/06/2022 16:07): The paper machine ran well and there were no abnormal conditions that could of upset the processes 2 June 2022. The Mpact effluent treatment plant did not conduct any cleaning activities that Thursday evening. Mpact Felixton Mill could not have contributed to the TRS exceedance experienced on 2 June 2022 at the Felixton monitoring station.
109	Mondi - Candice Webb responded, (08/06/2022 08:30): Mondi has investigated, based on low wind speeds, low ambient TRS at both eSikhaleni and UVS monitoring stations and stable mill operating conditions. It is unlikely that Mondi is the source.
110	Mondi - Candice Webb responded, (08/06/2022 08:30): Mondi has investigated, based on low wind speeds, low ambient TRS at both eSikhaleni and UVS monitoring stations and stable mill operating conditions. It is unlikely that Mondi is the source.
111	Mondi - Candice Webb responded, (08/06/2022 08:33): Mondi has investigated, the Mondi Secondary Effluent Plant is the most likely contributor to the exceedances recorded at eSikhaleni station. Mondi is continuing to work towards reducing sulphur load and temperature of Mondi effluent in order to reduce the odour. However, based on wind direction, low wind speeds, low ambient TRS at both eSikhaleni and UVS monitoring stations. It is unlikely that Mondi is the source of the TRS recorded at Felixton.
112	Mondi - Candice Webb responded, (08/06/2022 08:34): Based on wind direction it is unlikely that Mondi is the source of the TRS.
113	Mpact - Yolandi Schoeman responded, (09/06/2022 15:08): Paper machine: On Tuesday, 7 June 2022, the machine ran well with no abnormal occurrences or ESKOM power dips that could of upset the processes. Effluent Plant: The Plant Foreman confirmed that there were no sludge cleaning activities of the clarifiers/ponds that could of generated odours. Shift reports show no other abnormal activities. Boiler house: Boiler house reports indicate there were no abnormal activities that could of impacted the ambient air quality. Meteorology: Very low winds speeds were detected on the morning and afternoon of Tuesday, with a gentle South Westerly detected around 12h30. Based on the investigation, Mpact Felixton Mill activities did not contribute to the TRS exceedances experienced at the Felixton monitoring station on 7 June 2022.
114	Mpact - Yolandi Schoeman responded, (14/06/2022 14:23): The papermachine ran smoothly, with no upset conditions that could of affected other processes. Reports indicate the Effluent treatment plant did not conduct any cleaning activities that could emit odours. Wind speeds were very low during the morning and night when the exceedances occurred. Mpact is unlikely to be the source of the TRS exceedances experienced on 10 June 2022.
115	Mpact - Yolandi Schoeman responded, (14/06/2022 16:02): On Saturday morning there were no upset conditions at the Papermachine or Effluent Plant. Reports show there were no cleaning activities conducted over the weekend at the effluent plant that could of generated odours. Mpact is unlikely to be the source of the TRS exceedances experienced at the Felixton station.
116	Mpact - Yolandi Schoeman responded, (14/06/2022 16:12): Monday , 13 June, there were no upset conditions at the Papermachine or Effluent Plant. There were no cleaning activities conducted at that time of the night at the effluent plant that could of generated odours. Mpact is unlikely to be the source of the TRS exceedances experienced at the Felixton station.
117	Tongaat Hulett - Nicolas Govender responded (17/06/ 2022 09:46): Effluent and factory was running normal with no major upset conditions. We were busy with a desludging project on one of our dams but this was done whilst the dam was online and in use. There isn't any evidence to indicate that this would cause the TRS exceedances. The current investigations related to the source of the TRS is being concluded by the service provider. Therefore it is unlikely that THS contributed to the exceedances at this point.
118	Tongaat Hulett - Nicolas Govender responded (17/06/ 2022 09:48): Effluent and factory was running normal with no major upset conditions. We were busy with a desludging project on one of our dams but this was done whilst the dam was online and in use. There isn't any evidence to indicate that this would cause the TRS exceedances.

Response	Industry Feedback
	The current investigations related to the source of the TRS is being concluded by the service provider. Therefore it is unlikely that THS contributed to the exceedances at this point.
119	Tongaat Hulett - Nicolas Govender responded (17/06/ 2022 09:49): Effluent and factory was running normal with no major upset conditions. We were busy with a desludging project on one of our dams but this was done whilst the dam was online and in use. There isn't any evidence to indicate that this would cause the TRS exceedances. The current investigations related to the source of the TRS is being concluded by the service provider. Therefore it is unlikely that THS contributed to the exceedances at this point.
120	Tongaat Hulett - Nicolas Govender responded (17/06/ 2022 09:52): Effluent and factory was running normal with no major upset conditions. We were busy with a desludging project on one of our dams but this was done whilst the dam was online and in use. There isn't any evidence to indicate that this would cause the TRS exceedances. The current investigations related to the source of the TRS is being concluded by the service provider. Therefore it is unlikely that THS contributed to the exceedances at this point.
