

Woodfibre LNG Air Quality Monitoring Station Report for August 2025

September 29, 2025

Prepared for:
Woodfibre LNG General Partner Inc.

Prepared by:
Stantec Consulting Ltd.

Project/File:
123222160

Limitations and Sign-off

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Prepared by: _____
Signature

Dr. Kashif Choudhry, P.Eng. (BC, ON,
and SK), Senior Atmospheric Engineer

Printed Name

Reviewed by: _____
Signature

Dan Jarratt, EP, P.Eng. (AB, BC, YT)
Senior Atmospheric Engineer

Printed Name

Approved by: _____
Signature

Adriana MacLeod, B.Sc.

Printed Name



Executive Summary

This report provides a summary of the ambient air quality monitoring data for August 2025 that was collected in fulfilment of the requirements established in the Floatel Air Quality Monitoring and Mitigation Plan (Rev 6, July 5, 2024) (Woodfibre LNG 2024). Table ES.1 below presents the monthly averages, ranges, and maximum values for key air contaminant concentrations measured during August 2025, along with additional information on air quality exceedances and complaints received during this period. This report provides an overview of ambient air quality conditions and regulatory compliance actions taken during August 2025.

Table ES.1 August 2025 Air Quality Monitoring Station Summary

Air Contaminant		Units	Monthly Average	Monthly Range (Min - Max)
PM _{2.5} (24-hour average)		µg/m³	11.5	4.6 - 21.8
PM ₁₀ (24-hour average)		µg/m³	23.7	14.0 - 35.3
TSP (24-hour average)		µg/m³	32.2	15.1 - 48.0
NO ₂ (24-hour average)		ppb	7.5	0.4 - 17.1
NO ₂ (1-hour average)		ppb	7.5	0.0 - 41.8
SO ₂	Aug 1 – Sep 3, 2025	ppb	0.2	
VOC as Hexane			2.3	
Number of Air Quality Exceedances Recorded			None	
Number of Complaints Received			None	



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Acronyms / Abbreviations

AGAT	AGAT Laboratories
AQMS	Air Quality Monitoring Station
AQO	British Columbia Air Quality Objective(s)
BC	British Columbia
BC ENV	British Columbia Ministry of Environment and Climate Change Strategy (2017–2024)
BC ENVP	British Columbia Ministry of Environment and Parks (2024–Present)
CAAQS	Canadian Ambient Air Quality Standard(s)
CCME	Canadian Council of Ministers of the Environment
EAO	British Columbia Environmental Assessment Office
Floatel	The marine-based work camp, associated facilities and mooring infrastructure dedicated to house approximately 650 Workers during the Construction and Operations of the Project
FAQMMP	Floatel Air Quality Monitoring and Mitigation Plan
FEM	Federal Equivalent Method
NO ₂	Nitrogen Dioxide
PM	Particulate Matter
PM _{2.5}	Fine Particulate Matter (less than 2.5 microns (µm) in aerodynamic diameter)
PM ₁₀	Particulate Matter (less than 10 microns (µm) in aerodynamic diameter)
QA/QC	Quality Assurance and Quality Control
SO ₂	Sulphur Dioxide
TSP	Total Suspended Particulate (less than 100 microns (µm) in aerodynamic diameter)
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
Woodfibre LNG	Woodfibre LNG General Partner Inc.



1 Introduction

Woodfibre LNG General Partner Inc. (Woodfibre LNG) is developing the Woodfibre Liquefied Natural Gas Project (the Project) at the former Woodfibre Pulp Mill site, approximately seven kilometres southwest of Skwxwú7mesh (Squamish), British Columbia (BC). To support onsite ambient air quality monitoring, Stantec Consulting Ltd. (Stantec) prepared the Floatel Air Quality Monitoring and Mitigation Plan (FAQMMP; Rev 6, July 5, 2024) on behalf of Woodfibre LNG (Woodfibre LNG 2024). The FAQMMP was developed to comply with Condition 30 of the Environmental Assessment Office (EAO) Amendment #3 (EAO 2023), which pertains specifically to Floatel air quality monitoring. The monitoring is intended to demonstrate compliance with ambient air quality standards and assists Woodfibre LNG in determining whether mitigation during the Project's construction phase is required. Further details regarding the purpose, duration, and compliance framework are available in the FAQMMP Rev 6 July 5, 2024 (Woodfibre LNG 2024).

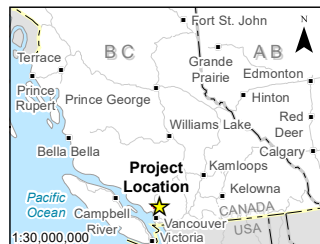
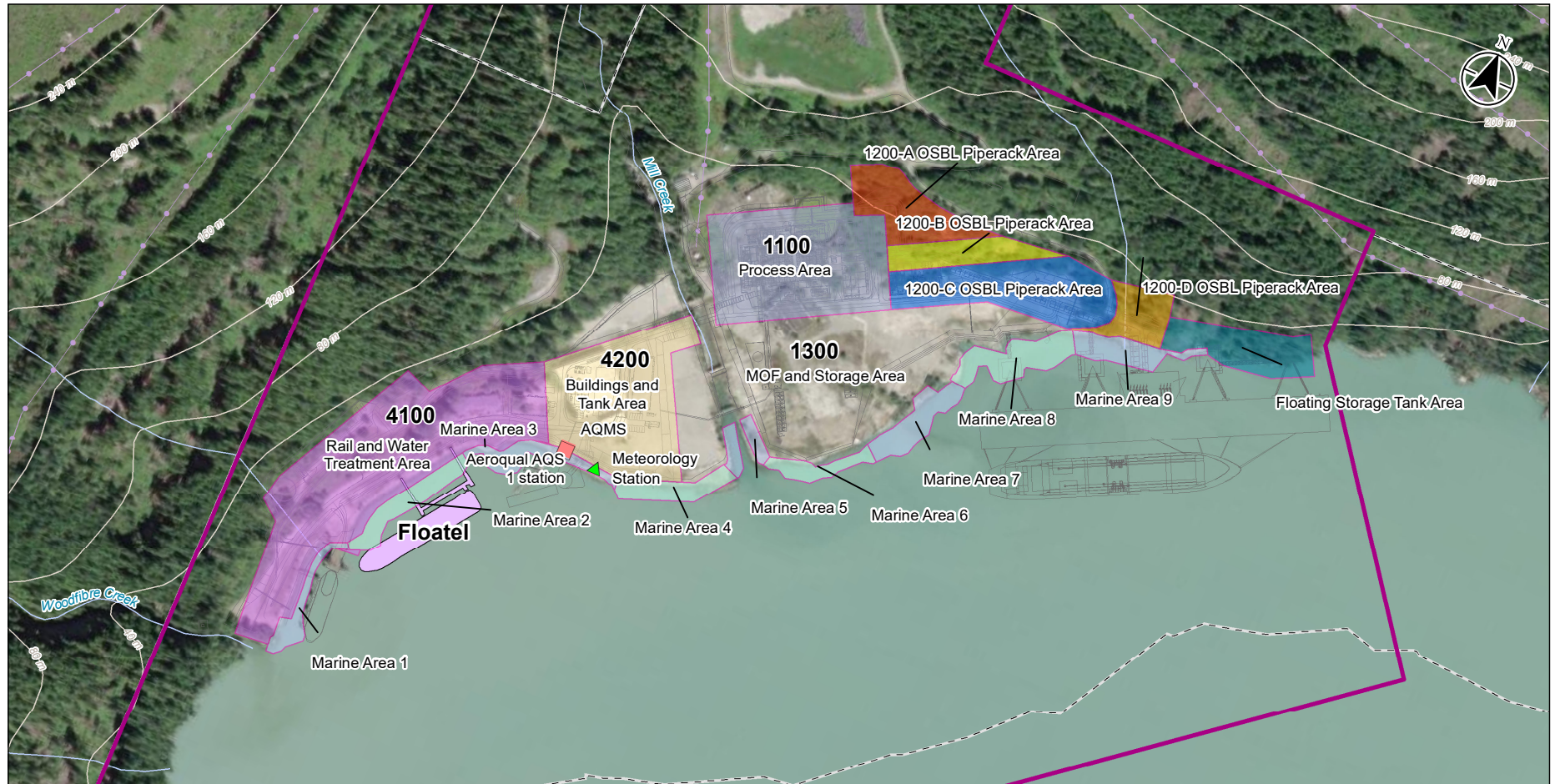
FAQMMP Rev 7 is currently in development through consultation with BC ENVP, BC MOH, BCER, EAO, VCH and designated Indigenous groups participating in the review process. The trigger levels for SO₂ and VOC from Rev 7 are applied in this monthly air quality report for comparison purposes.

The air quality monitoring station (AQMS) continuously measures PM_{2.5}, PM₁₀, TSP, and NO₂ concentrations, along with passive sampling and analysis for SO₂ and VOCs. Data processing, quality assurance, and quality control (QA/QC) of the air quality monitoring equipment are performed, and the data presented in this monthly report is based on a Level 0 data validation as described by the British Columbia Field Sampling Manual – Part B (BC ENVP 2020, formerly British Columbia Ministry of Environment & Climate Change Strategy (BC ENV, 2017–2024); now Ministry of Environment & Parks (BC ENVP), 2024–present).

The location of the AQMS (UTM Easting 481,569 m and Northing 5,501,374 m, NAD83 datum, zone 10U) is adjacent to the existing meteorology station (UTM Easting 481,610 m and Northing 5,501,369 m, NAD83 datum, zone 10U) currently in operation at the Woodfibre LNG site as recommended in the FAQMMP. Figure 1.1 provides a map of the Woodfibre LNG site. This August 2025 monthly air quality report provides data on air quality and meteorology conditions monitored at the Woodfibre LNG Project site close to the Floatel. The monitoring and reporting support regulatory compliance. These monthly reports track ambient air quality trends, address potential issues, and help the Project meet project-specific and regulatory requirements including the protection of off-duty workers residing in the Floatel.



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Notes
1. Coordinate System: NAD 1983 UTM Zone 10N
2. Data Sources: DataBC, Government of British Columbia; Natural Resources Canada
3. Orthoimagery: ESRI World Imagery

- Transmission Line
- Topographic Contour
- Watercourse
- Municipal Boundary
- Project Design Linework
- Floatel
- Certified Project Area
- AQMS
- Meteorology Station

MOF = Marine Offloading Facility
OSBL = Outside Battery Limits

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Project Location: Woodfibre, British Columbia
Project Number: 12322160
Prepared by: J. POUCHIER on 20250103
Requested by: KCHUEN on 20250103
Checked by: YMA on 20240828
Client/Project/Report:

Woodfibre LNG
Figure No.
1.1
Title
Map of Woodfibre LNG Site

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2 Key Components Assessed

Two key sets of measurements are reported: a) meteorology data, including ambient temperature, wind speed and direction, relative humidity, barometric pressure, and total rainfall, and b) ambient concentrations of air contaminants measured at the AQMS.

2.1 Meteorology

Meteorology data supporting the Woodfibre LNG AQMS are acquired from the nearby Woodfibre LNG meteorology station. This meteorology data supports the long-term ambient air quality monitoring program. The meteorology variables measured at the station are listed in Table 2.1.

Table 2.1 Parameters Measured at the Woodfibre LNG Site Meteorology Station

Parameter	Units
Wind Speed	m/s
Wind Direction	Degrees
Air Temperature	°C
Rainfall	mm
Relative Humidity	%
Barometric Pressure	hPa

2.2 Air Contaminants of Interest

The air contaminants being measured are described below according to the type of monitoring.

2.2.1 Continuous Sampling

- Fine particulate matter with aerodynamic diameter less than or equal to 2.5 microns (PM_{2.5})
- Coarse particulate matter with aerodynamic diameter less than or equal to 10 microns (PM₁₀)
- Total suspended particulate (TSP) with aerodynamic diameter less than or equal to 100 microns
- Nitrogen dioxide (NO₂)

2.2.2 Passive Sampling

- Sulphur dioxide (SO₂)
- Volatile organic compounds (VOCs)



2.3 Air Quality Criteria

The air contaminants monitored at the AQMS, along with their corresponding Canadian Ambient Air Quality Standards (CAAQS) (CCME 2024) and British Columbia Air Quality Objectives (BCAQO) (BC ENVP 2021) regulatory criteria, are presented in Table 2.2 and Table 2.3, respectively.

Table 2.2 Summary of 2020 and 2025 Canadian Ambient Air Quality Standards for the Contaminants of Potential Concern

Substance	Averaging Period	Concentration ^a			
		(µg/m ³) ^{b,c}		(ppbv) ^d	
		2020	2025	2020	2025
Nitrogen Dioxide (NO ₂)	1-hour ^e	113	79	60	42
	Annual ^f	32	23	17.0	12.0
Sulphur Dioxide (SO ₂)	1-hour ^g	183	170	70	65
	Annual ^h	13	10.4	5.0	4.0
Fine Particulate Matter (PM _{2.5})	24-hour ⁱ	27	— ^j	—	—
	Annual ^k	8.8	— ^j	—	—

Notes:

^a Canadian Ambient Air Quality Standards (CCME 2024) for 2020 and 2025.

^b µg/m³ is the mass of the substance in micrograms per cubic meter of air.

^c Standard conditions of 25°C and 101.325 kPa are used to convert from µg/m³ to ppbv.

^d ppbv is the volume of the substance (parts) per billion volumes of air.

^e The 3-year average of the annual 98th percentile of the daily maximum 1-hour average concentration.

^f The average over a single calendar year of all 1-hour average concentrations.

^g The 3-year average of the annual 99th percentile of the daily maximum 1-hour average concentrations.

^h The average over a single calendar year of all 1-hour average concentrations.

ⁱ The 3-year average of the annual 98th percentile of the daily 24-hour average concentrations.

^j Currently under review by the CCME

^k The 3-year average of the annual average of the daily 24-hour average concentrations.



Table 2.3 British Columbia Ambient Air Quality Objectives

Substance	Averaging Period	Air Quality Objective ^a	
		µg/m ³ ^{b,c}	ppbv ^d
Nitrogen Dioxide (NO ₂)	1-hour ^e	113	60
	Annual ^f	32	17
Sulphur Dioxide (SO ₂)	1-hour ^g	183	70
	Annual ^h	13	5
Fine Particulate Matter (PM _{2.5})	24-hour ⁱ	25	—
	Annual ^j	8.0	—
Coarse Particulate Matter (PM ₁₀)	24-hour	50	—
Total Suspended Particulate (TSP)	24-hour	120	—
	Annual ^k	60	—

Notes:

- ^a British Columbia Air Quality Objectives (BC ENVP 2021).
- ^b µg/m³ is the mass of the substance in micrograms per cubic meter of air.
- ^c Standard conditions of 25°C and 101.325 kPa are used to convert from µg/m³ to ppbv.
- ^d ppbv is the volume of the substance (parts) per billion volumes of air.
- ^e Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.
- ^f Achievement based on annual average of 1-hour average concentrations over one year.
- ^g Achievement based on annual 99th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.
- ^h Achievement based on annual average of 1-hour concentrations over one year.
- ⁱ Achievement based on annual 98th percentile of daily average, averaged over one year.
- ^j Achievement based on annual average, averaged over one year.
- ^k Based on geometric mean.

In addition to comparing measured concentrations against the applicable BCAQOs, project-specific trigger levels have been established to provide early warnings of potential air quality concerns. These trigger levels are set at two-thirds of the BCAQOs and are used to notify the project team when elevated concentrations are being recorded, prompting mitigation actions if needed. The project-specific trigger levels are:

- 16.7 µg/m³ for 24-hour average PM_{2.5}
- 33.3 µg/m³ for 24-hour average PM₁₀
- 80 µg/m³ for 24-hour average TSP
- 40 ppb for 1-hour average NO₂



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Section 2: Key Components Assessed

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The passive sampling of SO₂ and total VOCs allows for monthly and annual concentration values, rather than 1-hour and daily concentrations. There are no applicable monthly BCAQO for SO₂ and VOC but there is an annual BCAQO for SO₂ to compare the monitoring results to. The monthly trigger limit for the passive monitoring of SO₂ and VOC are:

- 5 ppb for monthly passive SO₂
- > 15 times of the previous monthly passive VOC

These SO₂ (5 ppb) and VOC (>15x previous month) values were introduced in draft Rev 7 of the FAQMMP as requested by the Squamish Nation. These trigger levels support proactive air quality management and are not regulatory limits.



3 Instrument Summary

The AQMS is currently being operated to measure the ambient concentrations of the air contaminants mentioned above. The instrumentation used to monitor ambient air quality at the AQMS is summarized in Table 3.1. The NO–NO₂–NO_x gas analyzer could not collect valid data from August 1 00:00 hours to August 6 at 04:00 hours due to daily span test results exceeding the acceptance criteria. The NO–NO₂–NO_x gas analyzer was recalibrated on August 6, 2025, between 5:00 and 12:00 hours. In addition, the quarterly maintenance including and calibration of the three BAMs (PM_{2.5}, PM₁₀, and TSP) was completed on August 6–7, 2025. The sampling inlet tubes and filters were also cleaned.

Passive sampling of SO₂ and VOCs uses AGAT's Passive Sampler system. The Woodfibre LNG personnel exchange the monthly samples and submit them to AGAT for laboratory analysis.

Table 3.1 Summary of Instrumentation used at the Woodfibre LNG Air Quality Monitoring Station

Parameter	Instrumentation
PM _{2.5} , PM ₁₀ , and TSP	Met One Instruments BAM 1020 Beta Attenuation Mass Monitors
NO ₂	Thermo Fisher Scientific – Model 42i (NO–NO ₂ –NO _x) Analyzer
SO ₂ and total VOCs	AGAT's Passive Sampler system

3.1 Continuous Monitoring of PM and NO₂

Particulate matter (PM_{2.5}, PM₁₀, and TSP) was continuously monitored following the Standard Operating Procedure for the Continuous Measurements of Ambient PM Using a Beta Attenuation Monitor (Reference No: SOP-05a). The NO₂ concentrations were continuously monitored following the Standard Operating Procedure for the Continuous Measurement of Ambient NO_x (Reference No: SOP-03) in Part B1 of the British Columbia Field Sampling Manual (BC ENVP 2020).

3.2 Passive Monitoring of SO₂ and VOC

The SO₂ and VOC ambient concentrations were monitored following the Standard Operating Procedure for the Passive/Diffusive Method of Air Sample Collection (Reference No: SOP-07) in Part B1 of the British Columbia Field Sampling Manual (BC ENVP 2020).



