

# **Woodfibre LNG Air Quality Monitoring Station Report for May 2025**

July 7, 2025

Prepared for:  
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Prepared by:  
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Project/File:  
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## Limitations and Sign-off

This document entitled Woodfibre LNG Air Quality Monitoring Station Report for May 2025 was prepared by Stantec Consulting Ltd. ("Stantec") for the account of Woodfibre LNG General Partner Inc. (the "Client") to support the Floatel Air Quality Monitoring and Mitigation Plan Rev. 6, July 5, 2024 for the Woodfibre LNG Project (the "Project"). In connection therewith, this document may be reviewed and used by the British Columbia Environmental Assessment Office (BC EAO) participating in the review process in the normal course of its duties. Except as set forth in the previous sentence, any reliance on this document by any other party or use of it for any other purpose is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The information and conclusions in the document are based on the conditions existing at the time the document was published and does not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by the Client or others, unless expressly stated otherwise in the document. Any use which another party makes of this document is the responsibility and risk of such party. Such party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other party as a result of decisions made or actions taken based on this document.

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## Executive Summary

This report provides a summary of the ambient air quality monitoring data for May 2025 that has been 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 E.1 below presents the monthly averages, ranges, and maximum values for key air contaminant concentrations measured during May 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 May 2025.

**Table E.1 May 2025 Air Quality Monitoring Station Summary**

Air Contaminant		Units	Monthly Average	Monthly Range (Min - Max)
PM <sub>2.5</sub> (24-hour average)		µg/m³	6.0	3.8 - 8.0
PM <sub>10</sub> (24-hour average)		µg/m³	13.2	8.3 - 24.1
TSP (24-hour average)		µg/m³	19.0	8.3 - 63.8
NO <sub>2</sub> (24-hour average)		ppb	9.7	4.0 - 13.0
NO <sub>2</sub> (1-hour average)		ppb	9.7	0.0 - 42.1
SO <sub>2</sub>	May 2 – Jun 2, 2025	ppb	0.4	
VOC as Hexane			<0.7 <sup>a</sup>	
Number of Air Quality Exceedances Recorded			None	
Number of Complaints Received			None	

Notes:

<sup>a</sup> Concentrations below the Reported Detection Limit (RDL) are indicated with a '<' symbol.



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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 <sub>2</sub>	Nitrogen Dioxide
PM	Particulate Matter
PM <sub>2.5</sub>	Fine Particulate Matter (less than 2.5 microns (µm) in aerodynamic diameter)
PM <sub>10</sub>	Particulate Matter (less than 10 microns (µm) in aerodynamic diameter)
QA/QC	Quality Assurance and Quality Control
SO <sub>2</sub>	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.