121	Tongaat Hulett - Nicolas Govender responded (17/06/ 2022 09:54, 09:59, 10:00, 10:01, 10:02, 10:04, 10:05, 10:08, 10:09, 10:15): Effluent and factory was running normal with no major upset conditions. We were busy with a desludging project on one of our dams but this was done whilst the dam was online and in use. There isn't any evidence to indicate that this would cause the TRS exceedances. The current investigations related to the source of the TRS is being concluded by the service provider. Therefore it is unlikely that THS contributed to the exceedances at this point.
122	Mpact - Yolandi Schoeman responded, (23/06/2022 09:49): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: Reports show no abnormal conditions, no pond or clarifier cleaning activities occurred during the night . Boilerhouse: Ran well with no abnormal activities reported. Low speed norhtly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 31 May 2022.
123	Mpact - Yolandi Schoeman responded, (23/06/2022 09:50): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: Reports show no abnormal conditions, no pond or clarifier cleaning activities that morning . Boilerhouse: Ran well with no abnormal activities reported. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 25 May 2022.
124	Mpact - Yolandi Schoeman responded, (23/06/2022 13:33): The papermachine ran smoothly, with no upset conditions that could of affected other processes. Reports indicate the Effluent treatment plant did not conduct any cleaning activities on Saturday that could emit odours. Wind speeds were very low during the morning and night when the exceedances occurred. Mpact is unlikely to be the source of the TRS exceedances experienced on 18 June 2022.
125	Mpact - Yolandi Schoeman responded, (23/06/2022 13:32): The papermachine shut from 11h24 till 14h00 for maintenance, this did not cause any adverse conditions on the other processes. Reports indicate the Effluent treatment plant did not conduct any cleaning activities that could emit odours. Winds were from the North and speeds were very low during the morning and night when the exceedances occurred. Mpact is unlikely to be the source of the TRS exceedances experienced on 17 June 2022.
126	Mpact - Yolandi Schoeman responded, (23/06/2022 13:32): South Westerly winds were blowing that afternoon when the exceedances occurred. The papermachine ran smoothly on Sunday 19 June , with no upset conditions that could of affected other processes. Reports indicate the Effluent treatment plant did not conduct any cleaning activities that could emit odours. Mpact is unlikely to be the source of the TRS exceedances experienced on 19 June 2022.
127	Tongaat Hulett - Nicolas Govender responded (23/06/ 2022 16:07): Effluent and factory was running normal with no major upset conditions. We were busy with a desludging project on one of our dams but this was done whilst the dam was online and in use. There isn't any evidence to indicate that this would cause the TRS exceedances.

Response	Industry Feedback
	The current investigations related to the source of the TRS is being concluded by the service provider. Therefore it is unlikely that THS contributed to the exceedances at this point.
128	Mpact - Yolandi Schoeman responded, (24/06/2022 11:37): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: Reports show Mhalthuze Water conducted maintenance on the pipeline and the treated effluent was diverted to the ponds; no pond or clarifier cleaning activities occurred during the night and morning . Boilerhouse: Ran well with no abnormal activities reported. Low speed northly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 22 June 2022.
129	Mpact - Yolandi Schoeman responded, (24/06/2022 11:37): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: Reports show Mhalthuze Water conducted maintenance on the pipeline and the treated effluent was diverted to the ponds, no pond or clarifier cleaning activities occurred during the night . Boilerhouse: Ran well with no abnormal activities reported. Very low speed northly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 21 June 2022.
130	Mpact - Yolandi Schoeman responded, (24/06/2022 11:37): Papermachine: Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: Night shift reports indicate no pond or clarifier cleaning activities occurred during the night . Boilerhouse: Ran well with no abnormal activities reported. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 23 June 2022.
131	Mondi - Candice Webb responded, (24/06/2022 13:41): Mondi has investigated and identified instability of the Flare during start up conditions of the mill. Mondi aims to have the flare replaced by end of 2022 as part of the odour abatement project.
132	Mondi - Candice Webb responded, (24/06/2022 13:42): Mondi has investigated and based on wind direction and unstable operating conditions Mondi may have contributed to the exceedance.
133	Mondi - Candice Webb responded, (24/06/2022 13:43): Mondi has investigated. Based on unstable operating conditions Mondi may have contributed to the TRS.
134	Mondi - Candice Webb responded, (24/06/2022 13:43): Based on wind direction it is unlikely that Mondi contributed to the TRS.
135	Mondi - Candice Webb responded, (24/06/2022 13:45): Mondi has investigated. Based on stable operating conditions, low wind speeds and low ambient TRS at both the eSikhaleni and UVS stations prior to the exceedances recorded below it is unlikely that Mondi contributed to the TRS.
136	Mondi - Candice Webb responded, (24/06/2022 13:45): Mondi has investigated and identified the Secondary Effluent Treatment Plant as the source of the odour at eSikhaleni. However it is unlikely that Mondi contributed to the peaks at Feliton.
137	Mondi - Candice Webb responded, (24/06/2022 13:48): Mondi has investigated and has identified the Secondary Effluent Treatment Plant as the source of the TRS. Mondi's odour abetment teams is working on identifying long term solutions.
138	Mondi - Candice Webb responded, (24/06/2022 13:51): Mondi has investigated and identified the Secondary Effluent Treatment Plant as the source of the odour at eSikhaleni, however no source could be identified for Felixton exceedances. Based on wind speed and low ambient TRS at bother UVS and eSikhaleni stations prior to this exceedance it is unlikely that Mondi contributed.