4 Ambient Air Quality Monitoring Results

The measured data presented for passive and continuous monitoring includes a) ambient air quality data collected at the AQMS (Appendix A: Figure A.1 to Figure A.10; Appendix B: Table B.1), and b) meteorology data acquired from the Woodfibre LNG meteorology station (Appendix A: Figure A.11 to Figure A.17; Appendix B: Table B.2).

4.1 Continuous Monitoring of PM and NO₂

A summary of the hourly ambient air monitoring results for PM_{2.5}, PM₁₀, TSP, and NO₂ for August 2025 is presented in Appendix A, Figure A.1 to Figure A.5, along with the corresponding regulatory criteria and comparisons with Langdale Elementary (BC ENVP 2025a) and Squamish Elementary (BC ENVP 2025b) regional ambient air quality monitoring stations. Langdale Elementary and Squamish Elementary were selected as reference points due to their relative proximity to the Woodfibre LNG construction site and the availability of relevant ambient air quality data. The BC ENVP air quality monitoring station at Langdale Elementary provides measurements for PM_{2.5}, PM₁₀, NO₂, and SO₂, while Squamish Elementary monitors PM_{2.5}, NO₂, and SO₂. There are no BC ENVP ambient air quality monitoring stations near the Woodfibre LNG project site that measures TSP and VOCs.

During August 2025, the hourly PM_{2.5} concentrations ranged from 0¹ to 54 µg/m³, the hourly PM₁₀ concentrations ranged from 7 to 69 µg/m³, the hourly TSP concentrations ranged from 5 to 139 µg/m³, and the hourly NO₂ concentrations ranged from 0² to 41.8 ppb. The NO–NO₂–NO_x gas analyzer data was invalidated during the data QA/QC process for the period from August 1 at 00:00 hours to August 6 at 04:00 hours and is excluded from this report. This was due to daily span test results exceeding the acceptance criteria, where data should be invalidated to the last point in time when measurements were valid (span test pass). The hourly results for the NO₂ concentration monitoring during August were less than the BCAQO regulatory standard of 60 ppb. The hourly air quality objective regulatory standard for NO₂ is based on the 3-year average of the annual 98th percentile of the daily maximum 1-hour average concentration (CCME 2024; BC ENVP 2021).

Similarly, a summary of the daily (24-hour average) ambient air quality monitoring results for PM_{2.5}, PM₁₀, TSP, and NO₂ for August 2025 is presented in Appendix B: Table B.1 and Figure A.6 to Figure A.10 (Appendix A), with corresponding regulatory criteria and comparisons with Langdale Elementary and Squamish Elementary regional air quality monitoring stations. The NO₂ gas analyzer could not collect

¹ The BAM 1020 instrument recording the PM_{2.5} concentrations may occasionally report slightly negative values when the are very low. Therefore, both the BCFSM (BC ENVP 2020) and the National Air Pollution Surveillance (NAPS, CCME 2019) program provide data validation criteria for PM_{2.5} measurements: values between -3 and 0 µg/m³ are adjusted to 0, while values below -3 µg/m³ are flagged as invalid. This approach has been followed for PM_{2.5} data validation program.

² The 42i NO–NO₂–NO_x gas analyzer recording the NO₂ concentrations may occasionally report slightly negative values when the are very low near the detection limit. Both the BCFSM (BC ENVP 2020) and the National Air Pollution Surveillance (NAPS, CCME 2019) program provide data validation criteria for gas concentration measurements: values between -3 and 0 ppb are adjusted to 0, while values below -3 ppb are further investigated prior to setting to zero. This approach has been consistently applied in the data validation program.



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Section 4: Ambient Air Quality Monitoring Results

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24-hour average valid data from August 1 to August 6, 2025, due to the daily span check failures and NO-NO₂-NO_x gas analyzer's maintenance and calibration activities (Appendix C) on August 6, 2025. The quarterly maintenance including and calibration of the three BAMs (PM_{2.5}, PM₁₀, and TSP) was completed on August 6–7, 2025 (Appendix C). The 24-hour regulatory standards for PM₁₀ and TSP monitoring are 50 µg/m³ and 120 µg/m³, respectively. The 24-hour BCAQO regulatory standard for PM_{2.5} is 25 µg/m³, based on the 3-year average of the annual 98th percentile of the daily 24-hour average concentrations (CCME 2024; BC ENVP 2021).

During August 2025, the 24-hour average PM_{2.5} concentrations ranged from 4.6 to 21.8 µg/m³, 24-hour average PM₁₀ concentrations ranged from 14.0 to 35.3 µg/m³, 24-hour average TSP concentrations ranged from 15.1 to 48.0 µg/m³, and 24-hour average NO₂ concentrations ranged from 0.4 to 17.1 ppb. The 24-hour average PM_{2.5}, PM₁₀ and NO₂ concentrations recorded at the Woodfibre LNG AQMS site were generally higher than those observed at the Langdale Elementary and Squamish Elementary regional air quality monitoring stations, which is expected given the proximity of the AQMS site to active construction activities.

The available data for August 2025 is insufficient to compare with the annual regulatory standards set for NO₂, PM_{2.5}, and TSP by BCAQO and CAAQS. The monthly average NO₂ concentration in August 2025 is 7.5 ppb. The combined average NO₂ concentration from January to August 2025 is 8.3 ppb, less than the BCAQO and CAAQS annual regulatory standards of 17 ppb and 12 ppb, respectively.

The August 2025 monthly average PM_{2.5} concentration is 11.5 µg/m³. The combined average for January to August 2025 is 7.2 µg/m³ and is less than the BCAQO and CAAQS annual regulatory standards of 8.0 and 8.8 µg/m³, respectively. However, this eight-month average does not represent a yearly valid average for comparison with these regulatory standards. Similarly, the August monthly average TSP concentration is 32.2 µg/m³. The combined average TSP concentration from January to August 2025 is 30.4 µg/m³, less than the BCAQO annual regulatory standard of 60 µg/m³.

A summary of the 24-hour average PM_{2.5}, PM₁₀, TSP and NO₂ concentrations measured during August 2025 is presented in Appendix A (Figure A.6 to Figure A.10) and Appendix B, Table B.1. The results for PM_{2.5}, PM₁₀, and TSP were less than the BCAQO regulatory standards of 25 µg/m³, 50 µg/m³, and 120 µg/m³, respectively, and no air quality non-conformances were recorded for these contaminants of interest. However, a single NO₂ concentration above the project-specific trigger level of 40 ppb was recorded at the on-site AQMS on August 29, 2025, at 17:00 hours, with a value of 41.8 ppb. During the same hour, NO₂ concentrations measured at the Langdale Elementary and Squamish Elementary regional air quality stations were substantially lower, at 4.3 ppb and 11.3 ppb, respectively. Concentrations recorded at the onsite AQMS in the subsequent hours were much lower than the trigger level. As such, no further investigation or action was required. In addition, six 24-hour average PM_{2.5} concentrations and four 24-hour average PM₁₀ concentrations were above the project-specific trigger levels of 16.7 µg/m³ and 33.3 µg/m³, respectively, between August 26 and August 31, 2025. The PM_{2.5} and PM₁₀ concentrations recorded at the onsite AQMS, and regional stations are presented in Appendix A, Figure A.7 and Figure A.8. As a mitigation effort, water trucks were operated on site to suppress dust and limit Project-related contributions. Though several recorded concentrations were greater than the project-specific trigger levels, no air quality non-conformance events were recorded during



August 2025. No air quality complaints were received from the Floatel residents during August 2025. The weekly AQMS reports are presented in Appendix D.

4.2 Passive Monitoring of SO₂ and VOC

The passive sample media for SO₂ and total VOCs were swapped on September 3, 2025. This report includes the results for samples collected for the exposure period from August 1, 2025, to September 3, 2025. The laboratory analysis report is presented in Appendix E.

The results for SO₂ and VOC samples show an ambient average SO₂ concentration of 0.2 ppb and an ambient average VOC concentration of 2.3 ppb. The instrument-reported detection limits (RDL) are 0.2 ppb and 0.7 ppb, respectively. For comparison, the regional monitoring stations reported higher ambient SO₂ concentrations in August 2025, with Squamish Elementary recorded 1.1 ppb and Langdale Elementary recorded 1.2 ppb. The measured SO₂ concentration at the AQMS was 0.2 ppb, meaning it was less than the levels recorded at Squamish Elementary and Langdale Elementary regional air quality stations. In both June and July 2025, the recorded SO₂ concentrations were below the RDL of <0.2 ppb, while VOC concentrations in June remained below the RDL of 0.7 ppb and in July the recorded VOC concentration was 3.3 ppb.

4.3 Meteorology

A summary of the meteorology conditions during August 2025 is presented in Appendix A, Figure A.11 to Figure A.17 and Appendix B, Table B.2. Daily average and maximum wind speeds are shown in Figure A.11. The highest hourly average wind speed was recorded on August 13, 2025, at 12:00 (10.6 m/s), and the highest 24-hour average wind speed was also recorded on the same day (1.8 m/s). Figure A.12 presents a wind rose illustrating wind direction and speed for August 2025 at the Woodfibre LNG meteorology station. The prevailing wind direction is from the northwest and northeast. Additionally, Figure A.13 includes four wind roses capturing specific time intervals: between 0:00 and 8:00 hours, 9:00 and 12:00 hours, 13:00 and 19:00 hours, and 20:00 and 00:00 hours throughout August 2025.

The daily ambient temperature data is presented in Figure A.14. The maximum hourly air temperature of 29.3°C was recorded on August 12, 2025, at 16:00, while the minimum hourly temperature of 12.8°C occurred on August 8, 2025, at 04:00. The monthly average temperature for August 2025 was 19.1°C.

The daily and total monthly rainfall data, presented in Figure A.15 and Table B.2, show that the highest single-day rainfall of 57.0 mm occurred on August 15, 2025. The total rainfall for August 2025 was 81.8 mm.

The daily average relative humidity ranged from 60.8% to 97.6% in August 2025. The daily minimum, maximum, and average relative humidity values recorded at the Woodfibre LNG station are presented in Figure A.16 and Table B.2. The daily average barometric pressure values ranged from 1,008.2 hPa to 1,024.0 hPa in August 2025, with a monthly average of 1,016.7 hPa. The daily barometric pressure values are presented in Figure A.17 and Table B.2.



5 Summary of Ambient Air Quality Monitoring Results

The ambient air quality monitoring results for August 2025 indicate that the PM_{2.5}, PM₁₀, and TSP concentrations remained less than the BC Air Quality Objective regulatory standards. The hourly measured NO₂ concentrations were less than the BCAQO regulatory standard. The meteorology data, including wind speed, temperature, and rainfall, support accurate interpretation of the ambient air quality monitoring trends. No complaints from the Floatel residents were received during August 2025.



6 References

- BC ENVP. 2020. *The British Columbia Field Sampling Manual: Part B: Air and Air Emissions Testing*. Retrieved September 19, 2025, from Government of British Columbia: Ministry of Environment and Climate Change Strategy (BC ENV, 2017-2024); now Ministry of Environment & Parks (BC ENVP, 2024–present); Environmental Protection & Sustainability; Research, Monitoring and Reporting; Monitoring; B.C. Field Sampling Manual Web Site: https://www2.gov.bc.ca/assets/gov/environment/research-monitoring-and-reporting/monitoring/emre/manuals/field-sampling-manual/bc_field_sampling_manual_part_b.pdf
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Appendices



Appendix A Figures



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.1 Hourly PM Concentrations Recorded at the AQMS during August 2025

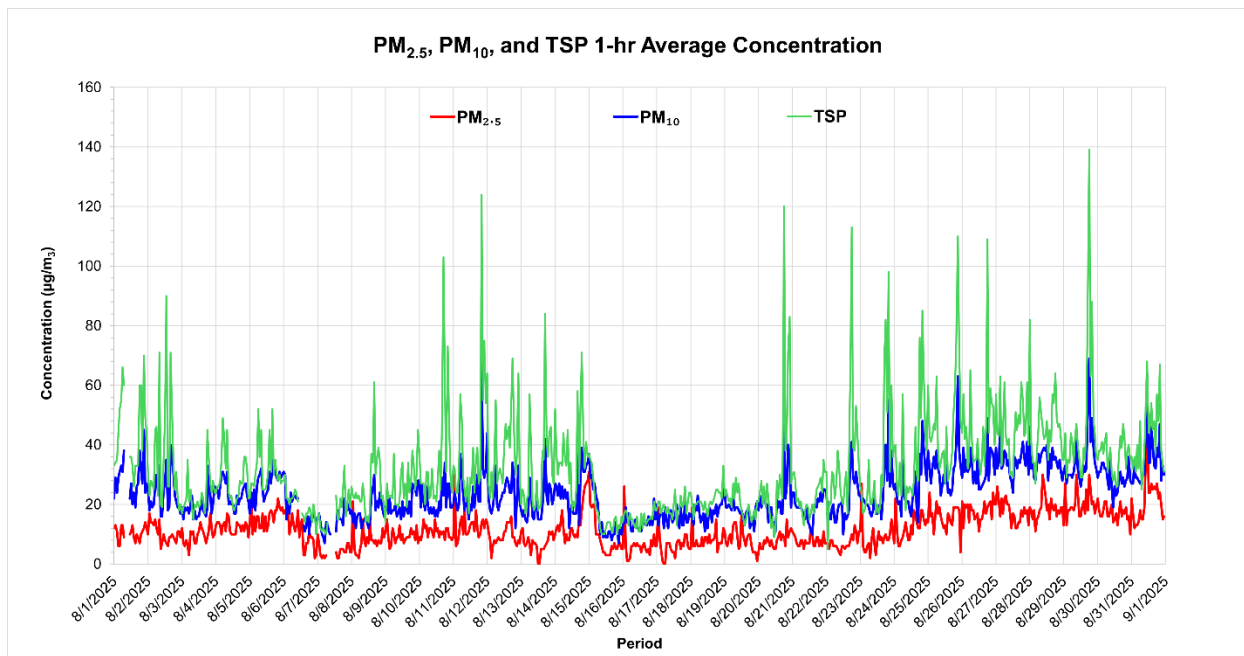
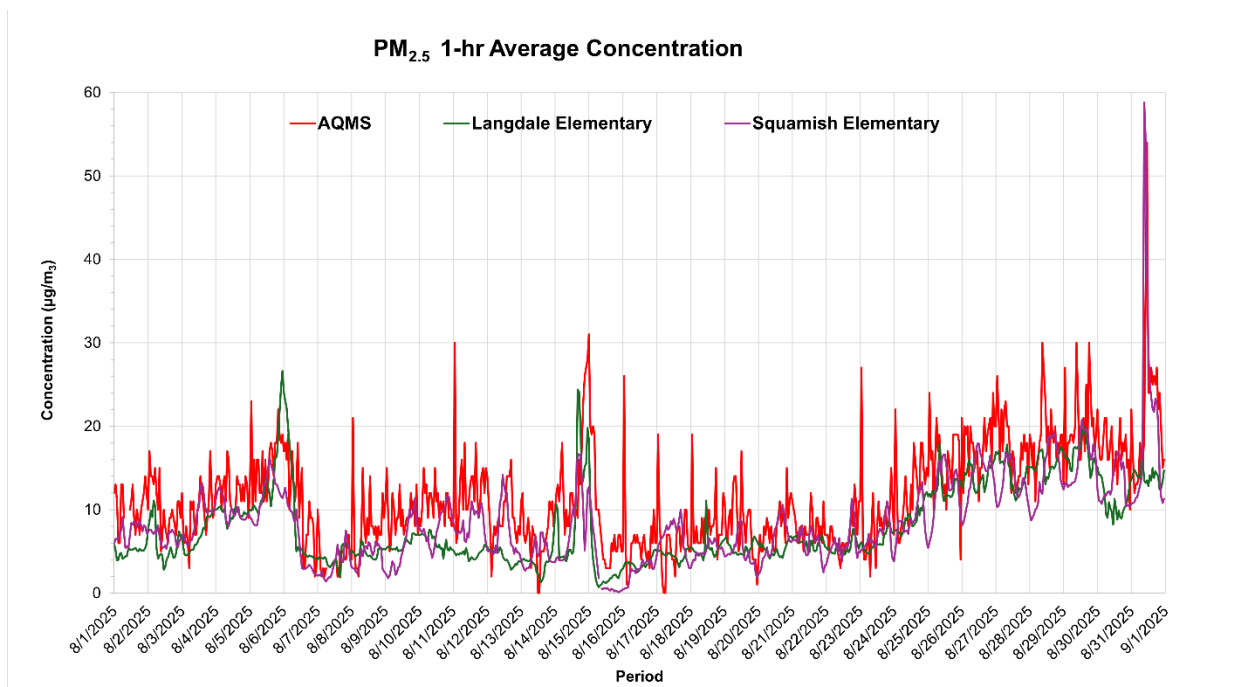


Figure A.2 Hourly PM_{2.5} Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during August 2025



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.3 Hourly PM₁₀ Concentrations Recorded at the AQMS, and the Langdale Regional Air Quality Station during August 2025