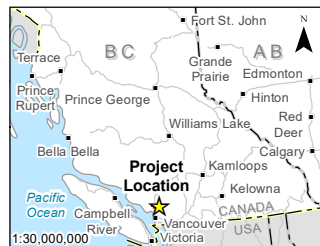
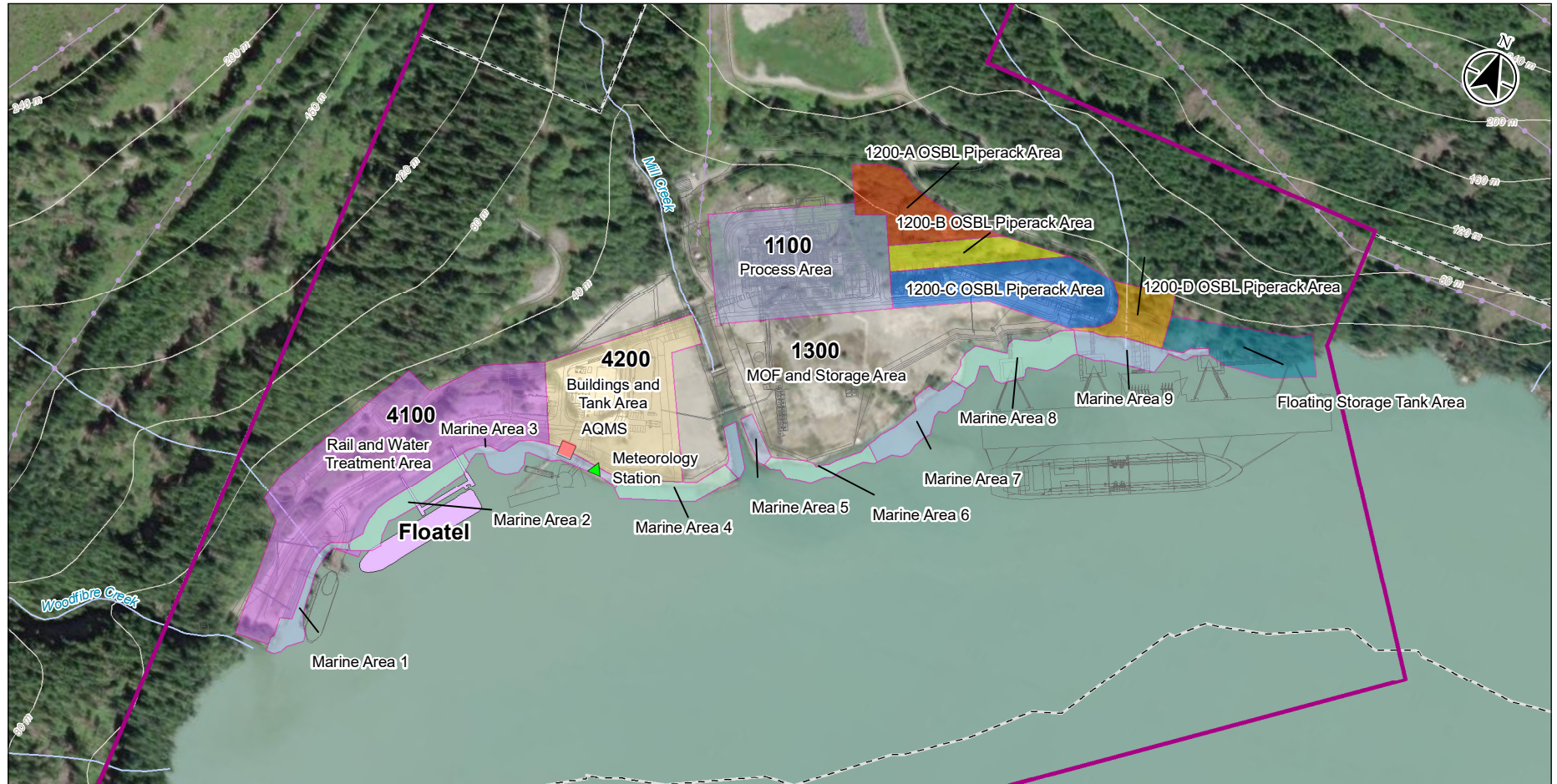
# 1 Introduction

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). The air quality monitoring station (AQMS) continuously measures PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub> concentrations, along with passive sampling and analysis for SO<sub>2</sub> 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 May 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.

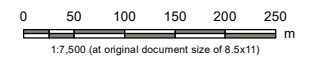


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**Notes**  
1. Coordinate System: NAD 1983 UTM Zone 10N  
2. Data Sources: DataBC, Government of British Columbia;  
Natural Resources Canada  
3. Orthoimagery: ESRI World Imagery

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



Project Location: Woodfibre, British Columbia  
Project Number: 12322160  
Prepared by: J. POUCHET 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

- Particulate matter with aerodynamic diameter less than or equal to 2.5 microns (PM<sub>2.5</sub>)
- Particulate matter with aerodynamic diameter less than or equal to 10 microns (PM<sub>10</sub>)
- Total suspended particulate (TSP) with aerodynamic diameter less than or equal to 100 microns
- Nitrogen dioxide (NO<sub>2</sub>)

#### 2.2.2 Passive Sampling

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

Notes:

<sup>a</sup> Canadian Ambient Air Quality Standards (CCME 2024) for 2020 and 2025.

<sup>b</sup> µg/m<sup>3</sup> is the mass of the substance in micrograms per cubic meter of air.