139	Mondi - Candice Webb responded, (24/06/2022 13:52): Mondi has investigated and identified a NCG leak in the Fibreline as the source of the odour. The plant was stopped, and the leak repaired.
140	Mondi - Candice Webb responded, (24/06/2022 13:52):Mondi has investigated. Based on stable operating conditions, low wind speeds and low ambient TRS at both the eSikhaleni and UVS stations prior to the exceedances recorded below it is unlikely that Mondi contributed to the TRS.
141	Mondi - Candice Webb responded, (24/06/2022 13:54):Mondi has investigated. Based on stable operating conditions, low wind speeds and low ambient TRS at both the eSikhaleni and UVS stations prior to the exceedances recorded below it is unlikely that Mondi contributed to the TRS.

Response	Industry Feedback
142	Mpact - Yolandi Schoeman responded, (05/07/2022 16:10): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: No pond or clarifier cleaning activities occurred during the day and evening. Boilerhouse: Ran well with no abnormal activities reported. South westerly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 24 June 2022.
143	Mpact - Yolandi Schoeman responded, (05/07/2022 16:12): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes before or during the exceedances. Effluent Plant: No pond or clarifier cleaning activities occurred over the weekend. Boilerhouse: Ran well with no abnormal activities reported. Low speed south westerly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 26 June 2022.
144	Mpact - Yolandi Schoeman responded, (05/07/2022 16:16): Papermachine: The papermachine ran smoothly Tuesday evening, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: No pond or clarifier cleaning activities occurred during the evening. Boilerhouse: Ran well with no abnormal activities reported. Low speed North Easterly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 28 June 2022.
145	Mpact - Yolandi Schoeman responded, (05/07/2022 16:19): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: No pond or clarifier cleaning activities occurred on Thursday, 29 June 2022. Boilerhouse: Ran well with no abnormal activities reported. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 29 June 2022.
146	Mpact - Yolandi Schoeman responded, (06/07/2022 08:30): A low speed Northly wind was detected on Thursday, 30 June 2022. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds, therefore Mpact could not be the source of the TRS exceedance on 30 June 2022.
147	Mpact - Yolandi Schoeman responded, (06/07/2022 09:01): South Westerly winds were blowing at 12h30 when the exceedances occurred. The Paper machine ran well with no downtime or ESKOM powerdips that could of affected the processes. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds. The Boilerhouse reports also show the stack emissions were well below the limits with no unusual occurrences. Mpact could not be the source of the continuous TRS emissions detected that afternoon.
148	Mpact - Yolandi Schoeman responded, (06/07/2022 09:06): The Paper machine ran well with no downtime or ESKOM powerdips that could of affected the processes. Gentle North Easterly winds were blowing the morning on the exceedance. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds that afternoon. The Boilerhouse reports also show the stack emissions were well below the limits with no unusual occurrences. Mpact could not be the source of the continuous TRS emissions detected.
149	Mpact - Yolandi Schoeman responded, (06/07/2022 09:35): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: Reports show no pond or clarifier cleaning activities occurred that morning. Boilerhouse: Ran well with no abnormal activities reported. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 14 June 2022.
150	Mpact - Yolandi Schoeman responded, (06/07/2022 09:43): Papermachine: Reports indicate that the papermachine ran smoothly, with no ESKOM power dips or abnormal conditions that could of affected the other processes. Effluent Plant: No pond or clarifier cleaning activities occurred. Boilerhouse: Ran well with no abnormal activities reported. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 15 June 2022.
151	Mpact - Yolandi Schoeman responded, (12/07/2022 12:07): On Monday, 11 July, the papermachine ran well with no upset conditions that could of impacted other processes. Effluent plant operators confirmed that there were no pond or clarifier cleaning activities that occurring after 16h30 that could of impacted the ambient air

Response	Industry Feedback
	quality. Mpact Operations could not be the source of the TRS exceedance that occurred at 18h30 in the village on 11 July 2022.
152	Mpact - Yolandi Schoeman responded, (12/07/2022 12:31): On 5 July, the papermachine ran well with no downtime of Eskom power dips that could of impacted other processes. Effluent reports show that there were no pond or clarifier cleaning activities occurring the evening that could of impacted the ambient air quality. Mpact Operations could not be the source of the TRS exceedance that occurred in the village on 5 July 2022.
153	Mpact - Yolandi Schoeman responded, (12/07/2022 12:31): On Thursday, 7 July, the papermachine ran well with no upset conditions that could of impacted other processes. Effluent plant reports show that there were no pond or clarifier cleaning activities occurring at 03h00 or 22h00 the evening that could of impacted the ambient air quality. Mpact Operations could not be the source of the TRS exceedances that occurred in the village on 7 July 2022.
154	Mpact - Yolandi Schoeman responded, (12/07/2022 12:32): On Friday, the papermachine ran well with no upset conditions that could of impacted other processes. Effluent reports show that there were no pond or clarifier cleaning activities occurring in the morning that could of impacted the ambient air quality. Mpact Operations could not be the source of the TRS exceedance that occurred in the village on 8 July 2022.