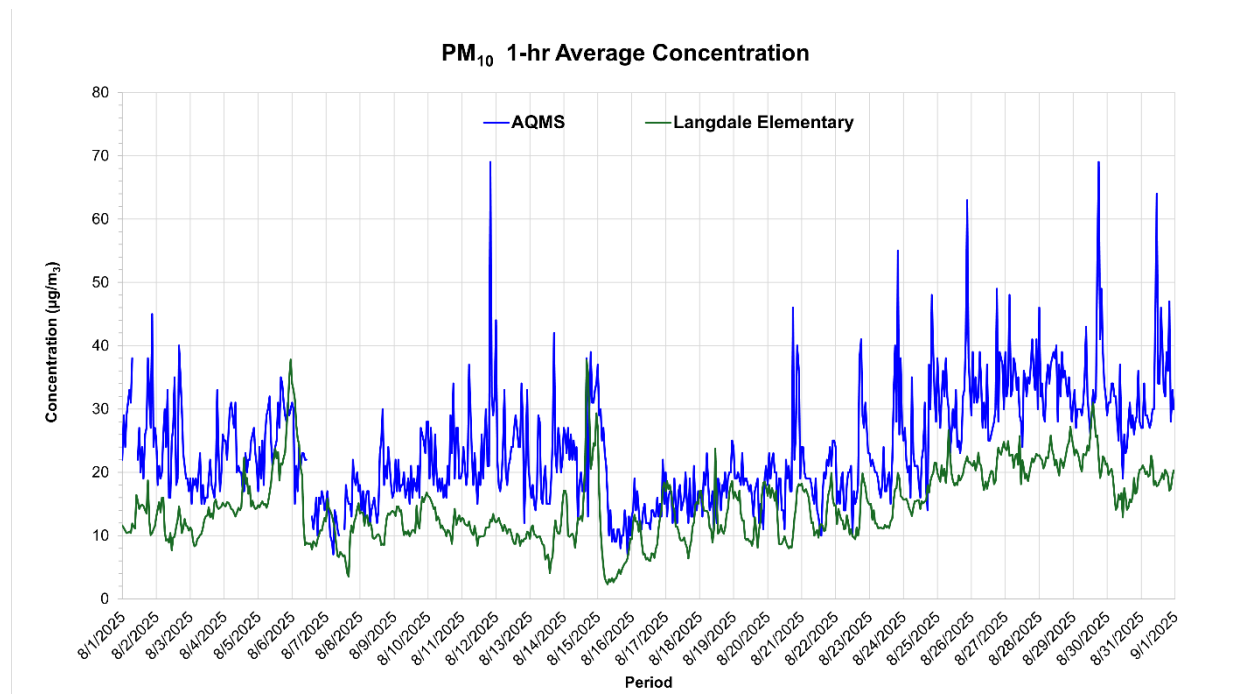
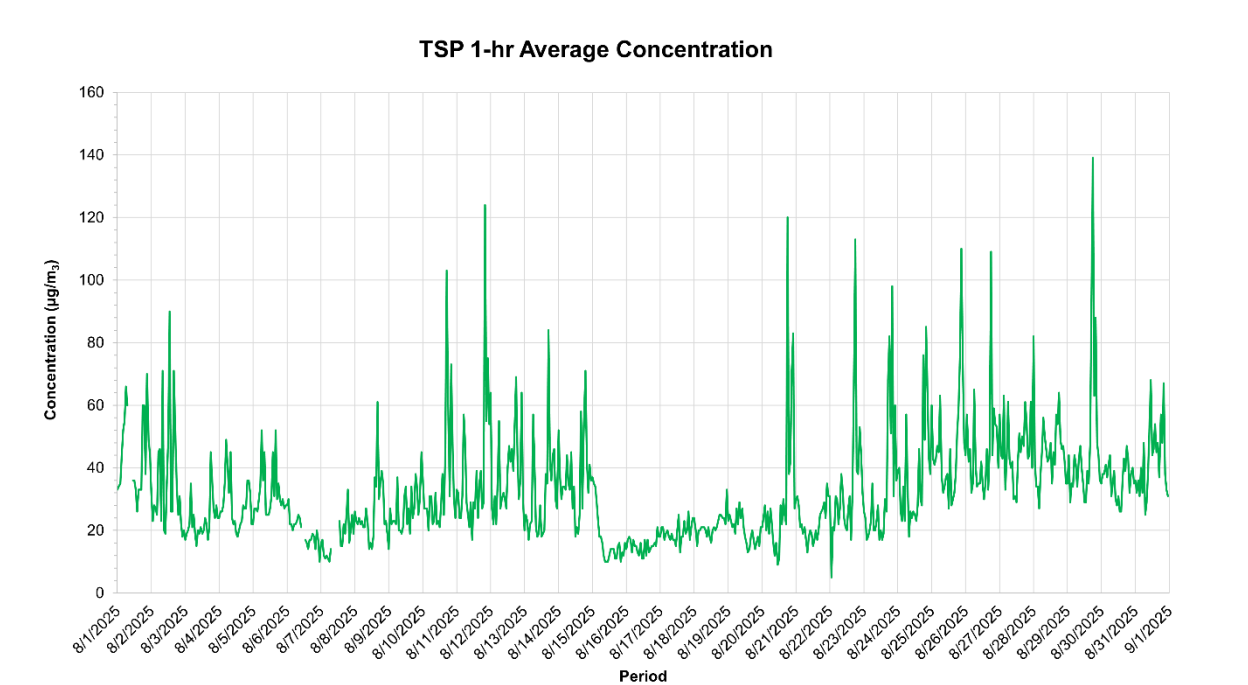


Figure A.4 Hourly TSP Concentrations Recorded at the AQMS during August 2025

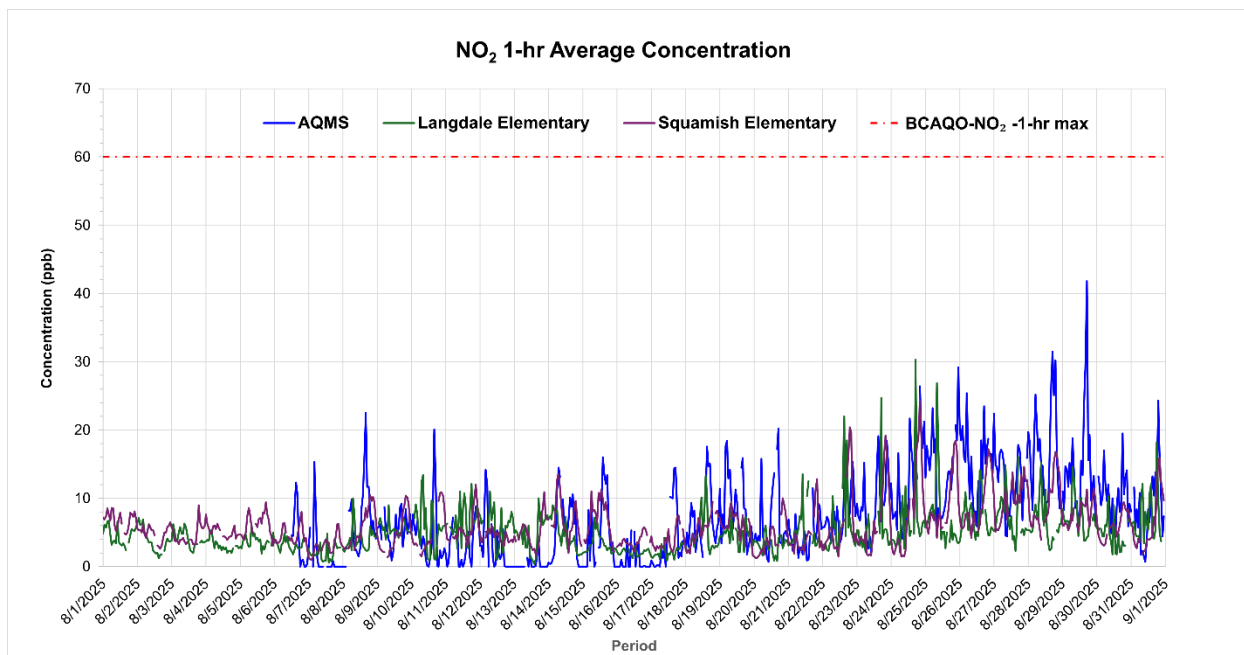


Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.5 Hourly NO₂ Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during August 2025



Note: NO₂ data for from August 1 at 00:00 hours to August 6 at 4:00 hours are invalid and is excluded from this report. The NO-NO₂-NO_x gas analyzer was recalibrated on August 6, 2025, between 5:00 and 12:00 hours.

Figure A.6 24-Hour Average PM Concentrations Recorded at the AQMS during August 2025

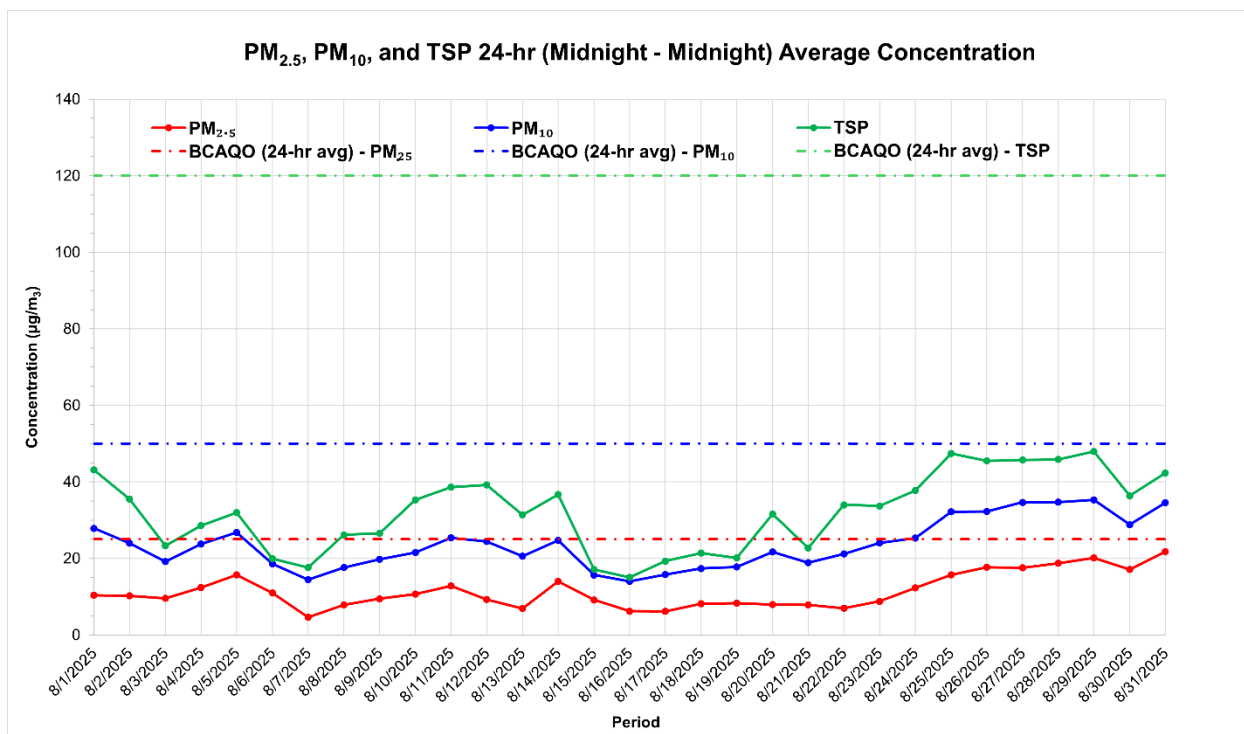


Figure A.7 24-Hour Average PM_{2.5} Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during August 2025

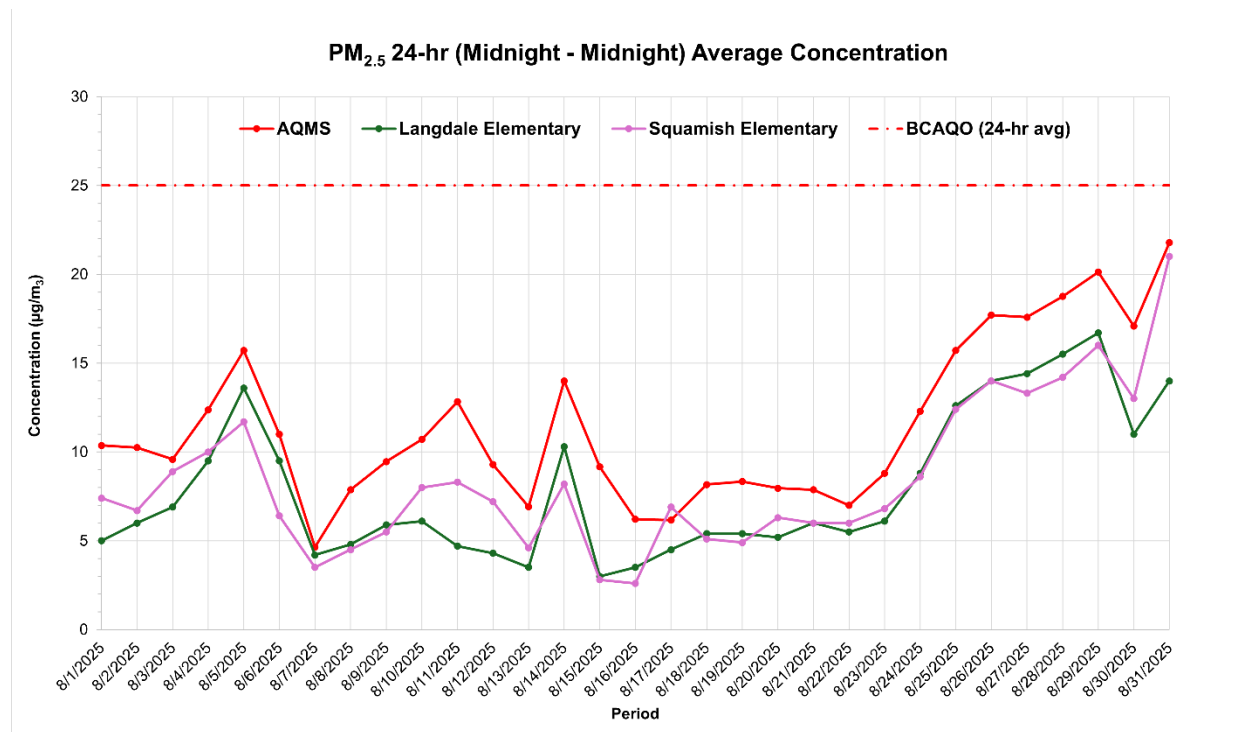
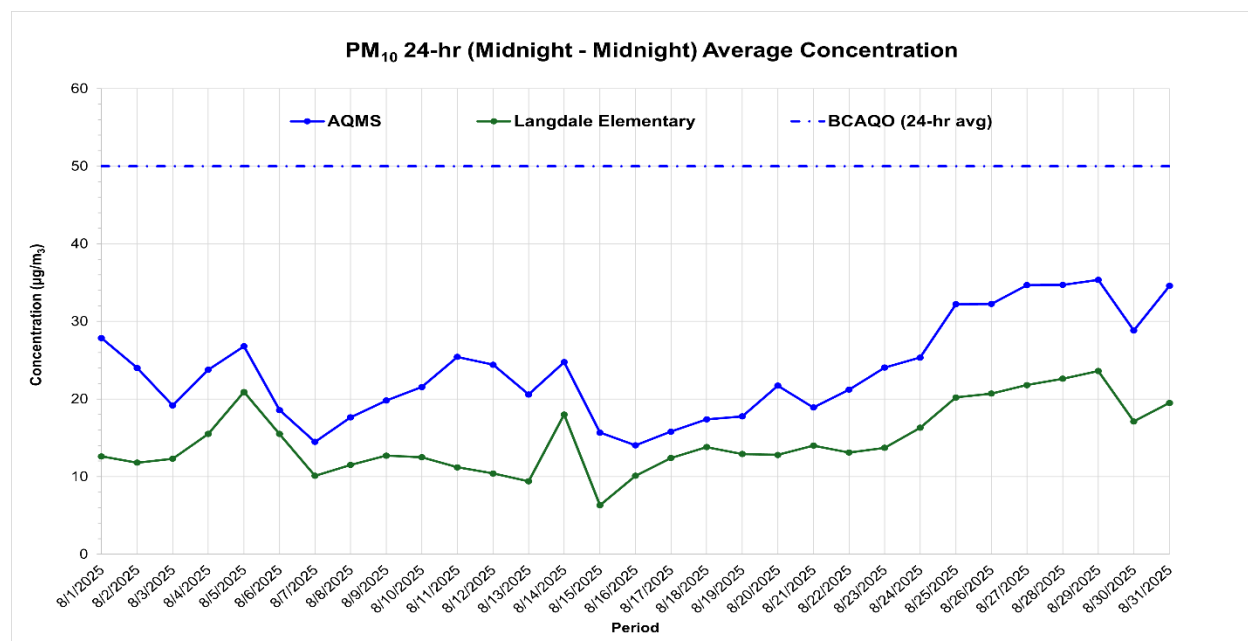


Figure A.8 24-Hour Average PM₁₀ Concentrations Recorded at the AQMS, and the Langdale Regional Air Quality Station during August 2025



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.9 24-Hour Average TSP Concentrations Recorded at the AQMS during August 2025

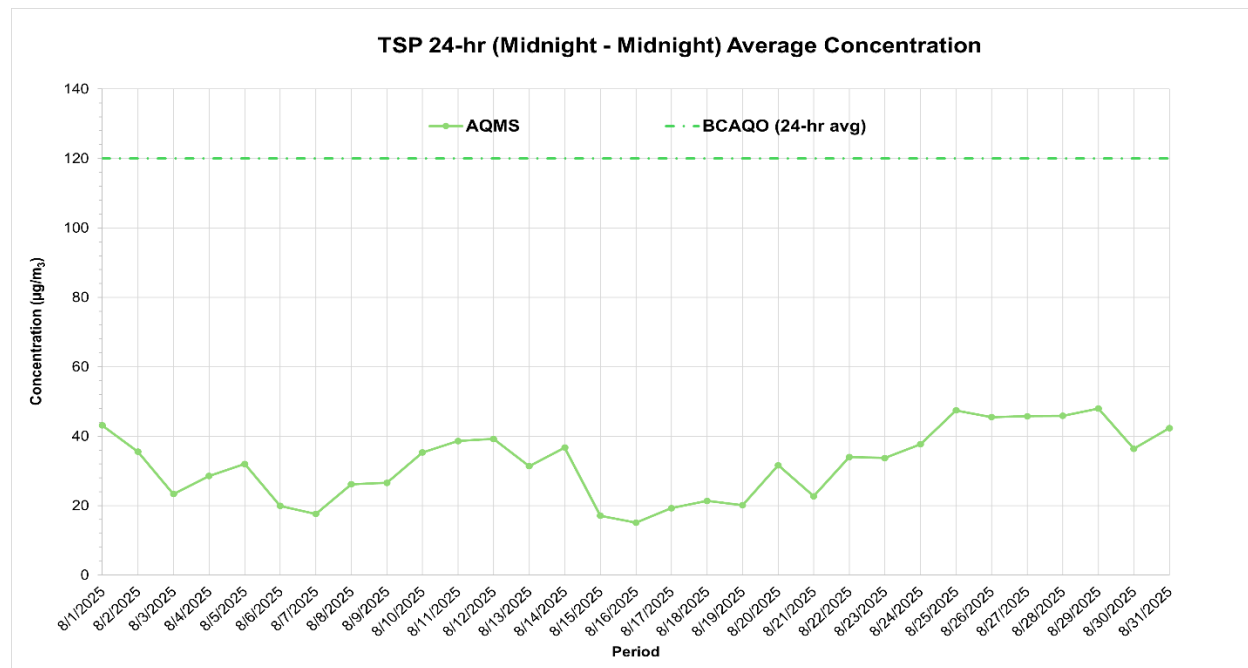
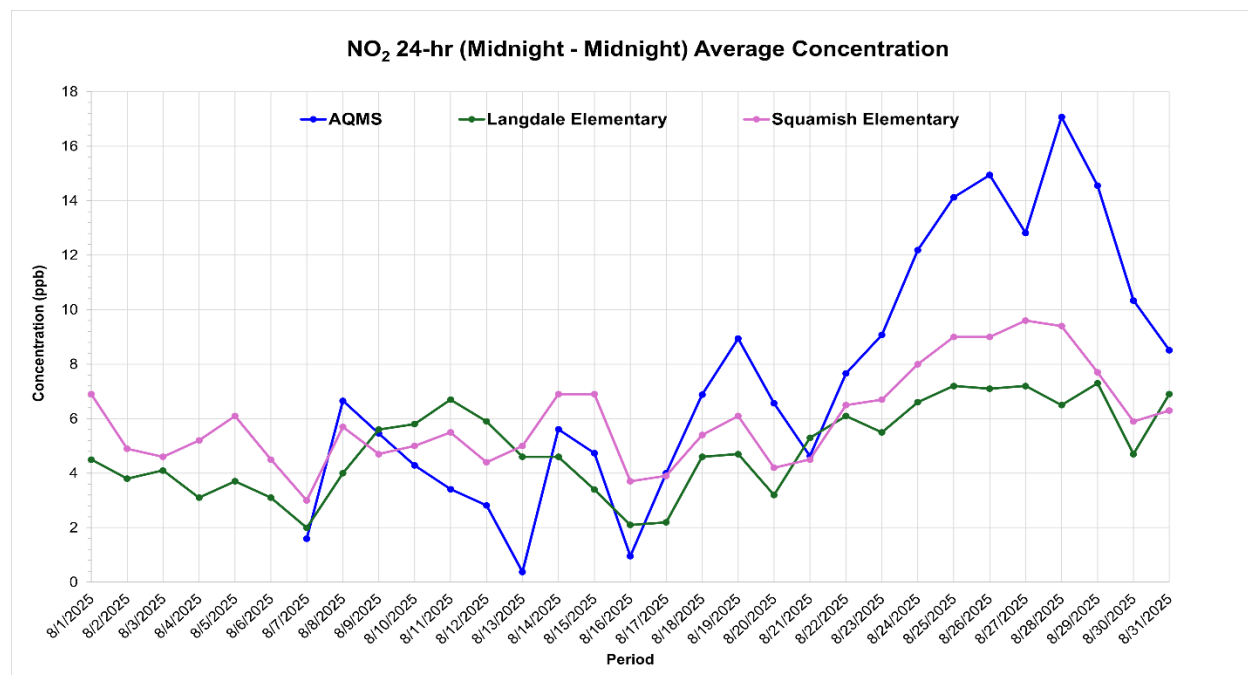


Figure A.10 24-Hour Average NO₂ Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during August 2025



Note: 24-hour average NO₂ data from August 1 to August 6, 2025, is invalid and is excluded from this report.