<sup>c</sup> Standard conditions of 25°C and 101.325 kPa are used to convert from µg/m<sup>3</sup> to ppbv.

<sup>d</sup> ppbv is the volume of the substance (parts) per billion volumes of air.

<sup>e</sup> The 3-year average of the annual 98<sup>th</sup> percentile of the daily maximum 1-hour average concentration.

<sup>f</sup> The average over a single calendar year of all 1-hour average concentrations.

<sup>g</sup> The 3-year average of the annual 99<sup>th</sup> percentile of the daily maximum 1-hour average concentrations.

<sup>h</sup> The average over a single calendar year of all 1-hour average concentrations.

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

<sup>j</sup> Currently under review by the CCME

<sup>k</sup> The 3-year average of the annual average of the daily 24-hour average concentrations.



# Woodfibre LNG Air Quality Monitoring Station Report for May 2025

## Section 2: Key Components Assessed

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**Table 2.3 British Columbia Ambient Air Quality Objectives**

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

Notes:

<sup>a</sup> British Columbia Air Quality Objectives (BC ENVP 2021).

<sup>b</sup>  $\mu\text{g}/\text{m}^3$  is the mass of the substance in micrograms per cubic meter of air.

<sup>c</sup> Standard conditions of 25°C and 101.325 kPa are used to convert from  $\mu\text{g}/\text{m}^3$  to ppbv.

<sup>d</sup> ppbv is the volume of the substance (parts) per billion volumes of air.

<sup>e</sup> Achievement based on annual 98<sup>th</sup> percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

<sup>f</sup> Achievement based on annual average of 1-hour average concentrations over one year.

<sup>g</sup> Achievement based on annual 99<sup>th</sup> percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

<sup>h</sup> Achievement based on annual average of 1-hour concentrations over one year.

<sup>i</sup> Achievement based on annual 98<sup>th</sup> percentile of daily average, averaged over one year.

<sup>j</sup> Achievement based on annual average, averaged over one year.

<sup>k</sup> Based on geometric mean.

In addition to comparing measured concentrations against the applicable BC Ambient Air Quality Objectives (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  $\mu\text{g}/\text{m}^3$  for 24-hour average PM<sub>2.5</sub>
- 33.3  $\mu\text{g}/\text{m}^3$  for 24-hour average PM<sub>10</sub>
- 80  $\mu\text{g}/\text{m}^3$  for 24-hour average TSP
- 40 ppb for 1-hour average NO<sub>2</sub>

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. Passive sampling of SO<sub>2</sub> 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 <sub>2.5</sub> , PM <sub>10</sub> , and TSP	Met One Instruments BAM 1020 Beta Attenuation Mass Monitors
NO <sub>2</sub>	Thermo Fisher Scientific – Model 42i (NO-NO <sub>2</sub> -NO <sub>x</sub> ) Analyzer
SO <sub>2</sub> and total VOCs	AGAT's Passive Sampler system

#### 3.1 Continuous Monitoring of PM and NO<sub>2</sub>

Particulate matter (PM<sub>2.5</sub>, PM<sub>10</sub>, 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 NO<sub>2</sub> concentrations were continuously monitored following the Standard Operating Procedure for the Continuous Measurement of Ambient NO<sub>x</sub> (Reference No: SOP-03) in Part B1 of the British Columbia Field Sampling Manual (BC ENVP 2020).

#### 3.2 Passive Monitoring of SO<sub>2</sub> and VOC

The SO<sub>2</sub> 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 NO<sub>2</sub>

A summary of the hourly ambient air monitoring results for PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub> for May 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. BC ENVP air quality monitoring station at Langdale Elementary provides measurements for PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, and SO<sub>2</sub>, while Squamish Elementary monitors PM<sub>2.5</sub>, NO<sub>2</sub>, and SO<sub>2</sub>. There are no BC ENVP ambient air quality monitoring stations near the Woodfibre LNG project site that measure TSP and VOCs.