155	Mpact - Yolandi Schoeman responded, (12/07/2022 12:44): On Saturday , 9 Jul 2022, the papermachine ran well during the day with no abnormal conditions that could off affected the Boilerhouse operations. Effluent plant operators confirmed that there were no pond or clarifier cleaning activities over the weekend. North Easterly winds were detected when the exceedance occurred. Mpact Operations could not be the source of the TRS exceedance that occurred in the village on 9 July 2022.
156	Mpact - Yolandi Schoeman responded, (06/07/2022 09:01): Very gentle north easterlies were blowing when the exceedances occurred. The Paper machine ran well with no downtime or ESKOM powerdips that could of affected the processes. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds that afternoon. The Boilerhouse reports also show the stack emissions were well below the limits with no unusual occurrences. Mpact could not be the source of the continuous TRS emissions detected on the afternoon of 3 Jul 2022
157	Mpact - Yolandi Schoeman responded, (06/07/2022 09:01): Night shift reports indicate that the Paper machine ran well with no downtime or ESKOM powerdips that could of affected the processes. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds . The Boilerhouse reports also show the stack emissions were well below the limits with no unusual occurrences. Mpact could not be the source of the continuous TRS emissions detected the evening of 2 July 2022.
158	Mondi - Jhugroo Tyneal responded, (14/07/2022 10:09): Mondi has investigated and has identified the Secondary Effluent Treatment Plant as the source of the TRS exceedance. During winter we really do struggle with odour from our Secondary Effluent treatment plant. Mondi's odour abatement team is working on identifying long term solutions.
159	Mondi - Jhugroo Tyneal responded, (14/07/2022 10:09): Mondi has investigated, based on stable operating conditions, low wind speeds and low ambient TRS recorded at both UVS and eSikhaleni it is unlikely that Mondi is the source.
160	Mondi - Jhugroo Tyneal responded, (14/07/2022 10:09): Mondi has investigated and identified instability of the Flare as well as purging of softwood gases during start up conditions. We unfortunately did experience some unfavourable conditions during startup of the mill during this particular week which also resulted in 2 odour complaints. Mondi aims to have the flare replaced by end of 2022 as part of the odour abatement project and we are confident that this will see a lot of these issues being resolved.
161	Mondi - Jhugroo Tyneal responded, (14/07/2022 10:09): Mondi has investigated, based on stable operating conditions, low wind speeds and low ambient TRS recorded at both UVS and eSikhaleni it is unlikely that Mondi is the source.
162	Mondi - Jhugroo Tyneal responded, (14/07/2022 10:09): Mondi has investigated, based on stable operating conditions, low wind speeds and low ambient TRS recorded at both UVS and eSikhaleni it is unlikely that Mondi is the source.
163	Mondi - Jhugroo Tyneal responded, (14/07/2022 10:09): Mondi has investigated, based on wind direction it is unlikely that Mondi is the source.

Response	Industry Feedback
164	Mondi - Jhugroo Tyneal responded, (14/07/2022 11:26): Mondi has investigated. Based on stable operating conditions, low wind speeds and low ambient TRS at both the eSikhaleni and UVS stations prior to the exceedances recorded below it is unlikely that Mondi contributed to the TRS.
165	Mondi - Jhugroo Tyneal responded, (14/07/2022 11:26): Mondi has investigated. Based on stable operating conditions, low wind speeds and low ambient TRS at both the eSikhaleni and UVS stations prior to the exceedances recorded below it is unlikely that Mondi contributed to the TRS.
166	Mondi - Jhugroo Tyneal responded, (14/07/2022 11:26): Mondi has investigated. Based on wind direction, high-level wind speed, some erratic trends at both UVS and Esikhaleni stations, Mondi has identified the Secondary Effluent Treatment Plant as the source of the TRS exceedance. Mondi's odour abatement task team is working on long term solutions. Best Regards,
167	Tongaat Hulett - Nicolas Govender responded (15/07/ 2022 10:53): Investigations indicated that our boilers have been experiencing significant issues with regards to the handling of Smuts. The operation to remove all solids successfully at the smuts plants posed a significant challenge. This in turn negatively impacted our effluent plant and had effected the PH's, increased the COD's and reduced the loading. Corrective measures have been put in place to raise the PH's which is in a much better state currently, the boiler dept still face challenges and is currently working on solutions. This did occur since the beginning of June so all exceedances favouring wind conditions to the monitoring station is likely to be TH effluent plant. Whilst during a northerly wind direction with fairly stable wind speed it is also safe to say that it is possible for the TRS exceedances to be our Effluent Plant as well. Our first part of the TRS external investigations did come back, we are still busy with discussions and will share the report shortly.
168	Mpact - Yolandi Schoeman responded, (2022/07/19 10:31): Papermachine: The papermachine ran smoothly, with no ESKOM power dips or abnormal conditions. Effluent Plant: No pond or clarifier cleaning activities occurred during the night when the exceedance occurred. Boilerhouse: Ran well with no abnormal activities reported. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 12 July 2022.