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.11 Daily Average and Maximum Wind Speed Recorded at the Woodfibre LNG Meteorology Station during August 2025

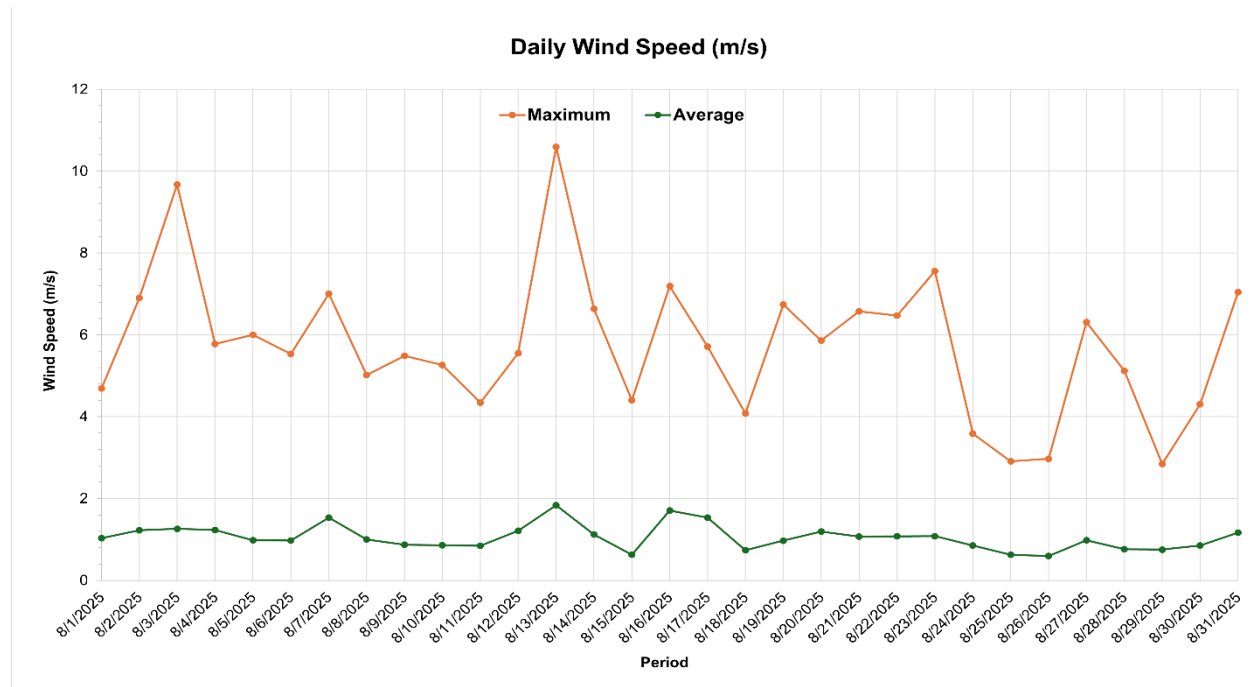
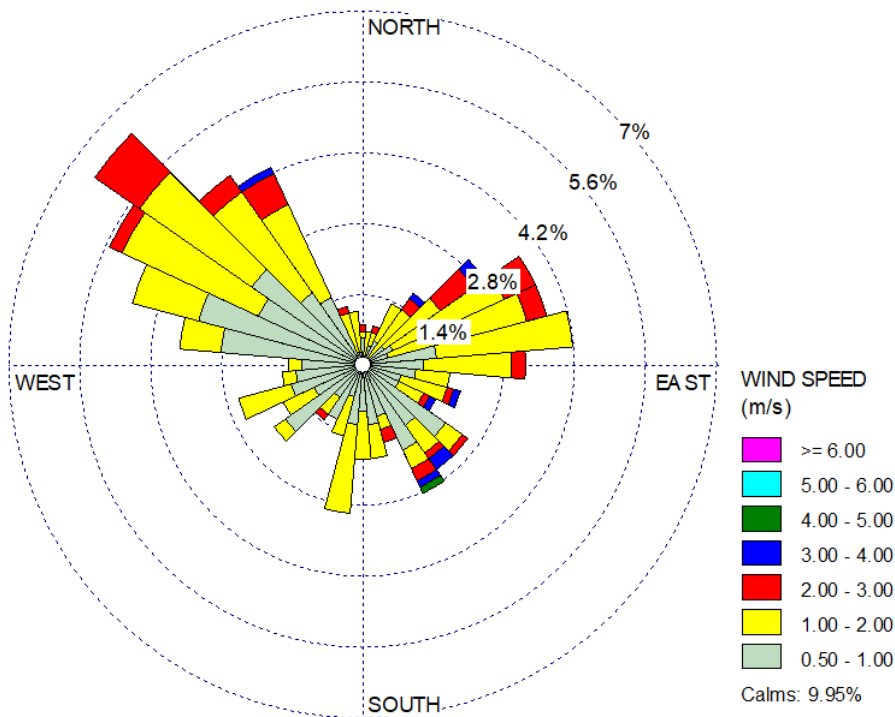


Figure A.12 Windrose for Woodfibre LNG Meteorology Station during August 2025

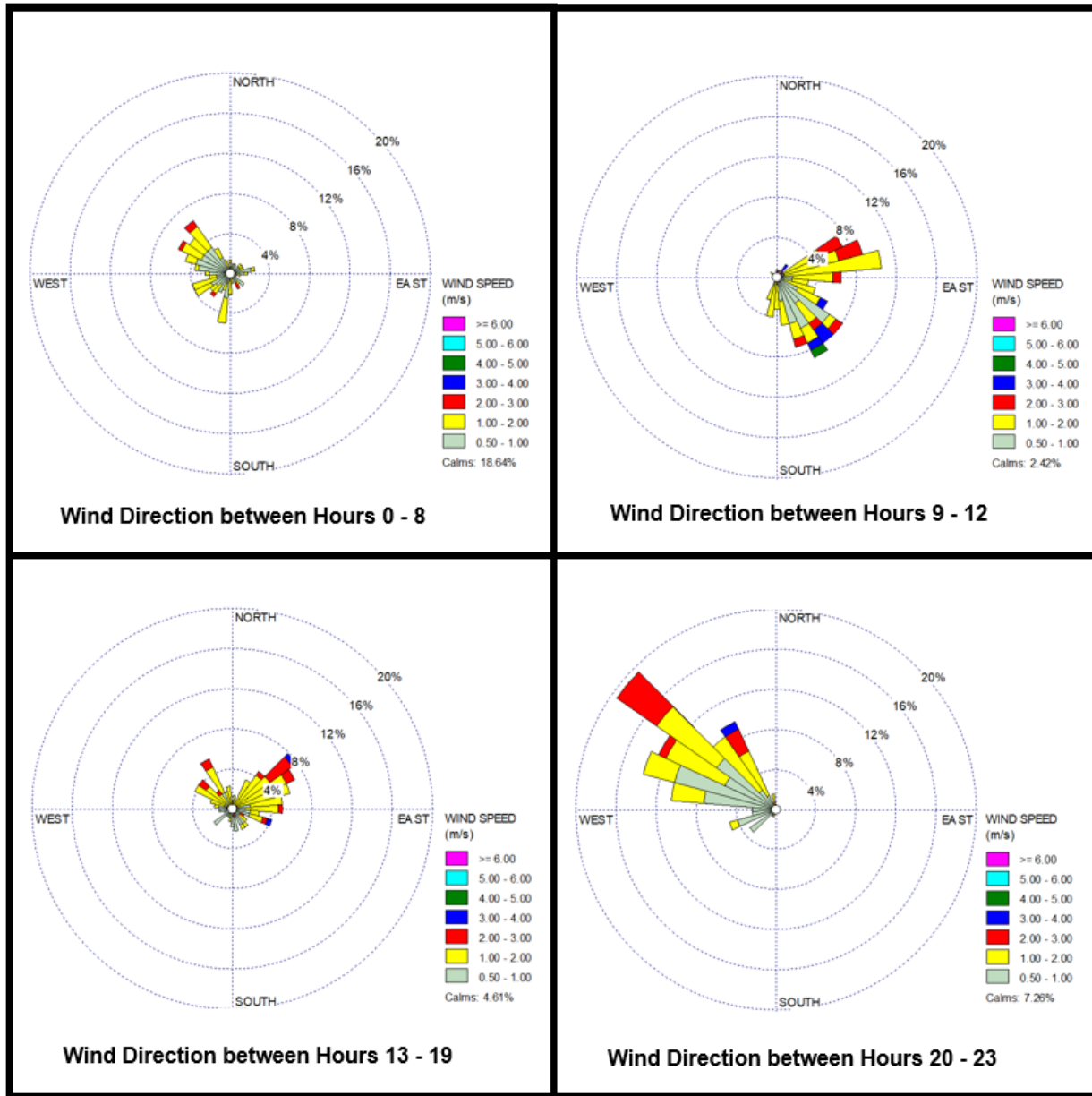


Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.13 Windrose for Woodfibre LNG Meteorology Station for the hours of 0000 - 0800, 0900 - 1200, 1300 - 1900, and 2000 - 2300 (August 2025)



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.14 Daily Average, Minimum, and Maximum Air Temperature Recorded at the Woodfibre LNG Meteorology Station during August 2025

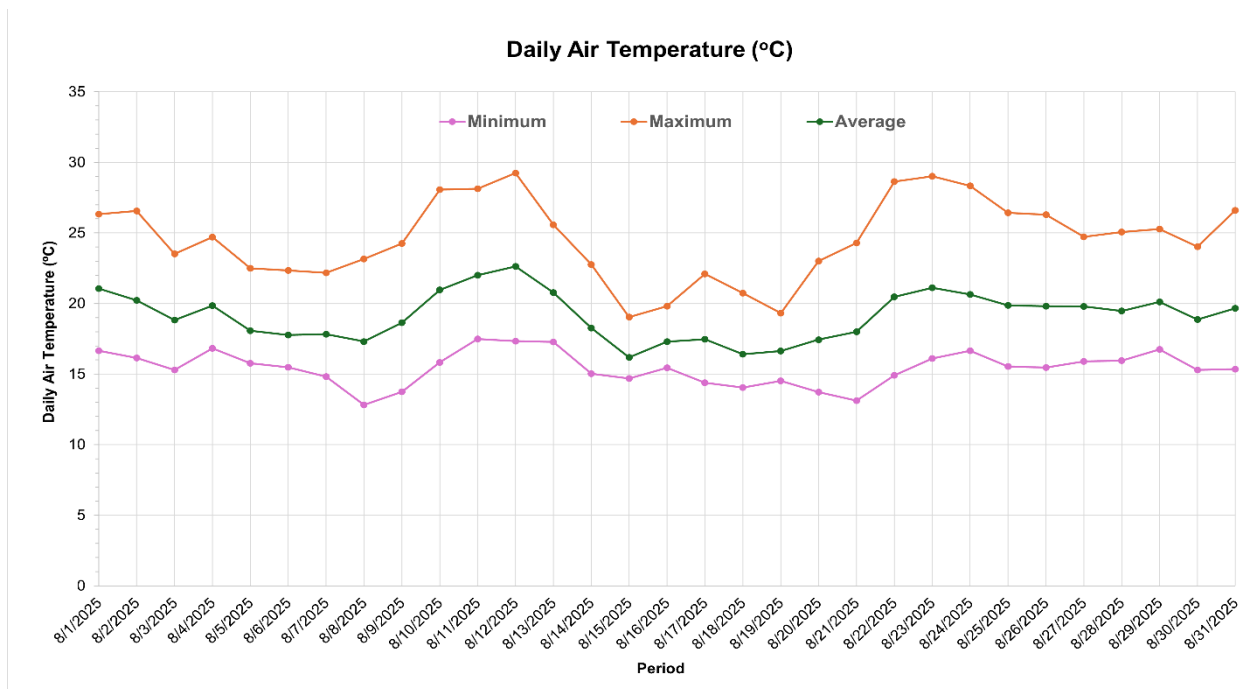
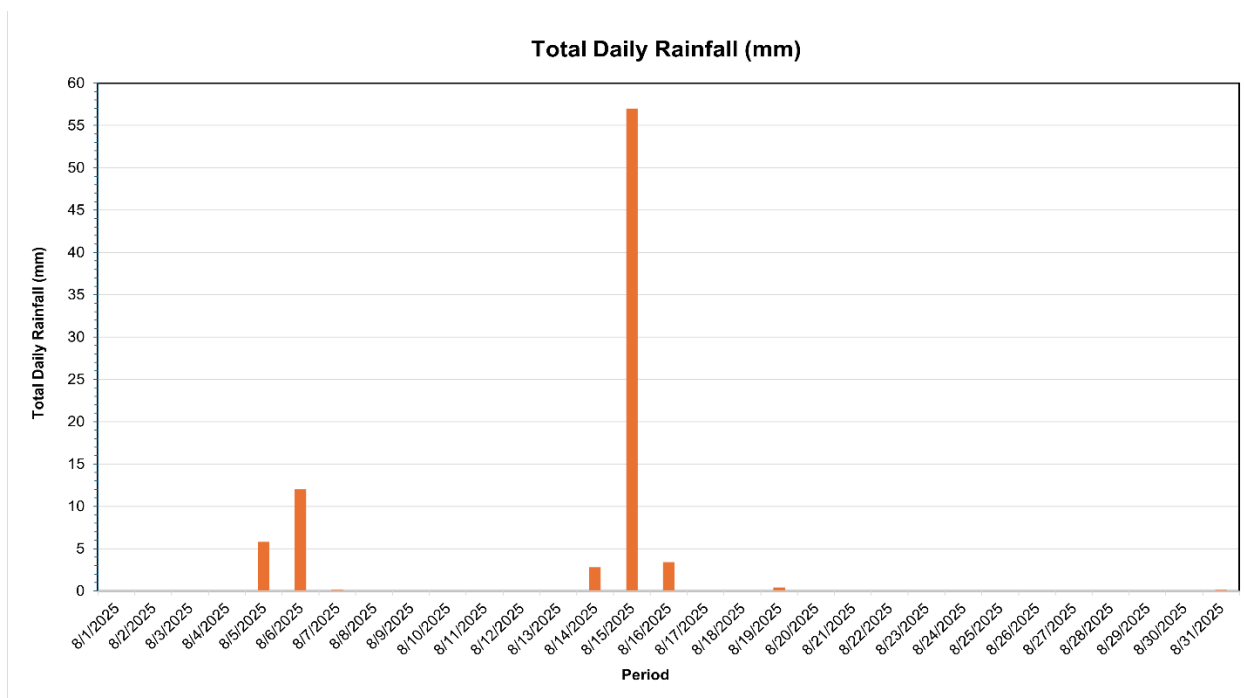


Figure A.15 Daily Rainfall Recorded at the Woodfibre LNG Meteorology Station during August 2025



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix A: Figures

September 29, 2025

Figure A.16 Daily Average, Minimum, and Maximum Relative Humidity Recorded at the Woodfibre LNG Meteorology Station during August 2025