During May 2025, the hourly PM<sub>2.5</sub> concentrations ranged from 0<sup>1</sup> to 23 µg/m<sup>3</sup>, the hourly PM<sub>10</sub> concentrations ranged from 4 to 180 µg/m<sup>3</sup>, the hourly TSP concentrations ranged from 4 to 727 µg/m<sup>3</sup>, and the hourly NO<sub>2</sub> concentrations ranged from 0<sup>2</sup> to 42.1 ppb. The hourly results for the NO<sub>2</sub> concentration monitoring during this period were less than the BCAQO regulatory standard of 60 ppb. The hourly air quality objective regulatory standard for NO<sub>2</sub> is based on the 3-year average of the annual 98<sup>th</sup> 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<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub> for May 2025 is presented in 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 24-hour regulatory standards for PM<sub>10</sub> and TSP monitoring are 50 µg/m<sup>3</sup> and 120 µg/m<sup>3</sup>, respectively. The 24-hour BCAQO regulatory standard for PM<sub>2.5</sub> is 25 µg/m<sup>3</sup>, based on the 3-year average of the annual 98<sup>th</sup> percentile of the daily 24-hour average concentrations (CCME 2024; BC ENVP 2021).

During May 2025, the 24-hour average PM<sub>2.5</sub> concentrations of ranged from 3.8 to 8.0 µg/m<sup>3</sup>, 24-hour average PM<sub>10</sub> concentrations of ranged from 8.3 to 24.1 µg/m<sup>3</sup>, 24-hour average TSP concentrations ranged from 8.3 to 63.8 µg/m<sup>3</sup>, and 24-hour average NO<sub>2</sub> concentrations ranged from 4.0 to 13.0 ppb. The 24-hour average PM<sub>2.5</sub>, PM<sub>10</sub> and NO<sub>2</sub> 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.

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<sup>1</sup> The BAM 1020 instrument recording the PM<sub>2.5</sub> 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<sub>2.5</sub> measurements: values between -3 and 0 µg/m<sup>3</sup> are adjusted to 0, while values below -3 µg/m<sup>3</sup> are flagged as invalid. This approach has been followed for PM<sub>2.5</sub> data validation program.

<sup>2</sup> The 42i NO-NO<sub>2</sub>-NO<sub>x</sub> gas analyzer recording the NO<sub>2</sub> concentrations may occasionally report slightly negative values when the are very low. 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.



The available data for May 2025 is insufficient to compare with the annual regulatory standards set for NO<sub>2</sub>, PM<sub>2.5</sub>, and TSP by BCAQO and CAAQS. However, the monthly average NO<sub>2</sub> concentration in May 2025 is 9.7 ppb. The combined average from January to May 2025 is 8.4 ppb, less than the BCAQO and CAAQS annual regulatory standards of 17 ppb and 12 ppb, respectively.

The May 2025 monthly average PM<sub>2.5</sub> concentration is 6.0 µg/m<sup>3</sup>. The combined average for January and May 2025 is 5.9 µg/m<sup>3</sup> and is less than the BCAQO and CAAQS annual regulatory standards of 8.0 and 8.8 µg/m<sup>3</sup>, respectively. However, this five-month average does not represent a yearly valid average for comparison with these regulatory standards. Similarly, the May monthly average TSP concentration is 19.0 µg/m<sup>3</sup>. The combined average TSP concentration from January to May 2025 is 31.5 µg/m<sup>3</sup>, below the BCAQO annual regulatory standard of 60 µg/m<sup>3</sup>.

A summary of the 24-hour average PM<sub>2.5</sub>, PM<sub>10</sub>, TSP and NO<sub>2</sub> concentrations measured during May 2025 is presented in Appendix A (Figure A.6 to Figure A.10) and Appendix B, Table B.1. The results for PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP were less than the BCAQO regulatory standards of 25 µg/m<sup>3</sup>, 50 µg/m<sup>3</sup>, and 120 µg/m<sup>3</sup>, respectively, and no air quality exceedances were recorded for these contaminants. However, a single NO<sub>2</sub> concentration above the project-specific trigger level of 40 ppb was recorded at the on-site AQMS on May 15 at 2:00 a.m., with a value of 42.1 ppb. During the same hour, NO<sub>2</sub> concentrations measured at the Langdale Elementary and Squamish Elementary regional air quality stations were substantially lower, at 2.2 ppb and 4.0 ppb, respectively. Concentrations recorded at the on-site AQMS in the subsequent hours were much lower than the trigger level. As such, no further investigation or action was required. Additionally, no complaints were received from the Floatel residents during May 2025 that required further investigation or mitigation actions. The weekly AQMS reports are presented in Appendix C). Additionally, no complaints were received from the Floatel residents during May 2025 that required further investigation or mitigation actions.