169	Mpact - Yolandi Schoeman responded, (2022/07/19 10:31): Papermachine: The papermachine shut at 14h30 for a grade change and clean up and started up at 18h30 the evening. Effluent Plant: No pond or clarifier cleaning activities occurred during the day and the machine shut had no adverse effects on the plant. The plant experienced some abnormal conditions ±13h00 which was resolved before 14h00. Boilerhouse: Boiler stack emissions were clear and within the statutory limits. South westerly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 13 July 2022.
170	Mpact - Yolandi Schoeman responded, (2022/07/19 10:58): Papermachine: The papermachine experienced an ESKOM power dip at 02h44 and started up at 05h23 again. Effluent Plant: No pond or clarifier cleaning activities occurred during the day and evening. The papermachine power dip had no adverse effects on the plant. Low speed south westerly winds were detected during the time of the Felixton exceedances. Mpact could not have contributed to the TRS exceedances that occurred at the Felixton monitoring station on 14 July 2022.
171	Mpact - Yolandi Schoeman responded, (2022/07/21 15:03): Papermachine: On Friday the papermachine ran well with no ESKOM power dips and no significant downtime occurred to cause upset conditions. Effluent Plant: No pond or clarifier cleaning activities occurred during the day and no abnormal conditions were reported. Boilerhouse: Boiler stack emissions were clear and within the statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 15 July 2022.
172	Mpact - Yolandi Schoeman responded, (2022/07/21 15:05): Papermachine: The papermachine ran well with no ESKOM power dips and no significant downtime occurred to cause upset conditions. Effluent Plant: No pond or clarifier cleaning activities occurred over the weekend. Boilerhouse: Boiler stack emissions were clear and within the statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 16 July 2022.
173	Mpact - Yolandi Schoeman responded, (2022/07/21 15:08): Papermachine: Night shift reports indicate the papermachine ran well with no ESKOM power dips and no downtime occurred to cause upset conditions. Effluent Plant: No pond or clarifier cleaning activities occurred over the weekend.

Response	Industry Feedback
	Boilerhouse: Boiler stack emissions were clear and within the statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 17 July 2022.
174	Mpact - Yolandi Schoeman responded, (2022/07/21 15:25): Mpact commenced its annual maintenance shut on Monday 18 July and the papermachine has not yet started up. Effluent Plant: Pond and clarifier cleaning activities occurred during the day on Monday 18 July and there were no pond/clarifier activities conducted yesterday on 20 July that could have impacted the ambient air quality. Boilerhouse: The boilers were warmed up from ±14h30 yesterday in preparation for the papermachine start-up. Shift reports indicate that the stack opacities were well controlled and within the statutory limits for the rest of the day. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on Wednesday, 20 July 2022.
175	Tongaat Hulett - Nicolas Govender responded (2022/07/22 09:06): We were still experiencing serious issues around the smuts removals at the boilers.(operationally) The smuts clarifiers and ash settlers are impacted significantly. These challenges effect the quality of effluent that leaves the factory which impacts the effluent plant operations, during this time we had experienced some low PH's, high COD's from smuts effluent and some odours. So for above lines on eth attached spreadsheet, TH is likely to have contributed to exceedances.
176	Mpact - Yolandi Schoeman responded, (2022/07/22 13:39): Papermachine: In the morning the papermachine was still offline ; started up the afternoon and shut the evening again. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities occurring that could have generated odours, they were cleaned out on Monday 18 July. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 21 July 2022.
177	Mpact - Yolandi Schoeman responded, (2022/08/03 15:13): Papermachine: Saturday evening the Papermachine ran well with no abnormal conditions or ESKOM power dips. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities that evening. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 23 July 2022.
178	Mpact - Yolandi Schoeman responded, (2022/08/03 15:19): Papermachine: Reports show Tuesday evening the Papermachine ran well with no abnormal conditions or ESKOM power dips. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities that evening. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 26 July 2022.
179	Mpact - Yolandi Schoeman responded, (2022/08/05 08:30): The night a v gentle Northerly wind was blowing and the evening a stronger South Westerly breeze. Papermachine: Wednesday reports indicate the Papermachine was stable prior and during the time of the exceedances. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities that day. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 27 July 2022.
180	Mpact - Yolandi Schoeman responded, (2022/08/05 08:36): Papermachine: The machine had a short stop at 22h40 fortunately no adverse effects on other processes we reported. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities that evening. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 1 Aug 2022.
181	Tongaat Hulett - Nicolas Govender responded, (2022/08/15 11:48): TH most likely did cause the exceedances. We are still experiencing issues around the boilers with regards to the handling of Smuts. The operation to remove all solids successfully at the smuts plants is still a significant challenge. This in turn negatively impacted our effluent plant and had effected the PH's, increased the COD's and reduced the loading. We are trying to source a vacuum delko belt but finding this extremely challenging given its uniqueness. We do have interim measures in place but this presents other challenges so I will communicate any further changes / measures as we progress.

Response	Industry Feedback
182	Tongaat Hulett - Nicolas Govender responded, (2022/08/16 23:54): This exceedances below is related to TH, communication was sent out notifying all authorities of abnormalities.
183	Mpact - Yolandi Schoeman responded, (2022/08/18 13:09): A low speed Northly wind was detected on 2 August 2022. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds that time of the night , therefore Mpact could not be the source of the TRS exceedance on 2 August 2022.