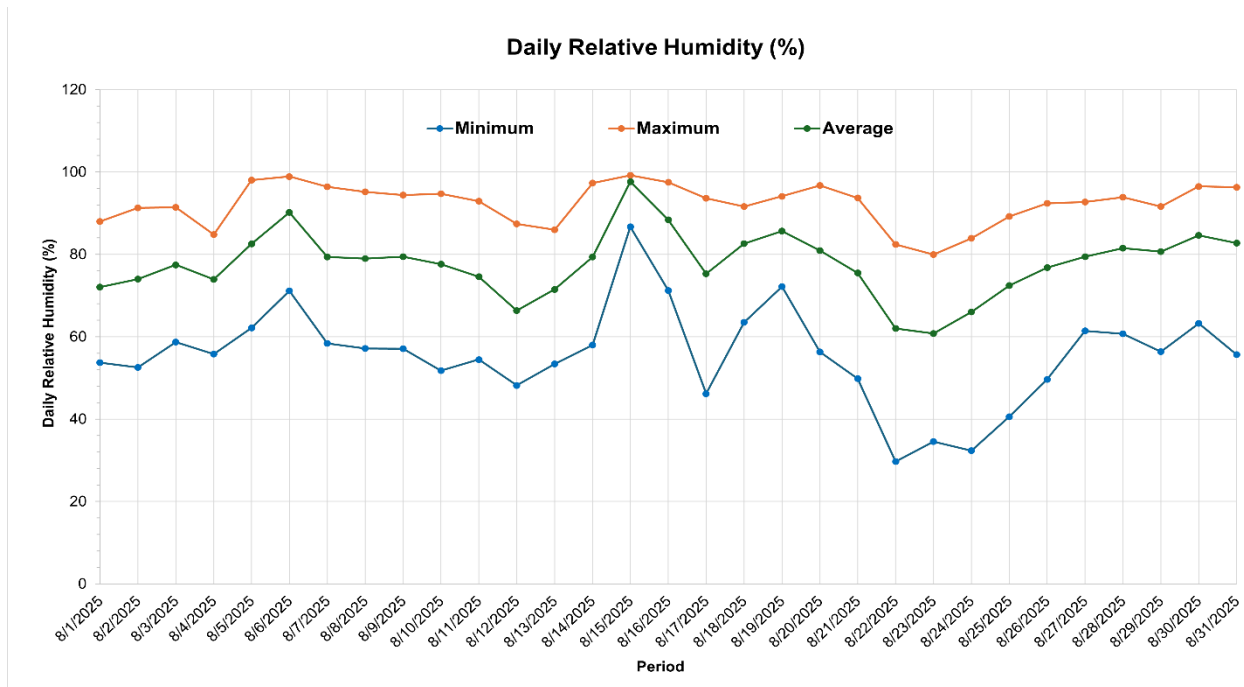
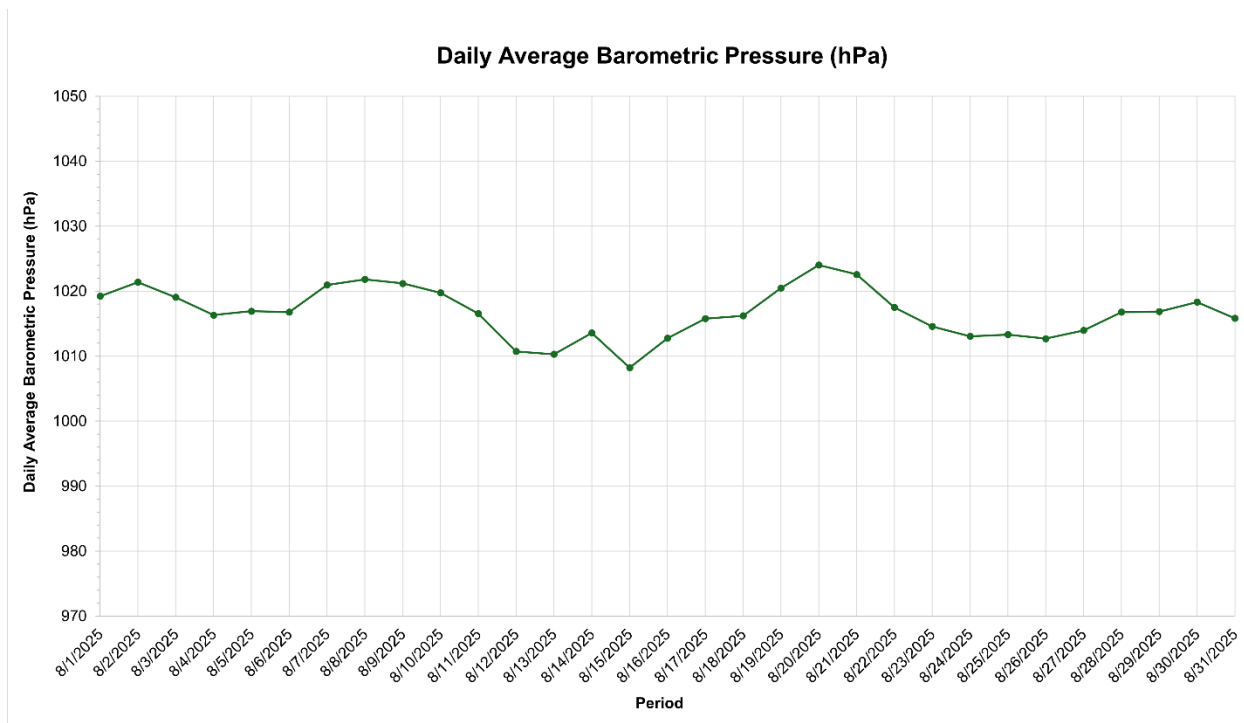


Figure A.17 Daily Average Barometric Pressure Recorded at the Woodfibre LNG Meteorology Station during August 2025



Appendix B Data Tables



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix B: Data Tables

September 29, 2025

Table B.1 Daily PM_{2.5}, PM₁₀, TSP, and NO₂ Concentrations Recorded at the AQMS for August 2025

Date	AQMS (24-hr Average)				AQMS (1-hr Max)
	PM _{2.5}	PM ₁₀	TSP	NO ₂	NO ₂
	µg/m ³	µg/m ³	µg/m ³	ppb	ppb
8/1/2025	10.4	27.9	43.1	— ^a	— ^a
8/2/2025	10.3	24.0	35.5	— ^a	— ^a
8/3/2025	9.6	19.2	23.3	— ^a	— ^a
8/4/2025	12.4	23.8	28.5	— ^a	— ^a
8/5/2025	15.7	26.8	32.0	— ^a	— ^a
8/6/2025	11.0	18.6	19.9	— ^a	— ^a
8/7/2025	4.6	14.5	17.6	1.6	15.3
8/8/2025	7.9	17.6	26.2	6.7	22.5
8/9/2025	9.5	19.8	26.6	5.5	9.2
8/10/2025	10.7	21.5	35.3	4.3	20.1
8/11/2025	12.8	25.4	38.6	3.4	8.8
8/12/2025	9.3	24.4	39.2	2.8	14.2
8/13/2025	6.9	20.6	31.4	0.4	3.7
8/14/2025	14.0	24.8	36.7	5.6	14.5
8/15/2025	9.2	15.7	17.1	4.7	16.0
8/16/2025	6.2	14.0	15.1	1.0	5.3
8/17/2025	6.2	15.8	19.3	4.0	14.5
8/18/2025	8.2	17.4	21.4	6.9	17.6
8/19/2025	8.3	17.8	20.1	8.9	18.4
8/20/2025	8.0	21.7	31.6	6.6	20.2
8/21/2025	7.9	18.9	22.7	4.6	11.5
8/22/2025	7.0	21.2	34.0	7.7	17.9
8/23/2025	8.8	24.0	33.7	9.1	19.1
8/24/2025	12.3	25.3	37.7	12.2	26.4
8/25/2025	15.7	32.2	47.4	14.1	29.2
8/26/2025	17.7	32.3	45.5	14.9	25.4
8/27/2025	17.6	34.7	45.8	12.8	22.4
8/28/2025	18.8	34.7	45.9	17.1	31.5
8/29/2025	20.1	35.3	48.0	14.6	41.8
8/30/2025	17.1	28.8	36.4	10.3	19.5
8/31/2025	21.8	34.6	42.3	8.5	24.3

Note

^a Data unavailable due to the NO–NO₂–NO_x analyzer (Thermo Fisher Scientific – Model 42i) being unable to provide valid data during this period.



Woodfibre LNG Air Quality Monitoring Station Report for August 2025

Appendix B: Data Tables

September 29, 2025

Table B.2 Daily Wind Speed, Air Temperature, Relative Humidity, Barometric Pressure, and Rainfall Recorded at the Woodfibre LNG Meteorology Station for August 2025

Date	Daily Wind Speed (m/s)		Daily Air Temperature (°C)			Daily Relative Humidity (%)			Daily Average Pressure (hPa)	Daily Total Rainfall (mm)
	Max	Avg	Min	Max	Avg	Min	Max	Avg		
8/1/2025	4.7	1.0	16.7	26.3	21.0	53.7	88.0	72.0	1019.2	0.0
8/2/2025	6.9	1.2	16.2	26.6	20.2	52.5	91.3	74.0	1021.4	0.0
8/3/2025	9.7	1.3	15.3	23.5	18.8	58.7	91.4	77.5	1019.1	0.0
8/4/2025	5.8	1.2	16.8	24.7	19.9	55.8	84.8	73.9	1016.3	0.0
8/5/2025	6.0	1.0	15.8	22.5	18.1	62.1	98.0	82.6	1016.9	5.8
8/6/2025	5.5	1.0	15.5	22.4	17.8	71.1	98.9	90.2	1016.8	12.0
8/7/2025	7.0	1.5	14.8	22.2	17.8	58.4	96.4	79.4	1020.9	0.2
8/8/2025	5.0	1.0	12.8	23.2	17.3	57.2	95.2	79.0	1021.8	0.0
8/9/2025	5.5	0.9	13.7	24.3	18.6	57.1	94.4	79.4	1021.2	0.0
8/10/2025	5.3	0.9	15.8	28.1	21.0	51.8	94.7	77.6	1019.7	0.0
8/11/2025	4.3	0.8	17.5	28.1	22.0	54.5	92.9	74.6	1016.6	0.0
8/12/2025	5.6	1.2	17.3	29.3	22.6	48.2	87.4	66.4	1010.7	0.0
8/13/2025	10.6	1.8	17.3	25.6	20.8	53.4	86.0	71.5	1010.3	0.0
8/14/2025	6.6	1.1	15.0	22.8	18.3	58.0	97.3	79.4	1013.6	2.8
8/15/2025	4.4	0.6	14.7	19.0	16.2	86.7	99.2	97.6	1008.2	57.0
8/16/2025	7.2	1.7	15.5	19.8	17.3	71.2	97.5	88.4	1012.8	3.4
8/17/2025	5.7	1.5	14.4	22.1	17.5	46.2	93.6	75.3	1015.8	0.0
8/18/2025	4.1	0.7	14.1	20.7	16.4	63.5	91.6	82.6	1016.2	0.0
8/19/2025	6.7	1.0	14.5	19.3	16.6	72.2	94.1	85.7	1020.5	0.4
8/20/2025	5.9	1.2	13.7	23.0	17.4	56.3	96.7	80.9	1024.0	0.0
8/21/2025	6.6	1.1	13.1	24.3	18.0	49.8	93.7	75.5	1022.6	0.0
8/22/2025	6.5	1.1	14.9	28.6	20.5	29.7	82.4	62.0	1017.5	0.0
8/23/2025	7.6	1.1	16.1	29.0	21.1	34.6	80.0	60.8	1014.6	0.0
8/24/2025	3.6	0.9	16.7	28.3	20.6	32.3	83.9	66.0	1013.1	0.0
8/25/2025	2.9	0.6	15.5	26.4	19.9	40.6	89.2	72.5	1013.3	0.0
8/26/2025	3.0	0.6	15.5	26.3	19.8	49.6	92.4	76.8	1012.7	0.0
8/27/2025	6.3	1.0	15.9	24.7	19.8	61.5	92.7	79.4	1014.0	0.0
8/28/2025	5.1	0.8	16.0	25.1	19.5	60.7	93.9	81.5	1016.8	0.0
8/29/2025	2.8	0.8	16.7	25.3	20.1	56.4	91.6	80.7	1016.9	0.0
8/30/2025	4.3	0.9	15.3	24.0	18.9	63.3	96.5	84.6	1018.3	0.0
8/31/2025	7.0	1.2	15.3	26.6	19.7	55.7	96.3	82.7	1015.8	0.2



Appendix C Station Calibration and Maintenance Record



Quality System Forms



AGAT

Laboratories

NO-NO₂-NO_x

Routine

Revision: 3.0

8/18/2025

Jgallwey

AMBIENT AIR ANALYZER CALIBRATION FORM

Instructions - Use this form to record calibration data and calculations. Choose the type of calibration using the drop down menu at the top of the sheet. Complete the site information and include equipment type and serial number (S/N). Fill in all relevant boxes and the acceptance criteria will determine if the calibration has passed or failed. If the calibration has failed make necessary correction and/or calibrate the instrument until the calibration passes.

Site Information

Company	Woodfibre LNG	Plant	Woodfibre LNG	Job #	N/A
Location	Woodfibre, BC	Date	August 6, 2025		
Start Time				5:30	7:15
Last Cal Date:				June 5, 2025	November 30, 2025

Calibrator & Monitor Information

Calibrator Information

Calibrator M/M	Sabio
Calibrator S/N	08500312R
Zero Air S/N	Zero Air Cylinder
Verification Date	21-Jan-25

Analyzer Information

Analyzer M/M	42i
Analyzer S/N	707120758
Detection Principle	Chemiluminescence

Calibration Standard

Calibration Standard	Type	ID Number	Expiry Date	NOx Conc.	NO Conc.	ppm ± 2% @	Tank Pressure
NO, NOx	Cylinder	T1WAR3G	1-May-26	51.33	50.84	35°C	1300 PSI
Analyzer Settings	Before Calibration	After Calibration	Calibrator Flow Measurement (sccm)				
Concentration Range ppb	0-500 ppb	0-500 ppb	Calibration Point	Average Cal Gas Flow	Total Flow	Average Dilution Air Flow	
Background ppb	7.2 / 7.2	7.5 / 8.4					
Coefficient	0.897 / 0.992	0.947 / 0.986					
Sample Flow cc/min	0.552	0.515					
Span Value NOx / NO2	335 / 325	349 / 336					
			Zero	0.0	5000.0	5000.0	
			High (100%)	49.1	5001.0	4951.9	
			Middle (60%)	29.5	5001.0	4971.5	
			Low (30%)	14.7	4999.0	4984.3	

Current Shelter Temp 22 °C
Current Barometric Pressure 763 mm/hg

Calibration Data - NO_x

	Stability Start	15- Minute	12- Minute	9- Minute	6- Minute	3- Minute	Average	Calculated Stability x ppb
As Found Zero	5:30	2.2	2.2	2.0	1.8	1.8	2.0	0.2
As Found Span	5:55	476.0	476.0	476.0	476.0	476.0	476.0	0.0
After Zero Adjust	6:15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
After Span Adjust - 1	6:35	503.0	503.0	502.0	502.0	503.0	502.6	0.5
After Span Adjust - 2	6:55	300.0	300.0	300.0	300.0	300.0	300.0	0.0
After Span Adjust - 3	7:15	150.5	150.5	150.6	150.4	150.4	150.5	0.1

	Dilution Air Flow Rate @ STP (corrected)	Calibration Gas Flow @ STP (corrected)	Calculated Conc. (Cc)	Analyzer Response	Correction Factor (Cc/Ci)	Point Error %	Slope Error (%)	Converted Data Response
Set point								
As Found Zero	1058	0.0	0.0	2.0	N/A	NA		2.0
As Found Span	1047	10.4	504.0	476.0	1.0587	-5.9%		476.0
After Zero Adjust	1058	0.0	0.0	-0.1	N/A	NA		-0.1
After Span Adjust - 1	1047	10.4	504.0	502.6	1.0027	-0.3%	0.1%	502.6
After Span Adjust - 2	1051	6.2	302.8	300.0	1.0093	-0.9%	0.8%	300.0
After Span Adjust - 3	1054	3.1	150.9	150.5	1.0031	-0.3%	0.3%	150.5

Intercept 0.371108
Correlation Coefficient 0.999980
Slope 0.997961

Calibration Data - NO

	Stability Start	15- Minute	12- Minute	9- Minute	6- Minute	3- Minute	Average	Calculated Stability x ppb
As Found Zero	5:30	-0.3	-0.3	-0.2	-0.3	-0.3	-0.3	0.0
As Found Span	5:55	479.0	479.0	479.0	479.0	480.0	479.2	0.4
After Zero Adjust	6:15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0
After Span Adjust - 1	6:35	503.0	503.0	503.0	503.0	504.0	503.2	0.4
After Span Adjust - 2	6:55	300.0	300.0	300.0	300.0	300.0	300.0	0.0
After Span Adjust - 3	7:15	150.8	150.9	151.1	150.9	150.8	150.9	0.1

Set point	Dilution Air Flow Rate @ STP (corrected)	Calibration Gas Flow @ STP (corrected)	Calculated Conc. (Cc)	Analyzer Response	Correction Factor (Cc/Ci)	Point Error %	Slope Error (%)	Converted Data Response
As Found Zero	1058	0.0	0.0	-0.3	N/A	NA		-0.3
As Found Span	1047	10.4	499.1	479.2	1.0416	-4.2%		479.2
After Zero Adjust	1058	0.0	0.0	-0.1	N/A	NA		-0.1
After Span Adjust - 1	1047	10.4	499.1	503.2	0.9919	0.8%	0.1%	503.2
After Span Adjust - 2	1051	6.2	299.9	300.0	0.9997	0.0%	0.9%	300.0
After Span Adjust - 3	1054	3.1	149.5	150.9	0.9907	0.9%	0.1%	150.9

Intercept	0.324079
Correlation Coefficient	0.999969
Slope	1.008225

Calibration Data - NO₂

	Stability Start	15- Minute	12- Minute	9- Minute	6- Minute	3- Minute	Average	Calculated Stability x ppb
15 min ref	7:45	1.0	1.0	1.0	0.0	0.0	0.6	0.5
400	8:00	403.0	403.0	403.0	404.0	405.0	403.6	0.8
300	8:15	314.0	314.0	314.0	315.0	315.0	314.4	0.5
150	8:30	212.0	212.0	213.0	213.0	213.0	212.6	0.5

Set point	Nox Response	NO Response	NO2 Calculated Conc.	NO2 Analyzer Conc.	Correction Factor (Cc/Ci)	Slope Error (%)	Converted Data Response
15 Min Reference	502.0	501.0	314.0	1.0	N/A	NA	0.6
Adjusted GPT 400 O3	489.0	86.0	403.0	403.0	1.0000	-0.1%	403.6
GPT 2 (200 cc O3)	487.0	173.0	314.0	314.0	1.0000	-0.1%	314.4
GPT 3 (150 cc O3)	488.0	276.0	212.0	213.0	0.9953	0.0%	212.6
Zero	0.1	0.2	-0.1	-0.1	N/A	NA	1.2

Intercept	-0.300186
Correlation Coefficient	0.999999
Slope	0.999953

Converter efficiency	100%
----------------------	------

Acceptance Criteria - From Part B1 Ambient Air Quality Monitoring BC Field Sampling Manual