## **4.2 Passive Monitoring of SO<sub>2</sub> and VOC**

The passive sample media for SO<sub>2</sub> and total VOCs were swapped on June 2, 2025. This report includes the results for samples collected for the exposure period from May 2, 2025, to June 2, 2025.

The laboratory analysis report is presented in Appendix D.

The results for SO<sub>2</sub> and VOC samples show an ambient average concentration of 0.4 ppb and <0.7 ppb, respectively. The instrument-reported detection limits (RDL) are 0.2 ppb and 0.7 ppb, respectively. In comparison, the regional monitoring stations reported ambient SO<sub>2</sub> concentrations in May 2025, with Squamish Elementary and Langdale Elementary recorded lower concentrations of 0.3 ppb and 0.6 ppb, respectively.

## **4.3 Meteorology**

A summary of the meteorology conditions during May 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 May 3, 2025, at 15:00 (12.6 m/s), and the highest 24-hour average wind speed occurred on May 14 (3.7 m/s).



## Woodfibre LNG Air Quality Monitoring Station Report for May 2025

### Section 4: Ambient Air Quality Monitoring Results

July 7, 2025

Figure A.12 presents a wind rose illustrating wind direction and speed for May 2025 at the Woodfibre LNG meteorology station. The prevailing wind direction is from the northwest. 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 May 2025.

The daily ambient temperature data is presented in Figure A.14. The maximum hourly air temperature of 25.8°C was recorded on May 28, 2025, at 15:00, while the minimum hourly temperature of 4.5°C occurred on May 4, 2025, at 04:00. The monthly average temperature for May 2025 was 12.7°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 25.4 mm occurred on May 19, 2025. The total rainfall for May 2025 was 105.2 mm.

The daily average relative humidity ranged from 67.4% to 99.6% in May 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 1,008.9 hPa to 1,025.4 hPa in May 2025, with a monthly average of 1,017.8 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 May 2025 indicate that the PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP concentrations remained less than the BC Air Quality Objective regulatory standards. The hourly measured NO<sub>2</sub> 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 that required further investigation or a mitigation plan during May 2025.





## 6 References

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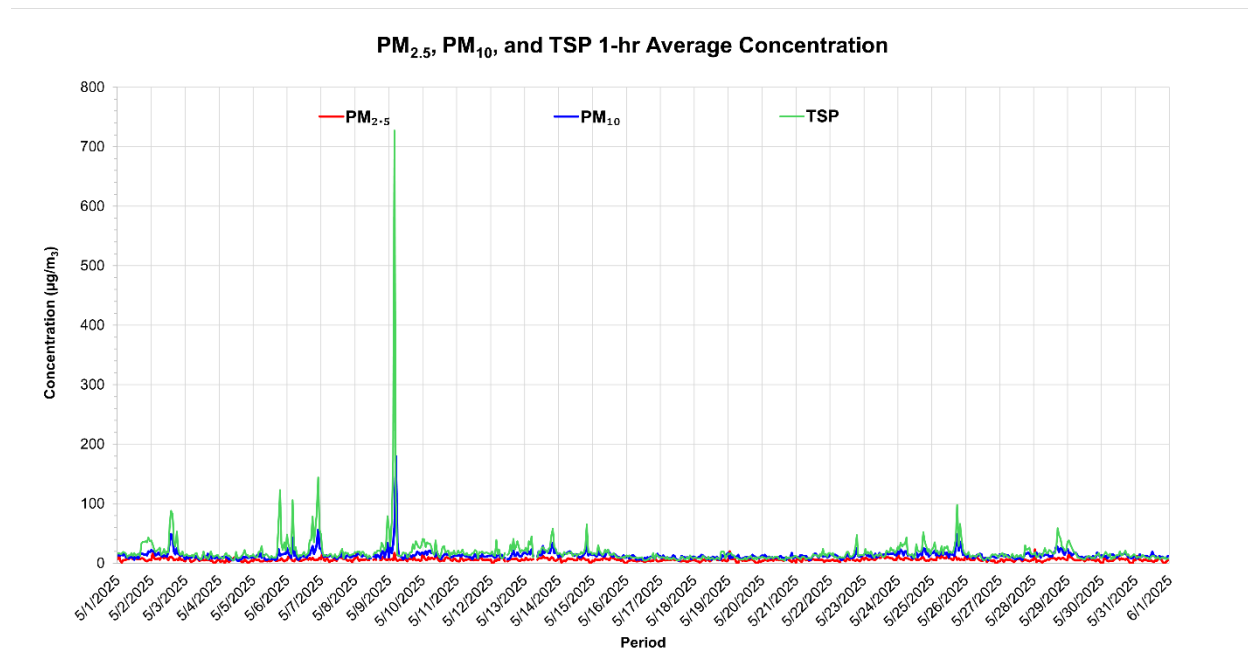
# Appendices