184	Mpact - Yolandi Schoeman responded, (2022/08/18 13:11): Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds that evening, therefore Mpact could not be the source of the TRS exceedance on 5 August 2022.
185	Mpact - Yolandi Schoeman responded, (2022/08/18 13:13): Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds, therefore Mpact could not be the source of the TRS exceedance on 7 August 2022.
186	Mpact - Yolandi Schoeman responded, (2022/08/18 13:38): A strong South Westerly breeze was recorded on 8 August 2022. Papermachine: The papermachine experience some downtime the morning, but restarted again at 12pm without adversely affecting other processes. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities occurring. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 8 Aug 2022.
187	Mpact - Yolandi Schoeman responded, (2022/08/18 13:48): Papermachine: The papermachine ran well with no ESKOM power dips or unstable conditions reported in the evening reports. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities that evening. Boilerhouse: Reports show no upset conditions and stack opacities were within statutory limits. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 9 Aug 2022.
188	Mpact - Yolandi Schoeman responded, (2022/09/01 08:33): A low speed northerly blowing wind was detected at the time of the exceedance. Effluent treatment plant was stable and there were no upset conditions. There were no cleaning activities of the pond, clarifier or reservoirs that could have impacted the ambient air conditions. Mpact Felixton Mill activities were not the source TRS exceedance experienced in the village on 11 August 2022.
189	Mpact - Yolandi Schoeman responded, (2022/09/01 09:18): Papermachine: Reports show the Papermachine ran well with no abnormal conditions or ESKOM power dips. Effluent Plant: No process upsets recorded. There were no reservoir, clarifier or pond cleaning activities that evening. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 17 August 2022.
190	Mpact - Yolandi Schoeman responded, (2022/09/01 09:25): Papermachine: Reports show the Papermachine ran well with no abnormal conditions or ESKOM power dips. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier cleaning activities that evening. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 20 August 2022.
191	Mpact - Yolandi Schoeman responded, (2022/09/01 09:30): Papermachine: Reports show the Papermachine ran well with no abnormal conditions or ESKOM power dips. Effluent Plant: No process upsets recorded. There were no reservoir, clarifier or pond cleaning activities that morning. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 22 Aug 2022.
192	Mpact - Yolandi Schoeman responded, (2022/09/01 08:47): Papermachine: Papermachine had no upset conditions prior or during the times or the exceedances. Effluent Plant: No process upsets recorded. There were no reservoir/clarifier/pond cleaning activities that day. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 12 Aug 2022.
193	Tongaat Hulett - Nicolas Govender responded, (2022/09/08 08:25): Seems like our conditions haven't changed much and it is likely that we caused these TRS exceedances. The smuts clarifier issues have negatively impacted the effluent plant ops. The plant is much more stable now but we are still at risk to probably cause more exceedances. We are continuing with the further investigations regarding the actual source / contributor and will address this going forward, for now there are interim measures in place to manage our smuts. The above applies to line items 1060 to 1360 (excluding 1209 & 1210) and we can also include lines 1362 to 1378.

Response	Industry Feedback
194	Mpact - Yolandi Schoeman responded, (2022/09/13 10:14): The papermachine ran well prior and during the time of exceedance and did cause any upset conditions that could have impacted other processes. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or effluent ponds that morning , therefore Mpact could not be the source of the TRS exceedance on 23 August 2022.
195	Mpact - Yolandi Schoeman responded, (2022/09/13 10:17): The papermachine ran well that Friday evening and did cause any upset conditions that could have impacted other processes. The Effluent Treatment Plant does not conduct any odour causing activities during the night , therefore Mpact could not be the source of the TRS exceedance on 26 August 2022.
196	Mpact - Yolandi Schoeman responded, (2022/09/13 10:23): Predominately Easterly winds were blowing the morning of the first exceedance and later South Westerlies. The papermachine ran well on the morning of 27 August, there were no Eskom power dips or abnormal conditions that could have impacted other processes. Effluent Treatment Plant reports show there were no odour causing activities occurring at the treatment plant or ponds that morning or afternoon, therefore Mpact could not be the source of the TRS exceedance on 27 August 2022.
197	Mpact - Yolandi Schoeman responded, (2022/09/13 10:52): Strong South Westerly winds were blowing on Monday 29 August . There was also a sugarcane fire in the morning West of Mpact Operations. The Effluent Treatment Plant personnel did skim of scum from the clarifier and reservoirs that morning; the South Westerly wind speeds however were high and blowing any possible odours away from Felixton Village. There were no complaints received from the closest receptors (i.e. Hostel or N2 highway) during the skimming activities. The evening there were no cleaning activities occurring. Mpact Effluent treatment plant could not have contributed to the two (2) TRS exceedances that occurred on 29 August 2022 at the RBCAA station.
198	Mpact - Yolandi Schoeman responded, (2022/09/13 11:36): Strong South Westerly winds were blowing on Wednesday 31 August .The Effluent Treatment Plant personnel skimmed of scum from the reservoirs that morning; the South Westerly wind speeds however were high and blowing any possible odours away from Felixton Village. There were no complaints received from the closest receptors (i.e. Hostel or N2 highway) during the skimming activities. The afternoon when the exceedances started there were no cleaning activities occurring. Mpact Effluent treatment plant could not have contributed to the TRS exceedances that occurred on 31 August 2022 at the RBCAA station.