		NO _x	NO	NO ₂
1) Instrument is adjusted to give a correction factor (Ccalculated / Cindicated) as close to 1.0 as possible.	As Found Span vs. Expected	-5.9%	-4.2%	-0.1%
		PASS	PASS	PASS
2) Each calibration point must be within ±10% of the expected criteria	After Span Adjust - 1	0.1%	0.1%	-0.1%
		PASS	PASS	PASS
3) As found calibration point must be within ±10% of the expected criteria	After Span Adjust - 2	0.8%	0.9%	-0.1%
		PASS	PASS	PASS
4) Analyzer must run within ±10% of the manufacturer's specifications	After Span Adjust - 3	0.3%	0.1%	0.0%
		PASS	PASS	PASS
5) Slope must be ≥ 0.90 and ≤ 1.10	Slope	0.998	1.008	1.000
		PASS	PASS	PASS
6) Intercept must be = 3% of full range of analyzer	Intercept	0.37	0.32	-0.30
		PASS	PASS	PASS
7) Correlation coefficient must be = 0.9950	Correlation	1.000	1.000	1.000
8) Converter efficiency 96-104%		PASS	PASS	PASS
NO _x	According to BC MOE Guidelines this calibration has PASSED			
NO	According to BC MOE Guidelines this calibration has PASSED			
NO ₂	According to BC MOE Guidelines this calibration has PASSED			
Calibration Performed by: Brad Moyles				
Comments: Routine Calibration				

NOx - NO - NO2 Least Squares Calculations

Company: Woodfibre LNG

Date: 6-Aug-25

Analyzer: 42i

Units: ppb

Conc. Range: 0 - 500

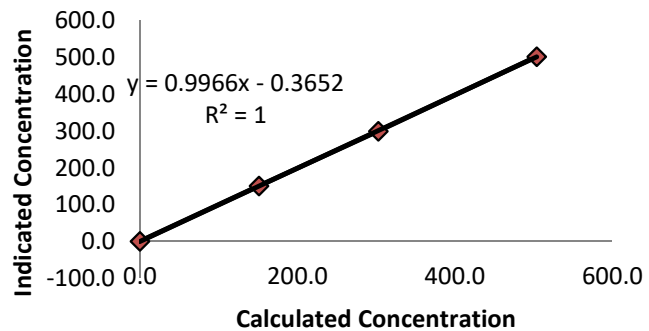
Location: Woodfibre, BC

Job Number: N/A

NOx	
Calculated Concentration	Converted Data Response
504.0	502.6
302.8	300.0
150.9	150.5
0.0	-0.1

Slope 0.9980
Intercept 0.3711
Correlation 1.0000

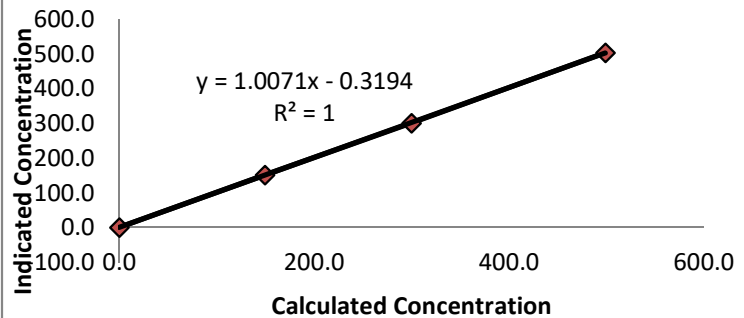
Calculated Conc. Vs. Indicated Conc.



NO	
Calculated Concentration	Converted Data Response
499.1	503.2
299.9	300.0
149.5	150.9
0.0	-0.1

Slope 1.0082
Intercept 0.3241
Correlation 1.0000

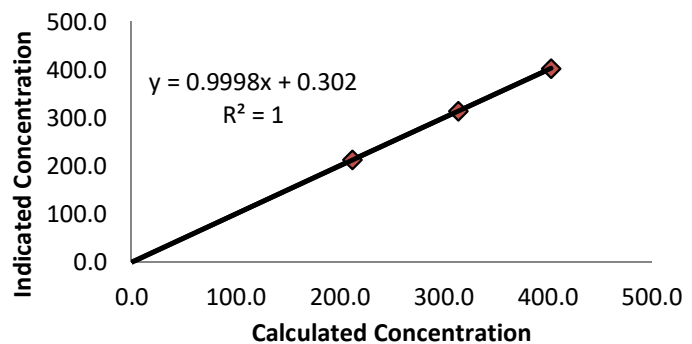
Calculated Conc. Vs. Indicated Conc.



NO ₂	
NO Decrease	NO ₂ increase
403.0	403.0
314.0	314.0
212.0	213.0
-0.1	-0.1

Slope 1.0000
Intercept -0.3002
Correlation 1.0000

Calculated Conc. Vs. Indicated Conc.



**AGAT**

Laboratories

Analyzer Maintenance Log

Thermo Scientific 450i/43i/42i/45C/43C

Maintenance Item	Frequency Due	Completed (Y/N)	Date Last Completed	Date of Next Check/Service
In-line particulate filter changeout	Bi-Monthly	Y	8/6/2025	10/30/2025
Visual inspection and cleaning (loose connectors and fittings, cracked/clogged Teflon lines, excessive dirt and dust inside)	Bi-Monthly	Y	8/6/2025	10/30/2025
Leak test	Bi-Monthly	Y	8/6/2025	10/30/2025
Fan filter inspection and cleaning	Bi-Monthly	Y	8/6/2025	10/30/2025
Analyzer pump check (flow check) and replacement	Annually	Y	8/6/2025	8/30/2026
Perm tube check (stability) and replacement	Annually	Y	8/6/2025	8/30/2026
Zero charcoal replaced	Annually	Y	8/6/2025	8/30/2026
SO2 scrubber beads replaced - 450i/45C ONLY	NA	NA	NA	NA
Inspect and replace spent absorbent material (Drierite, silica gel) - 42i ONLY	NA	NA	NA	NA



Station	Woodfibre LNG		Project #	N/A		
Date	August 6, 2025	Time In	6:00	Time Out	16:00	
Weather Conditions	Cloudy, light Rain			Technician On Site	BM	

LOG DETAILS

Routine Calibration

As Finds NO, Nox

NO2 GPT

GPT As Found = PASS

Converter Efficiency 100%

Calibration:

Point 1, 2, 3 = PASS

INTERNAL Z/S

INTERNAL Z/S

Meteorological checks (DRDAS vs Actual)

AT ($\Delta^{\circ}\text{C}$)	NA	ST ($\Delta^{\circ}\text{C}$)	NA	WS ($\Delta\text{km/h}$)	1	WD	okay
Visual check	Y	Visual check	Y	Cups turning	Y	Vane free	Y
Calibrated	NA	Calibrated	NA	Calibrated	NA	Calibrated	NA

Station Checklist

Flagged in/out of Calibration Mode	Y	Sample Lines Reconnected	Y
Manifold Flow Check	Y	Manifold Clean	Y
Replaced Sample Filters	Y	PC Fan Running	Y
UPS Systems Functioning	Y	Station Housekeeping	Y
Data Backed Up and Polling Active	Y	Monitor Off	Y
Check DR DAS Date/Time	Y	HVAC Check	Y

		TSP Audit	
Date:	August 7, 2025	Audit Reference Instruments	
Client:	Woodfibre LNG	Make/Model	Serial Number
Location:	Woodfibre, BC	TriCal Flow Device	188
Technician:	Brad Moyles	CNX +3000 Fluke	2445002
Method:	Beta Attenuation Mass Monitor	RH/BP/Temp Sensor	181250070
Make:	Met One	Audit Criteria:	
Model:	BAM 1020	Leak Check (<1.5 L/min):	0.40 PASS
Serial number:	A12386	Sample Flow (±4% of 16.7 L/min):	16.64 PASS
Parameter:	TSP	Ambient Temperature (±2 °C):	-0.40 PASS
Operating Range:	1000 ug/m³	Ambient Pressure (±10 mmHg):	0.00 PASS
	8:40	Ambient RH Error (±10%):	5.07% PASS
Finish Time:	9:41	Audit Results: PASS	
Instrument Verification			
Sample Flow	Target (L/min)	Actual (Reference Standard)	Error (%)
Leak Check	<1.5	0.40	
Flow Check	16.7	16.65	0.3%
Ambient Temperature:	°C	Ambient Pressure:	mmHg
Ambient Temperature (Reference)	21.5	Ambient Pressure (Reference)	763
Ambient Temperature (Analyzer)	21.1	Ambient Pressure (Analyzer)	763
As-Left Diagnostics		filter RH:	%
Flow Rate:	16.65 L/min	Ambient Humidity (Reference)	55.2
Ambient Temperature:	21.5 °C	Ambient Humidity (Analyzer)	58
Barometric Pressure:	766 mmHg		
Tape Pressure:	mmHg		
Filter Relative Humidity:	43 %		
Filter Temperature:	22.1 °C		
Smart Inlet Heater Status:	On		
Measurement Cycle Time:	42 mins		
Background Zero:	0 %		
Analyzer Time:	10:00		
PC Time:	10:00		
Analyzer Date:	7-Aug		
PC Date:	7-Aug		

			PM ₁₀ Audit		
Date:	August 6, 2025		Audit Reference Instruments		
Client:	Woodfibre LNG		Make/Model	Serial Number	Date Last Calibrated
Location:	Woodfibre, BC		TriCal Flow Device	188	4/8/2025
Technician:	Brad Moyles		CNX +3000 Fluke	2445002	5/26/2025
Method:	Beta Attenuation Mass Monitor		RH/BP/Temp Sensor	181250070	5/26/2025
Make:	Met One		Audit Criteria:		
Model:	BAM 1020				
Serial number:	W22222		Leak Check (<1.5 L/min):	0.50	PASS
Parameter:	PM ₁₀		Sample Flow (±4% of 16.7 L/min):	16.66	PASS
Operating Range:	1000 ug/m ³		Ambient Temperature (±2 °C):	0.00	PASS
			Ambient Pressure (±10 mmHg):	0.00	PASS
			Ambient RH Error (±10%):	0.01	PASS
Start Time:	11:20				
Finish Time:	11:50				
			Audit Results: PASS		
Instrument Verification					
Sample Flow	Target (L/min)				Error (%)
Leak Check	<1.5		0.50		
Flow Check	16.7		16.66		0.2%
Ambient Temperature:		°C	Ambient Pressure:		mmHg
Ambient Temperature (Reference)		21.2	Ambient Pressure (Reference)		763
Ambient Temperature (Analyzer)		23	Ambient Pressure (Analyzer)		763
As-Left Diagnostics			filter RH: %		
Flow Rate:	16.66	L/min	Ambient Humidity (Reference)		57.6
Ambient Temperature:	19.7	°C	Ambient Humidity (Analyzer)		58
Barometric Pressure:	763	mmHg			
Tape Pressure:	27.1	mmHg			
Filter Relative Humidity:	57.6	%			
Filter Temperature:	27	°C			
Smart Inlet Heater Status:	ON				
Measurement Cycle Time:	42	mins			
Background Zero:	0.0	%			
Analyzer Time:	12:00				
PC Time:	12:00				
Analyzer Date:	6-Aug				
PC Date:	6-Aug				

			PM ₁₀ Audit		
Date:	August 7, 2025		Audit Reference Instruments		
Client:	Woodfibre LNG		Make/Model	Serial Number	Date Last Calibrated
Location:	Woodfibre, BC		TriCal Flow Device	188	4/8/2025
Technician:	Brad Moyles		CNX +3000 Fluke	2445002	5/26/2025
Method:	Beta Attenuation Mass Monitor		RH/BP/Temp Sensor	181250070	5/26/2025
Make:	Met One		Audit Criteria:		
Model:	BAM 1020				
Serial number:	W22222		Leak Check (<1.5 L/min):	0.40	PASS
Parameter:	PM ₁₀		Sample Flow (±4% of 16.7 L/min):	16.69	PASS
Operating Range:	1000 ug/m ³		Ambient Temperature (±2 °C):	0.00	PASS
			Ambient Pressure (±10 mmHg):	0.00	PASS
			Ambient RH Error (±10%):	0.01	PASS
Start Time:	10:40				
Finish Time:	11:20				
			Audit Results: PASS		
Instrument Verification					
Sample Flow	Target (L/min)				Error (%)
Leak Check	<1.5		0.40		
Flow Check	16.7		16.69		0.1%
Ambient Temperature:		°C	Ambient Pressure:		mmHg
Ambient Temperature (Reference)		25.7	Ambient Pressure (Reference)		767
Ambient Temperature (Analyzer)		21.6	Ambient Pressure (Analyzer)		766
As-Left Diagnostics			filter RH: %		
Flow Rate:	16.69	L/min	Ambient Humidity (Reference)		57.6
Ambient Temperature:	25.7	°C	Ambient Humidity (Analyzer)		58
Barometric Pressure:	767	mmHg			
Tape Pressure:	27.1	mmHg			
Filter Relative Humidity:	57.6	%			
Filter Temperature:	27	°C			
Smart Inlet Heater Status:	ON				
Measurement Cycle Time:	42	mins			
Background Zero:	0.0	%			
Analyzer Time:	12:00				
PC Time:	12:00				
Analyzer Date:	7-Aug				
PC Date:	7-Aug				

			PM _{2.5} Audit		
Date:	August 7, 2025		Audit Reference Instruments		
Client:	Woodfibre LNG		Make/Model	Serial Number	Date Last Calibrated
Location:	Woodfibre, BC		TriCal Flow Device	188	4/8/2025
Technician:	Brad Moyles		CNX +3000 Fluke	2445002	5/26/2025
Method:	Beta Attenuation Mass Monitor		RH/BP/Temp Sensor	181250070	5/26/2025
Make:	Met One		Audit Criteria:		
Model:	BAM 1020				
Serial number:	U11269		Leak Check (<1.5 L/min):	0.40	PASS
Parameter:	PM2.5		Sample Flow (±4% of 16.7 L/min):	16.73	PASS
Operating Range:	1000 ug/m ³		Ambient Temperature (±2 °C):	-2.00	PASS
			Ambient Pressure (±10 mmHg):	-2.00	PASS
			Ambient RH Error (±10%):	0.61%	PASS
Start Time:	7:40				
Finish Time:	8:30				
			Audit Results: PASS		
Instrument Verification					
Sample Flow	Target (L/min)		Actual (Reference Standard)		Error (%)
Leak Check	<1.5		0.40		
Flow Check	16.7		16.73		0.2%
Ambient Temperature:		°C	Ambient Pressure:		mmHg
Ambient Temperature (Reference)		19.7	Ambient Pressure (Reference)		766
Ambient Temperature (Analyzer)		17.7	Ambient Pressure (Analyzer)		764
As-Left Diagnostics			filter RH: %		
			Ambient Humidity (Reference)		65.6
			Ambient Humidity (Analyzer)		66
Flow Rate:	16.73	L/min			
Ambient Temperature:	19.7	°C			
Barometric Pressure:	766	mmHg			
Tape Pressure:	766	mmHg			
Filter Relative Humidity:	36.9	%			
Filter Temperature:	25.7	°C			
Smart Inlet Heater Status:	ON				
Measurement Cycle Time:	50	mins			
Background Zero:	0.0	%			
Analyzer Time:	9:00				
PC Time:	9:00				
Analyzer Date:	7-Aug				
PC Date:	7-Aug				

**TSP Maintenance Log****TO BE COMPLETED/UPDATED MONTHLY**

Maintenance Item	Frequency Due	Completed (Y/N)	Date Last Completed	Next Service Date
Nozzle and vane cleaning	2 Months	Y	8/7/2025	11/30/2025
Leak check	2 Months	Y	8/7/2025	11/30/2025
Flow system check	2 Months	Y	8/7/2025	11/30/2025
Clean capstan shaft and pinch roller	2 Months	Y	8/7/2025	11/30/2025
Thoroughly clean inlet	2 Months	Y	8/7/2025	11/30/2025
Download and save digital data and error log	2 Months	Y	8/7/2025	11/30/2025
Compare digital data to analog data	2 Months	Y	8/7/2025	11/30/2025
Check and set clock	2 Months	Y	8/7/2025	11/30/2025
Replace filter tape	2 Months	Y	8/7/2025	11/30/2025
Run SELF TEST	2 Months	Y	8/7/2025	11/30/2025
Download and verify settings file	2 Months	Y	8/7/2025	11/30/2025
Flow system audit and calibration	2 Months	Y	8/7/2025	11/30/2025
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	8/7/2025	11/30/2025
Replace or clean pump muffler	12 Months	N	NA	NA
Test smart heater	24 Months	Y	8/7/2025	8/30/2027
Perform 72-hour BKGD test	12 Months	N	NA	NA
Clean internal debris filter	12 Months	Y	8/7/2025	8/30/2026
Remove and check membrane span foil	12 Months	N	NA	NA
Beta detector count rate and dark count test	12 Months	N	NA	NA
Clean vertical inlet tube	12 Months	Y	8/7/2025	8/30/2026
Test analog DAC output if necessary	12 Months	N	NA	NA
Replace lithium battery if necessary	12 Months	N	NA	NA
Rebuild vacuum pump	24 Months	N	NA	NA
Replace nozzle o-ring	24 Months	N	NA	NA
Replace pump tubing if necessary	24 Months	N	NA	NA



PM₁₀ Maintenance Log

TO BE COMPLETED/UPDATED MONTHLY

Maintenance Item	Frequency Due	Completed (Y/N)	Date Last Completed	Next Service Date
Nozzle and vane cleaning	2 Months	Y	8/6/2025	11/30/2025
Leak check	2 Months	Y	8/6/2025	11/30/2025
Flow system check	2 Months	Y	8/6/2025	11/30/2025
Clean capstan shaft and pinch roller	2 Months	Y	8/6/2025	11/30/2025
Thoroughly clean inlet and particle trap	2 Months	Y	8/6/2025	11/30/2025
Download and save digital data and error log	2 Months	Y	8/6/2025	11/30/2025
Compare digital data to analog data	2 Months	Y	8/6/2025	11/30/2025
Check and set clock	2 Months	Y	8/6/2025	11/30/2025
Replace filter tape	2 Months	Y	8/6/2025	11/30/2025
Run SELF TEST	2 Months	Y	8/6/2025	11/30/2025
Download and verify settings file	2 Months	Y	8/6/2025	11/30/2025
Flow system audit and calibration	2 Months	Y	8/6/2025	11/30/2025
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	8/6/2025	11/30/2025
Replace or clean pump muffler	12 Months	N	NA	NA
Test smart heater	24 Months	N	NA	NA
Perform 72-hour BKGD test	12 Months	N	NA	NA
Clean internal debris filter	12 Months	N	NA	NA
Remove and check membrane span foil	12 Months	N	NA	NA
Beta detector count rate and dark count test	12 Months	N	NA	NA
Clean vertical inlet tube	12 Months	N	NA	NA
Test analog DAC output if necessary	12 Months	N	NA	NA
Replace lithium battery if necessary	12 Months	N	NA	NA
Rebuild vacuum pump	24 Months	N	NA	NA
Replace nozzle o-ring	24 Months	N	NA	NA
Preplace pump tubing if necessary	24 Months	N	NA	NA



PM₁₀ Maintenance Log

TO BE COMPLETED/UPDATED MONTHLY

Maintenance Item	Frequency Due	Completed (Y/N)	Date Last Completed	Next Service Date
Nozzle and vane cleaning	2 Months	Y	8/7/2025	11/30/2025
Leak check	2 Months	Y	8/7/2025	11/30/2025
Flow system check	2 Months	Y	8/7/2025	11/30/2025
Clean capstan shaft and pinch roller	2 Months	Y	8/7/2025	11/30/2025
Thoroughly clean inlet and particle trap	2 Months	Y	8/7/2025	11/30/2025
Download and save digital data and error log	2 Months	Y	8/7/2025	11/30/2025
Compare digital data to analog data	2 Months	Y	8/7/2025	11/30/2025
Check and set clock	2 Months	Y	8/7/2025	11/30/2025
Replace filter tape	2 Months	Y	8/7/2025	11/30/2025
Run SELF TEST	2 Months	Y	8/7/2025	11/30/2025
Download and verify settings file	2 Months	Y	8/7/2025	11/30/2025
Flow system audit and calibration	2 Months	Y	8/7/2025	11/30/2025
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	8/7/2025	11/30/2025
Replace or clean pump muffler	12 Months	N	NA	NA
Test smart heater	24 Months	Y	8/7/2025	8/30/2027
Perform 72-hour BKGD test	12 Months	N	NA	NA
Clean internal debris filter	12 Months	Y	8/7/2025	8/30/2026
Remove and check membrane span foil	12 Months	N	NA	NA
Beta detector count rate and dark count test	12 Months	N	NA	NA
Clean vertical inlet tube	12 Months	Y	8/7/2025	8/30/2026
Test analog DAC output if necessary	12 Months	N	NA	NA
Replace lithium battery if necessary	12 Months	N	NA	NA
Rebuild vacuum pump	24 Months	N	NA	NA
Replace nozzle o-ring	24 Months	N	NA	NA
Preplace pump tubing if necessary	24 Months	N	NA	NA

**AGAT** Laboratories**PM_{2.5} Maintenance Log****TO BE COMPLETED/UPDATED MONTHLY**

Maintenance Item	Frequency Due	Completed (Y/N)	Date Last Completed	Next Service Date
Nozzle and vane cleaning	2 Months	Y	8/7/2025	11/30/2025
Leak check	2 Months	Y	8/7/2025	11/30/2025
Flow system check	2 Months	Y	8/7/2025	11/30/2025
Clean capstan shaft and pinch roller	2 Months	Y	8/7/2025	11/30/2025
Completely disassemble and clean inlet and cyclone	2 Months	Y	8/7/2025	11/30/2025
Download and save digital data and error log	2 Months	Y	8/7/2025	11/30/2025
Compare digital data to analog data	2 Months	Y	8/7/2025	11/30/2025
Check and set clock	2 Months	Y	8/7/2025	11/30/2025
Replace filter tape	2 Months	Y	8/7/2025	11/30/2025
Run SELF TEST	2 Months	Y	8/7/2025	11/30/2025
Download and verify settings file	2 Months	Y	8/7/2025	11/30/2025
Flow system audit and calibration	2 Months	Y	8/7/2025	11/30/2025
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	8/7/2025	11/30/2025
Replace or clean pump muffler	12 Months	N	NA	NA
Test smart heater	24 Months	Y	8/7/2025	8/30/2026
Perform 72-hour BKGD test	12 Months	N	NA	NA
Clean internal debris filter	12 Months	Y	8/7/2025	8/30/2026
Remove and check membrane span foil	12 Months	N	NA	NA
Beta detector count rate and dark count test	12 Months	N	NA	NA
Clean vertical inlet tube	12 Months	Y	8/7/2025	8/30/2026
Test analog DAC output if necessary	12 Months	N	NA	NA
Replace lithium battery if necessary	12 Months	N	NA	NA
Rebuild vacuum pump	24 Months	N	NA	NA
Replace nozzle o-ring	24 Months	N	NA	NA
Replace pump tubing if necessary	24 Months	N	NA	NA

 AGAT Laboratories			eLog Report		
Station	WLNG, Woodfibre, BC		Project #	NA	
Date	July 6/7, 2025	Time In	6:00	Time Out	4:00
Weather Conditions	Cloudy light rain.		Technician		BM

On site for AQM station quarterly calibration

Leak check, passed

Pressure check, passed

Flow calibration, passed for TSP, PM10 and PM2.5

Ambient temperature check, passed

Shelter temperature check, passed

RH check, passed

BP check, passed

Cleaned sample inlets for PM2.5, PM10, TSP

Appendix D Weekly AQMS Reports



WLNG AQMS - Weekly Reporting

Reporting Period

This AQMS Weekly report covers the period from July 28 to Aug 3, 2025.

Objective

This report summarizes the air quality monitoring data for the week July 28 to Aug 3, 2025. This report includes an analysis of pollutants such as PM_{2.5}, PM₁₀, TSP, and NO₂, highlighting any significant dust events, alerts from the Air Quality Monitoring Station (AQMS), and changes to the monitoring network and mitigation measures. Additionally, the report documents the results of any investigations into alerts or equipment failures, detailing the actions taken or plans for resolution because these are reasonable efforts to maintain compliance with environmental standards and support the ongoing air quality management efforts.

Summary of Onsite Air Quality and Meteorological Data Collected

This section presents four summary tables for the air quality and meteorology data. The data is based on a Level 0 verification, indicating that it has undergone preliminary checks for completeness and accuracy.

Table 1: Summary of Daily Results for the Past 7 Days

Date	PM _{2.5} (µg/m ³)			PM ₁₀ (µg/m ³)			TSP (µg/m ³)			NO ₂ (ppb) ¹		
	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg
28 Jul	6	13	8.9	11	46	23.1	18	89	33.8	3.1	10.1	6.2
29 Jul	7	13	9.8	14	47	23.9	11	157	41.3	3.3	15.3	7.8
30 Jul	7	19	11.2	17	58	24.9	18	124	38.5	3.1	19.9	9.8
31 Jul	4	18	11.4	18	87	38.7	20	187	68.6	–	–	–
1 Aug	6	14	10.4	18	45	27.9	19	70	43.1	–	–	–
2 Aug	5	17	10.3	16	40	24.0	18	90	35.5	–	–	–
3 Aug	3	17	9.6	15	33	19.2	15	45	23.3	–	–	–

Note: The British Columbia Air Quality Objectives (AQO) are:

- PM_{2.5}: 25 µg/m³ - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM₁₀: 50 µg/m³ - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m³ - Achievement based on the daily (24-hr) average.
- NO₂: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicate that the 24-hour average for PM or one or more 1-hour maximum values for NO₂ exceed the respective threshold values.

¹ Data is unavailable from July 31 to August 3 due to the NO₂ gas analyzer being unable to collect valid data.

Table 2: Weekly Averages Summary – PM_{2.5}, PM₁₀, TSP and NO₂

Pollutant	Units	1-hr Min	1-hr Max	Weekly average	Trigger Limits (2/3 of the AQO)	Time Above Trigger Limit (Days)	Time Above AQO (Days)
PM _{2.5}	µg/m ³	3	19	10.2	16.7 (24-hr avg)	0	0
PM ₁₀	µg/m ³	11	87	26.0	33.3 (24-hr avg)	1	0
TSP	µg/m ³	11	187	40.6	80 (24-hr avg)	0	0
NO ₂ ¹	ppb	3.1	19.9	7.9	40 (1-hr avg max)	0	0

Note: ¹ The NO₂ weekly average is based on data collected from July 28 to July 30, 2025.

Table 3: Summary of Meteorological Station Results

Date	Wind Speed (m/s)		Ambient Temperature (°C)			Total Precipitation (mm)
	Max	24-hr Avg	Min	Max	24-hr Avg	
28 Jul	5.5	1.1	14.1	25.7	19.3	0.0
29 Jul	4.1	0.8	14.7	27.2	20.2	0.0
30 Jul	4.0	0.8	15.5	27.6	20.8	0.0
31 Jul	4.8	0.9	16.6	26.7	21.2	0.0
1 Aug	4.7	1.0	16.7	26.3	21.0	0.0
2 Aug	6.9	1.2	16.2	26.6	20.2	0.0
3 Aug	9.7	1.3	15.3	23.5	18.8	0.0

Table 4: Passive SO₂ and VOC Sampling

Date	Sampled Swapped (Yes/No)	Chain of Custody (COC) Submitted (Yes/No)	Sample Submitted to AGAT Lab (Yes/No)	Lab Results Received (Yes/No)	Lab Results Summary or Comments
28-Jul to 3-Aug	Yes	Yes	Yes	Yes	Exposure Period (June): SO ₂ = <0.2 ppb & VOC = <0.7 ppb.

Note: SO₂ and VOC passive samples are swapped on a monthly basis. Passive samples were swapped on August 1, 2025, and shipped to AGAT Labs. The laboratory analysis report for the exposure periods from June 2 to July 3 (VOC and SO₂) was received on July 28, 2025.

On-Site Dust Observation Report and Work Activities Details
Dust Observation Report Summary:

For this report: No dust observation report was received for this period.

Work Activities Details:

According to the Daily Construction Reports from July 28 to Aug 3, construction activities included backfilling at FIWP 3, Trench 3, and the Flare Stack; excavation and piping placement preparation at FIWP 09; slope stabilization at the MSE wall location; west pond clean-up; and finishing snap-back protection at the East Barge ramp. Dust mitigation measures included water truck making rounds throughout the night.

Summary of Daily Reports and Action Taken

On July 31, the recorded PM₁₀ concentration was 38.7 µg/m³, which was above the trigger level of 33.3 µg/m³, and as mitigation, the water truck was operating on that date.

Category	Details	Action Taken	Resolution Status / Anticipated Completion Date
AQ Exceedances Report	No AQ exceedances recorded for this Period.	No Action required.	Not Applicable.
AQ Complaints	No AQ complaints were received during this period.	No Action required.	Not Applicable.
Alerts from the AQMS	No alarms or instrument break-down was reported from AGAT during this period.	No Action required.	Not Applicable.
Changes to the Monitoring Network	No changes to the monitoring network during this period.	Not Applicable.	Not Applicable.
Changes to Mitigation Measures	No changes to mitigation measures during this period.	Not Applicable.	Not Applicable.

In summary, all particulate matter monitoring instruments operated as intended, successfully collecting air quality data throughout the reporting period. However, the NO₂ gas analyzer could not collect valid data from July 31 to August 3, 2025. NO₂ gas analyzer was recalibrated on August 6, 2025. No air quality exceedances of the British Columbia Air Quality Objectives were recorded.

WLNG AQMS - Weekly Reporting

Reporting Period

This AQMS Weekly report covers the period from Aug 4 to Aug 10, 2025.

Objective

This report summarizes the air quality monitoring data for the week Aug 4 to Aug 10, 2025. This report includes an analysis of pollutants such as PM_{2.5}, PM₁₀, TSP, and NO₂, highlighting any significant dust events, alerts from the Air Quality Monitoring Station (AQMS), and changes to the monitoring network and mitigation measures. Additionally, the report documents the results of any investigations into alerts or equipment failures, detailing the actions taken or plans for resolution because these are reasonable efforts to maintain compliance with environmental standards and support the ongoing air quality management efforts.

Summary of Onsite Air Quality and Meteorological Data Collected

This section presents four summary tables for the air quality and meteorology data. The data is based on a Level 0 verification, indicating that it has undergone preliminary checks for completeness and accuracy.

Table 1: Summary of Daily Results for the Past 7 Days

Date	PM _{2.5} (µg/m ³)			PM ₁₀ (µg/m ³)			TSP (µg/m ³)			NO ₂ (ppb) ¹		
	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg
4 Aug	9	17	12.4	17	31	23.8	18	49	28.5	–	–	–
5 Aug	10	23	15.7	17	35	26.8	22	52	32.0	–	–	–
6 Aug	2	19	11.0	10	31	18.6	10	30	19.9	–	–	–
7 Aug	2	10	4.6	7	22	14.5	10	33	17.6	0.0	15.3	1.6
8 Aug	2	21	7.9	12	30	17.6	14	61	26.2	0.0	22.5	6.7
9 Aug	5	15	9.5	15	28	19.8	14	45	26.6	0.9	9.2	5.5
10 Aug	8	15	10.7	16	34	21.5	20	103	35.3	0.0	20.1	4.3

Note: The British Columbia Air Quality Objectives (AQO) are:

- PM_{2.5}: 25 µg/m³ - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM₁₀: 50 µg/m³ - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m³ - Achievement based on the daily (24-hr) average.
- NO₂: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicate that the 24-hour average for PM or one or more 1-hour maximum values for NO₂ exceed the respective threshold values.

¹ Data is unavailable from August 4 to August 6 due to the NO₂ gas analyzer being unable to collect valid data.

Table 2: Weekly Averages Summary – PM_{2.5}, PM₁₀, TSP and NO₂

Pollutant	Units	1-hr Min	1-hr Max	Weekly average	Trigger Limits (2/3 of the AQO)	Time Above Trigger Limit (Days)	Time Above AQO (Days)
PM _{2.5}	µg/m ³	2	23	10.3	16.7 (24-hr avg)	0	0
PM ₁₀	µg/m ³	7	35	20.4	33.3 (24-hr avg)	0	0
TSP	µg/m ³	10	103	26.6	80 (24-hr avg)	0	0
NO ₂ ¹	ppb	0.0	22.5	4.5	40 (1-hr avg max)	0	0

Note: ¹ The NO₂ weekly average is based on data collected from August 7 to August 10, 2025.

Table 3: Summary of Meteorological Station Results

Date	Wind Speed (m/s)		Ambient Temperature (°C)			Total Precipitation (mm)
	Max	24-hr Avg	Min	Max	24-hr Avg	
4 Aug	5.8	1.2	16.8	24.7	19.9	0.0
5 Aug	6.0	1.0	15.8	22.5	18.1	5.8
6 Aug	5.5	1.0	15.5	22.4	17.8	12.0
7 Aug	7.0	1.5	14.8	22.2	17.8	0.2
8 Aug	5.0	1.0	12.8	23.2	17.3	0.0
9 Aug	5.5	0.9	13.7	24.3	18.6	0.0
10 Aug	5.3	0.9	15.8	28.1	21.0	0.0

Table 4: Passive SO₂ and VOC Sampling

Date	Sampled Swapped (Yes/No)	Chain of Custody (COC) Submitted (Yes/No)	Sample Submitted to AGAT Lab (Yes/No)	Lab Results Received (Yes/No)	Lab Results Summary or Comments
4-Aug to 10-Aug	No	No	No	No	NA

Note: This table mostly contains "No" entries because SO₂ and VOC passive samples are swapped on a monthly basis, and this reporting period may not coincide with the sampling schedule. Passive samples were swapped on August 1, 2025, and shipped to AGAT Labs.

On-Site Dust Observation Report and Work Activities Details
Dust Observation Report Summary:

For this report: No dust observation report was received for this period.

Work Activities Details:

According to the Daily Construction Reports from Aug 4 to Aug 10, construction activities included backfilling at FIWP 3, M01, and the Flare Stack; rock breaking in the MS3 area and placing Type D material to grade at FST. Dust mitigation measures included slope stabilization at the MSE wall and regular water truck rounds conducted throughout the night.

Summary of Daily Reports and Action Taken

AGAT Laboratories completed the quarterly calibration of the NO-NO₂-NO_x gas analyzer was calibrated on August 6, 2025. TSP, PM₁₀, and PM_{2.5} BAM units were cleaned and calibrated on August 7, 2025.

Category	Details	Action Taken	Resolution Status / Anticipated Completion Date
AQ Exceedances Report	No AQ exceedances recorded for this Period.	No Action required.	Not Applicable.
AQ Complaints	No AQ complaints were received during this period.	No Action required.	Not Applicable.
Alerts from the AQMS	No alarms or instrument break-down was reported from AGAT during this period.	No Action required.	Not Applicable.
Changes to the Monitoring Network	No changes to the monitoring network during this period.	Not Applicable.	Not Applicable.
Changes to Mitigation Measures	No changes to mitigation measures during this period.	Not Applicable.	Not Applicable.

In summary, all particulate matter monitoring instruments operated as intended, successfully collecting air quality data throughout the reporting period. However, the NO₂ gas analyzer could not collect valid data from August 4 to August 6, 2025. The analyzer was recalibrated on August 6, 2025, and since then has been collecting data as intended. No air quality exceedances of the British Columbia Air Quality Objectives were recorded.

WLNG AQMS - Weekly Reporting

Reporting Period

This AQMS Weekly report covers the period from Aug 11 to Aug 17, 2025.

Objective

This report summarizes the air quality monitoring data for the week Aug 11 to Aug 17, 2025. This report includes an analysis of pollutants such as PM_{2.5}, PM₁₀, TSP, and NO₂, highlighting any significant dust events, alerts from the Air Quality Monitoring Station (AQMS), and changes to the monitoring network and mitigation measures. Additionally, the report documents the results of any investigations into alerts or equipment failures, detailing the actions taken or plans for resolution because these are reasonable efforts to maintain compliance with environmental standards and support the ongoing air quality management efforts.

Summary of Onsite Air Quality and Meteorological Data Collected

This section presents four summary tables for the air quality and meteorology data. The data is based on a Level 0 verification, indicating that it has undergone preliminary checks for completeness and accuracy.

Table 1: Summary of Daily Results for the Past 7 Days

Date	PM _{2.5} (µg/m ³)			PM ₁₀ (µg/m ³)			TSP (µg/m ³)			NO ₂ (ppb)		
	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg
11 Aug	6	30	12.8	15	69	25.4	17	124	38.6	0.0	8.8	3.4
12 Aug	2	16	9.3	12	44	24.4	22	69	39.2	0.0	14.2	2.8
13 Aug	0	12	6.9	14	42	20.6	17	84	31.4	0.0	3.7	0.4
14 Aug	7	28	14.0	12	39	24.8	18	71	36.7	0.0	14.5	5.6
15 Aug	3	31	9.2	7	37	15.7	10	37	17.1	0.0	16.0	4.7
16 Aug	1	26	6.2	11	22	14.0	11	21	15.1	0.0	5.3	1.0
17 Aug	0	19	6.2	12	21	15.8	13	26	19.3	0.0	14.5	4.0

Note: The British Columbia Air Quality Objectives (AQO) are:

- PM_{2.5}: 25 µg/m³ - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM₁₀: 50 µg/m³ - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m³ - Achievement based on the daily (24-hr) average.
- NO₂: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicate that the 24-hour average for PM or one or more 1-hour maximum values for NO₂ exceed the respective threshold values.