199	Mpact - Yolandi Schoeman responded, (2022/09/13 11:35): Strong South Westerly winds were blowing on Tuesday 30 August 2022. The Effluent Treatment Plant personnel only started working in the reservoirs the afternoon till ±15h30; the South Westerly wind speeds however were high and blowing any possible odours away from Felixton Village. There were no complaints received from the closest receptors (i.e. Hostel or N2 highway) during the cleaning activities. Mpact Effluent treatment plant could not have contributed to the TRS exceedances that occurred whole day on 30 August 2022 at the RBCAA station.
200	Mpact - Yolandi Schoeman responded, (2022/09/14 14:23): The papermachine ran well on 3 Sep 22 and did have any upset conditions that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning over the weekend ;therefore Mpact could not be the source of the TRS exceedance on 3 Sep 2022.
201	Mpact - Yolandi Schoeman responded, (2022/09/14 15:01): The papermachine ran well on 4 Sep 22 and did have any upset conditions that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning over the weekend ;therefore Mpact could not be the source of the TRS exceedance on 4 Sep 2022.
202	Mpact - Yolandi Schoeman responded, (2022/09/14 15:01): The papermachine ran well on Sunday 11 Sep 22 and did have any upset conditions that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning over the weekend Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 11 Sep 2022.

Response	Industry Feedback
203	Mpact - Yolandi Schoeman responded, (2022/09/14 15:01): South Westerly winds were blowing when the exceedances occurred. The papermachine ran well and did have any upset conditions that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning . Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 5 Sep 2022.
204	Mondi- Candice Webb Responded (2022/10/10 11:28): Mondi identified the Secondary Effluent Treatment Plant (SETP) as the source of the TRS exceedance. Mondi is currently working on reducing temperature of effluent in order to reduce impact of TRS on the community.
205	Mpact - Yolandi Schoeman responded, (2022/10/13 15:51): Mpact Felixton Mill shut at 6am yesterday, 12 Oct, to conduct a maintenance shut. The Effluent Treatment Plant did not conduct any pond; clarifier or reservoir cleaning activities that could potentially emit odours. Mpact could not have been the source of the TRS exceedances experienced at the village.
206	Mpact - Yolandi Schoeman responded, (2022/10/13 16:02): On 9 Oct and 10 Oct, Effluent Treatment reports indicate no abnormal conditions or cleaning activities that occurred at midnight or prior to that. Strong winds were blowing at the time of the exceedances, from a South Westerly direction. Mpact Felixton could not have been the source of the TRS exceedances experienced at the village.
207	Mondi- Candice Webb Responded (2022/10/17 09:26): Mondi has investigated. Based on stable operating conditions, low wind speeds and low ambient TRS at both the eSikhaleni and UVS stations prior to the exceedances recorded below, it is unlikely that Mondi contributed to the TRS.
208	Mpact - Yolandi Schoeman responded, (2022/09/17 16:29): On Sunday 16 October, the papermachine ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance in the village.
209	Mpact - Yolandi Schoeman responded, (2022/09/17 16:32): Papermachine night shift reports indicate that the machine ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant does conduct any pond, clarifier or reservoir cleaning activities during the night. Mpact is unlikely to have contributed to the TRS exceedance in the village Saturday 15 Oct 22.
210	Mpact - Yolandi Schoeman responded, (2022/09/17 16:34): Strong South Westerly winds were blowing on Friday 14 Oct. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance experienced in the village.
211	Tongaat Hulett - Nicolas Govender responded, (2022/10/28 10:22): We are currently busy with the second part of our TRS investigations. There have been some upset conditions at the effluent plant and smuts clarifiers so all exceedances with the south westerly winds will be related to TH. This is for lines 1385 to 1591 for Felixton station TRS exceedances. Once the TRS investigations are completed / finalized we should have an idea of the actual source and implement some kind of measures to reduce these exceedances.
212	Mpact - Yolandi Schoeman responded, (2022/11/14 15:31): The papermachine ran well on 1 Nov 22 and did have any upset conditions that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning that evening ;therefore Mpact could not be the source of the TRS exceedance on 1 Nov 2022.
213	Mpact - Yolandi Schoeman responded, (2022/11/14 15:31): The papermachine shut at 17h44 on 8 Nov for 4 hours to do maintenance , this shut did not negatively impact other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning that evening ; therefore Mpact could not be the source of the TRS exceedance on 8 Nov 2022.

Response	Industry Feedback
214	Mpact - Yolandi Schoeman responded, (2022/11/23 13:18): The papermachine ran well on the morning of Friday 11 Nov 22 , there were no abnormal incidents prior and during the time that the TRS incident occurred. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning that morning ; therefore Mpact could not be the source of the TRS exceedance on 11 Nov 2022.
215	Mpact - Yolandi Schoeman responded, (2022/11/23 13:20): The papermachine ran well on 13 Nov 22 and did have any upset conditions that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning that weekend ;therefore Mpact could not be the source of the TRS exceedance on 13 Nov 2022.