Table 2: Weekly Averages Summary – PM_{2.5}, PM₁₀, TSP and NO₂

Pollutant	Units	1-hr Min	1-hr Max	Weekly average	Trigger Limits (2/3 of the AQO)	Time Above Trigger Limit (Days)	Time Above AQO (Days)
PM _{2.5}	µg/m ³	0	31	9.2	16.7 (24-hr avg)	0	0
PM ₁₀	µg/m ³	7	69	20.1	33.3 (24-hr avg)	0	0
TSP	µg/m ³	10	124	28.2	80 (24-hr avg)	0	0
NO ₂	ppb	0.0	16.0	3.1	40 (1-hr avg max)	0	0

Table 3: Summary of Meteorological Station Results

Date	Wind Speed (m/s)		Ambient Temperature (°C)			Total Precipitation (mm)
	Max	24-hr Avg	Min	Max	24-hr Avg	
11 Aug	4.3	0.8	17.5	28.1	22.0	0.0
12 Aug	5.6	1.2	17.3	29.3	22.6	0.0
13 Aug	10.6	1.8	17.3	25.6	20.8	0.0
14 Aug	6.6	1.1	15.0	22.8	18.3	2.8
15 Aug	4.4	0.6	14.7	19.0	16.2	57.0
16 Aug	7.2	1.7	15.5	19.8	17.3	3.4
17 Aug	5.7	1.5	14.4	22.1	17.5	0.0

Table 4: Passive SO₂ and VOC Sampling

Date	Sampled Swapped (Yes/No)	Chain of Custody (COC) Submitted (Yes/No)	Sample Submitted to AGAT Lab (Yes/No)	Lab Results Received (Yes/No)	Lab Results Summary or Comments
11-Aug to 17-Aug	No	No	No	No	NA

Note: This table mostly contains "No" entries because SO₂ and VOC passive samples are swapped on a monthly basis, and this reporting period may not coincide with the sampling schedule. Passive samples were swapped on August 1, 2025, and shipped to AGAT Labs.

On-Site Dust Observation Report and Work Activities Details
Dust Observation Report Summary:

For this report: No dust observation report was received for this period.

Work Activities Details:

According to the Daily Construction Reports from Aug 11 to Aug 17, construction activities included backfilling in Trench 3 , M11 and M12 in Area 1100, breaking rocks in Area 1100, blasting on FST-MS4 Access Road, grading in Area 1300 and 4200, placing blasted rock in Area 4200, and offloading and stockpiling material in Area 4200.

Summary of Daily Reports and Action Taken

Category	Details	Action Taken	Resolution Status / Anticipated Completion Date
AQ Exceedances Report	No AQ exceedances recorded for this Period.	No Action required.	Not Applicable.
AQ Complaints	No AQ complaints were received during this period.	No Action required.	Not Applicable.
Alerts from the AQMS	No alarms or instrument break-down was reported from AGAT during this period.	No Action required.	Not Applicable.
Changes to the Monitoring Network	No changes to the monitoring network during this period.	Not Applicable.	Not Applicable.
Changes to Mitigation Measures	No changes to mitigation measures during this period.	Not Applicable.	Not Applicable.

In summary, all instruments operated as intended, successfully collecting air quality data throughout the reporting period. No air quality exceedances of the British Columbia Air Quality Objectives were recorded.

WLNG AQMS - Weekly Reporting

Reporting Period

This AQMS Weekly report covers the period from Aug 18 to Aug 24, 2025.

Objective

This report summarizes the air quality monitoring data for the week Aug 18 to Aug 24, 2025. This report includes an analysis of pollutants such as PM_{2.5}, PM₁₀, TSP, and NO₂, highlighting any significant dust events, alerts from the Air Quality Monitoring Station (AQMS), and changes to the monitoring network and mitigation measures. Additionally, the report documents the results of any investigations into alerts or equipment failures, detailing the actions taken or plans for resolution because these are reasonable efforts to maintain compliance with environmental standards and support the ongoing air quality management efforts.

Summary of Onsite Air Quality and Meteorological Data Collected

This section presents four summary tables for the air quality and meteorology data. The data is based on a Level 0 verification, indicating that it has undergone preliminary checks for completeness and accuracy.

Table 1: Summary of Daily Results for the Past 7 Days

Date	PM _{2.5} (µg/m ³)			PM ₁₀ (µg/m ³)			TSP (µg/m ³)			NO ₂ (ppb)		
	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg
18 Aug	4	19	8.2	11	25	17.4	15	33	21.4	1.4	17.6	6.9
19 Aug	1	17	8.3	11	24	17.8	13	29	20.1	1.8	18.4	8.9
20 Aug	4	15	8.0	11	46	21.7	9	120	31.6	0.7	20.2	6.6
21 Aug	5	12	7.9	10	25	18.9	13	35	22.7	0.9	11.5	4.6
22 Aug	3	13	7.0	10	41	21.2	5	113	34.0	3.4	17.9	7.7
23 Aug	2	27	8.8	15	55	24.0	17	98	33.7	1.9	19.1	9.1
24 Aug	6	22	12.3	14	48	25.3	18	85	37.7	4.1	26.4	12.2

Note: The British Columbia Air Quality Objectives (AQO) are:

- PM_{2.5}: 25 µg/m³ - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM₁₀: 50 µg/m³ - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m³ - Achievement based on the daily (24-hr) average.
- NO₂: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicate that the 24-hour average for PM or one or more 1-hour maximum values for NO₂ exceed the respective threshold values.

Table 2: Weekly Averages Summary – PM_{2.5}, PM₁₀, TSP and NO₂

Pollutant	Units	1-hr Min	1-hr Max	Weekly average	Trigger Limits (2/3 of the AQO)	Time Above Trigger Limit (Days)	Time Above AQO (Days)
PM _{2.5}	µg/m ³	1	27	8.6	16.7 (24-hr avg)	0	0
PM ₁₀	µg/m ³	10	55	20.9	33.3 (24-hr avg)	0	0
TSP	µg/m ³	5	120	28.8	80 (24-hr avg)	0	0
NO ₂	ppb	0.7	26.4	8.0	40 (1-hr avg max)	0	0

Table 3: Summary of Meteorological Station Results

Date	Wind Speed (m/s)		Ambient Temperature (°C)			Total Precipitation (mm)
	Max	24-hr Avg	Min	Max	24-hr Avg	
18 Aug	4.1	0.7	14.1	20.7	16.4	0.0
19 Aug	6.7	1.0	14.5	19.3	16.6	0.4
20 Aug	5.9	1.2	13.7	23.0	17.4	0.0
21 Aug	6.6	1.1	13.1	24.3	18.0	0.0
22 Aug	6.5	1.1	14.9	28.6	20.5	0.0
23 Aug	7.6	1.1	16.1	29.0	21.1	0.0
24 Aug	3.6	0.9	16.7	28.3	20.6	0.0

Table 4: Passive SO₂ and VOC Sampling

Date	Sampled Swapped (Yes/No)	Chain of Custody (COC) Submitted (Yes/No)	Sample Submitted to AGAT Lab (Yes/No)	Lab Results Received (Yes/No)	Lab Results Summary or Comments
18-Aug to 24-Aug	No	No	No	Yes	Exposure Period (July): SO ₂ = <0.2 ppb & VOC = 3.3 ppb.

Note: SO₂ and VOC passive samples are swapped on a monthly basis. Passive samples were swapped on August 1, 2025, and shipped to AGAT Labs. The laboratory analysis report for the exposure periods from July 3 to August 1 (VOC and SO₂) was received on August 21, 2025.

On-Site Dust Observation Report and Work Activities Details
Dust Observation Report Summary:

For this report: No dust observation report was received for this period.

Work Activities Details:

According to the Daily Construction Reports from Aug 18 to Aug 24, construction activities included breaking rock in Area 1100, road blasting at FST-MS4, backfilling in Area 1100 & 1200, Area 4100, and LBLNG.

Summary of Daily Reports and Action Taken

Category	Details	Action Taken	Resolution Status / Anticipated Completion Date
AQ Exceedances Report	No AQ exceedances recorded for this Period.	No Action required.	Not Applicable.
AQ Complaints	No AQ complaints were received during this period.	No Action required.	Not Applicable.
Alerts from the AQMS	No alarms or instrument break-down was reported from AGAT during this period.	No Action required.	Not Applicable.
Changes to the Monitoring Network	No changes to the monitoring network during this period.	Not Applicable.	Not Applicable.
Changes to Mitigation Measures	No changes to mitigation measures during this period.	Not Applicable.	Not Applicable.

In summary, all instruments operated as intended, successfully collecting air quality data throughout the reporting period. No air quality exceedances of the British Columbia Air Quality Objectives were recorded.

WLNG AQMS - Weekly Reporting

Reporting Period

This AQMS Weekly report covers the period from Aug 25 to Aug 31, 2025.

Objective

This report summarizes the air quality monitoring data for the week Aug 25 to Aug 31, 2025. This report includes an analysis of pollutants such as PM_{2.5}, PM₁₀, TSP, and NO₂, highlighting any significant dust events, alerts from the Air Quality Monitoring Station (AQMS), and changes to the monitoring network and mitigation measures. Additionally, the report documents the results of any investigations into alerts or equipment failures, detailing the actions taken or plans for resolution because these are reasonable efforts to maintain compliance with environmental standards and support the ongoing air quality management efforts.

Summary of Onsite Air Quality and Meteorological Data Collected

This section presents four summary tables for the air quality and meteorology data. The data is based on a Level 0 verification, indicating that it has undergone preliminary checks for completeness and accuracy.

Table 1: Summary of Daily Results for the Past 7 Days

Date	PM _{2.5} (µg/m ³)			PM ₁₀ (µg/m ³)			TSP (µg/m ³)			NO ₂ (ppb)		
	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg	1-hr Min	1-hr Max	24-hr Avg
25 Aug	4	24	15.7	23	63	32.2	27	110	47.4	5.5	29.2	14.1
26 Aug	11	24	17.7	25	49	32.3	30	109	45.5	5.9	25.4	14.9
27 Aug	12	26	17.6	24	48	34.7	29	63	45.8	4.4	22.4	12.8
28 Aug	11	30	18.8	28	46	34.7	27	82	45.9	8.3	31.5	17.1
29 Aug	13	30	20.1	26	69	35.3	29	139	48.0	4.9	41.8	14.6
30 Aug	10	22	17.1	19	37	28.8	26	47	36.4	4.3	19.5	10.3
31 Aug	12	54	21.8	27	64	34.6	25	68	42.3	0.7	24.3	8.5

Note: The British Columbia Air Quality Objectives (AQO) are:

- PM_{2.5}: 25 µg/m³ - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM₁₀: 50 µg/m³ - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m³ - Achievement based on the daily (24-hr) average.
- NO₂: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicate that the 24-hour average for PM or one or more 1-hour maximum values for NO₂ exceed the respective threshold values.

Table 2: Weekly Averages Summary – PM_{2.5}, PM₁₀, TSP and NO₂

Pollutant	Units	1-hr Min	1-hr Max	Weekly average	Trigger Limits (2/3 of the AQO)	Time Above Trigger Limit (Days)	Time Above AQO (Days)
PM _{2.5}	µg/m ³	4	54	18.4	16.7 (24-hr avg)	6	0
PM ₁₀	µg/m ³	19	69	33.2	33.3 (24-hr avg)	4	0
TSP	µg/m ³	25	139	44.5	80 (24-hr avg)	0	0
NO ₂	ppb	0.7	41.8	13.2	40 (1-hr avg max)	1	0

Table 3: Summary of Meteorological Station Results

Date	Wind Speed (m/s)		Ambient Temperature (°C)			Total Precipitation (mm)
	Max	24-hr Avg	Min	Max	24-hr Avg	
25 Aug	2.9	0.6	15.5	26.4	19.9	0.0
26 Aug	3.0	0.6	15.5	26.3	19.8	0.0
27 Aug	6.3	1.0	15.9	24.7	19.8	0.0
28 Aug	5.1	0.8	16.0	25.1	19.5	0.0
29 Aug	2.8	0.8	16.7	25.3	20.1	0.0
30 Aug	4.3	0.9	15.3	24.0	18.9	0.0
31 Aug	7.0	1.2	15.3	26.6	19.7	0.2

Table 4: Passive SO₂ and VOC Sampling

Date	Sampled Swapped (Yes/No)	Chain of Custody (COC) Submitted (Yes/No)	Sample Submitted to AGAT Lab (Yes/No)	Lab Results Received (Yes/No)	Lab Results Summary or Comments
25-Aug to 31-Aug	No	No	No	No	NA

Note: This table mostly contains "No" entries because SO₂ and VOC passive samples are swapped on a monthly basis, and this reporting period may not coincide with the sampling schedule. Passive samples were swapped on August 1, 2025, and shipped to AGAT Labs.

On-Site Dust Observation Report and Work Activities Details
Dust Observation Report Summary:

For this report: No dust observation report was received for this period.

Work Activities Details:

According to the Daily Construction Reports from Aug 25 to Aug 31, construction activities included slope stabilization at MSE wall and access road blasting at MS4 and rock breaking for FIWP-07 in Area 1100 & 1200, backfilling sump (6401,6447 and 6467) and drilling at M05B. All routine dust suppression mitigations, including water trucks, were active during this period.

Summary of Daily Reports and Action Taken

Category	Details	Action Taken	Resolution Status / Anticipated Completion Date
AQ Exceedances Report	No AQ exceedances recorded for this Period.	No Action required.	Not Applicable.
AQ Complaints	No AQ complaints were received during this period.	No Action required.	Not Applicable.
Alerts from the AQMS	No alarms or instrument break-down was reported from AGAT during this period.	No Action required.	Not Applicable.
Changes to the Monitoring Network	No changes to the monitoring network during this period.	Not Applicable.	Not Applicable.
Changes to Mitigation Measures	No changes to mitigation measures during this period.	Not Applicable.	Not Applicable.

In summary, all instruments operated as intended, successfully collecting air quality data throughout the reporting period. At the regional air quality stations, 24-hour average PM_{2.5} concentrations at Squamish Elementary ranged from 12.4 to 16.0 µg/m³ from August 25 to August 31, 2025. At Langdale Elementary, 24-hour average PM_{2.5} ranged from 11.0 to 16.7 µg/m³, and PM₁₀ ranged from 17.1 to 23.6 µg/m³ over the same period. Due to ambient PM_{2.5} and PM₁₀ concentrations being near or above trigger levels at the AQMS site, all routine dust suppression measures, including the use of water trucks, were implemented during this time. No air quality exceedances of the British Columbia Air Quality Objectives were recorded.

Appendix E Passive SO₂ and VOC Samples – Lab Analysis Report



CLIENT NAME: STANTEC CONSULTING LTD
100-75 24TH STREET
EAST SASKATOON, SK S7K 0K3

ATTENTION TO: Dan Jarratt/Kashif Choudhry

PROJECT: Woodfibre LNG

AGAT WORK ORDER: 25C338623

AIR QUALITY MONITORING REVIEWED BY: Carmen Andrei, AQM Lab Supervisor

DATE REPORTED: Sep 22, 2025

PAGES (INCLUDING COVER): 6

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (403) 299-2000

***Notes**

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.



AGAT Laboratories

Air Quality Summary

AGAT WORK ORDER: 25C338623

PROJECT: Woodfibre LNG

3650 – 21 Street NE
CALGARY, ALBERTA
CANADA T2E 6V6
TEL (403)299-2000

<http://www.agatlabs.com>

CLIENT NAME: STANTEC CONSULTING LTD

SAMPLING SITE:

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLED BY:

Parameter	Unit	Number of Samples	Peak Reading	Network Average
Ambient Sulfur Dioxide	ppbv	2	0.2	0.2
Ambient VOC as Hexane	ppbv	2	2.5	2.3



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Certificate of Analysis

AGAT WORK ORDER: 25C338623

PROJECT: Woodfibre LNG

3650 – 21 Street NE
CALGARY, ALBERTA
CANADA T2E 6V6
TEL (403)299-2000

<http://www.agatlabs.com>

CLIENT NAME: STANTEC CONSULTING LTD

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLING SITE:

SAMPLED BY:

Passive Quality Assurance

DATE RECEIVED: 2025-09-09

DATE REPORTED: 2025-09-22

		Site#01/DUP		BLANK/		Site#01/DUP		BLANK/	
		01Aug/25,13:10		01Aug/25,13:10		01Aug/25,13:10		01Aug/25,13:10	
		03Sep/25,09:05		03Sep/25,09:05		03Sep/25,09:05		03Sep/25,09:05	
SAMPLE DESCRIPTION:		/SO2		/SO2		/TVOC		/TVOC	
SAMPLE TYPE:		FILTER		FILTER		FILTER		FILTER	
DATE SAMPLED:									
Parameter	Unit	G / S	RDL	7038594	7038595	7038597	7038598		
Ambient Sulfur Dioxide	ppbv		0.2	0.2	<0.2	-	-		
Ambient VOC as Hexane	ppbv		0.7	-	-	2.1	<0.7		

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Analysis performed at AGAT Calgary (unless marked by *)

Certified By:

Quality Assurance

CLIENT NAME: STANTEC CONSULTING LTD

PROJECT: Woodfibre LNG

SAMPLING SITE:

AGAT WORK ORDER: 25C338623

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLED BY:

Air Quality Monitoring

RPT Date: Sep 22, 2025			DUPLICATE			Method Blank	REFERENCE MATERIAL		METHOD BLANK SPIKE			MATRIX SPIKE			
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Passive Air Quality Sampling

Ambient Sulfur Dioxide	256	7038594	0.2	0.2	NA	< 0.2	104%	90%	110%	89%	80%	120%	102%	80%	120%
Ambient VOC as Hexane	189	7038597	2.5	2.1	NA	< 0.7	77%	60%	140%	83%	60%	140%			

Comments: If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.
Sample spikes and duplicates are not from the same sample.

Certified By:



Method Summary

CLIENT NAME: STANTEC CONSULTING LTD

AGAT WORK ORDER: 25C338623

PROJECT: Woodfibre LNG

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Air Quality Monitoring			
Ambient Sulfur Dioxide	AQM-43-16007	Inhouse Method	ION CHROMATOGRAPH
Ambient VOC as Hexane	IHF-60-25003	Modified NIOSH-1500,1501,1003	GC/MS