216	Mpact - Yolandi Schoeman responded, (2022/11/23 13:20): Reports show there were no upset conditions at the papermachine prior and during the time of the exceedance that could have negatively impacted other processes. The Effluent Treatment Plant did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning that evening ; therefore Mpact could not be the source of the TRS exceedance on 14 Nov 2022.
217	Mpact - Yolandi Schoeman responded, (2022/11/23 13:30): A South Westerly wind was blowing on Wednesday, 16 Nov 2022. Mpact papermachine ran well and there were no upset conditions for that day. The Effluent Treatment Plant reports also indicate no potentially odorous cleaning activities were conducted that day. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 16 Nov 2022
218	Mpact - Yolandi Schoeman responded, (2022/11/23 14:15): The papermachine ran well on 19 Nov 22 and did have any upset conditions that could have negatively impacted other processes. The effluent treatment plant also did not conduct any odour causing activities such as pond, clarifier or reservoir cleaning that weekend. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 19 Nov 2022
219	Mpact - Yolandi Schoeman responded, (2022/12/20 08:16): Mpact papermachine ran well and there were no major upset conditions for that day. The Effluent Treatment Plant reports indicate there were no clarifier or reservoir cleaning activities that evening ,that could have produced odours. Mpact could not have contributed to the ambient air quality or TRS exceedances that occurred at the Felixton monitoring station on 26 Nov 2022
220	Mpact - Yolandi Schoeman responded, (2022/12/20 08:19): On Sunday 27 November, the papermachine ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance in the village.
221	Mpact - Yolandi Schoeman responded, (2022/12/20 08:21): The papermachine ran well and there were no upset conditions that could have impacted other processes prior and during the times of the exceedances. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance in the village on Tuesday 29 Nov 2022.
222	Mpact - Yolandi Schoeman responded, (2022/12/20 08:30): On Monday 5 December 2022, the papermachine ran well and there were no upset conditions that could have impacted other processes prior or during the time of the exceedance. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance in the village.
223	Mpact - Yolandi Schoeman responded, (2022/12/20 08:46): There were no upset conditions at the papermachine operations at that time of the morning, that could have negatively impacted other processes. The Effluent Treatment Plant does not conduct any pond, clarifier or reservoir cleaning activities at the that time of the morning. Mpact is unlikely to have contributed to the TRS exceedance in the village on 7 Dec 2022.

Response	Industry Feedback
224	Mpact - Yolandi Schoeman responded, (2022/12/20 09:07): Low speed North Easterlies were prominent at the time of the exceedances. The papermachine ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities at that time of the night that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance in the village.
225	Mpact - Yolandi Schoeman responded, (2022/12/20 10:01): On Monday 28 Nov, mostly South Easterlies and Southerly winds were blowing. The papermachine ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could potentially emit odours. Mpact is unlikely to have contributed to the TRS exceedance in the village.
226	Mpact - Yolandi Schoeman responded, (2022/12/20 10:01): As South Easterly wind was detected at the time of the exceedance. the papermachine ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could have potentially emitted odours. Mpact is unlikely to have contributed to the TRS exceedance in the village.
227	Tongaat Hulett - Nicolas Govender responded (2022/12/ 20 11:24): We are still experiencing challenges at the smuts plants which effected the PH and performance at the Effluent Plant. The actual root cause of the issues will be dealt with during the shut and the Effluent plant will also recover during this period.
228	Mondi- Nosipho Ntombela Responded (2022/10/20 14:30): SETP switched off procedure- however, wet weather conditions coupled with low wind speeds keep odour close to the ground.
229	Mpact - Maggie Odayar responded, (2023/01/11 13:09): Between 2 to 4 am - South westerly winds were detected at the time of the exceedance at wind speeds between 1.6 to 2.5 m/s. Based on the wind directions at the time, Mpact in unlikely to have contributed to the TRS exceedance at this time. Further exceedances were experienced between 19h00 and 23:40 – from investigations and shift reports, the paper machine and boiler house ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could have potentially emitted odours. Mpact is unlikely to have contributed to the TRS exceedances on the 21st of December 2022.
230	Mpact - Maggie Odayar responded, (2023/01/11 14:28): From investigations and shift reports, the paper machine and boiler house ran well and there were no upset conditions that could have impacted other processes. The Effluent Treatment Plant did not conduct any pond, clarifier or reservoir cleaning activities that could have potentially emitted odours. Mpact is unlikely to have contributed to the TRS exceedances on the 21st of December 2022. Wind speeds and wind directions were easterly which do not favour Mpact contributing to the Felixton station.
231	Mpact - Maggie Odayar responded, (2023/01/11 15:36): An easterly wind was detected at the time of the exceedance, not favouring Mpact. Investigations show that the process was stable and Mpact is unlikely to have contributed to the TRS exceedance in Felixton.
232	Tongaat Hulett - Nicolas Govender responded (2022/12/ 17 10:10): based on wind direction it is likely that our effluent plant may have caused these exceedances. We were experiencing issues with the handling of smuts clarifier water for awhile due to the delko belts. These issues will be rectified during this off crop and our dams will be better.
233	Mondi- Candice Webb Responded (2022/01/19 09:55): no root cause was identified however, based on wind direction it is possible Mondi contributed to the TRS.