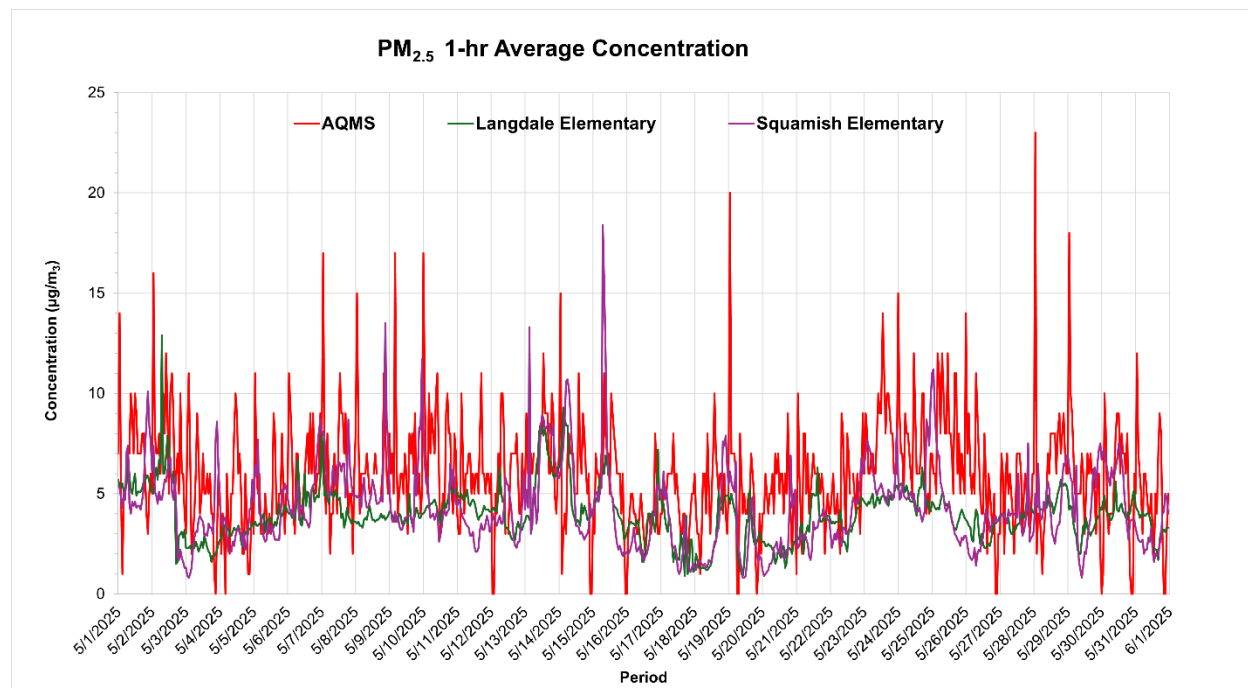
## **Appendix A      Figures**



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



**Figure A.2**      **Hourly PM<sub>2.5</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during May 2025**

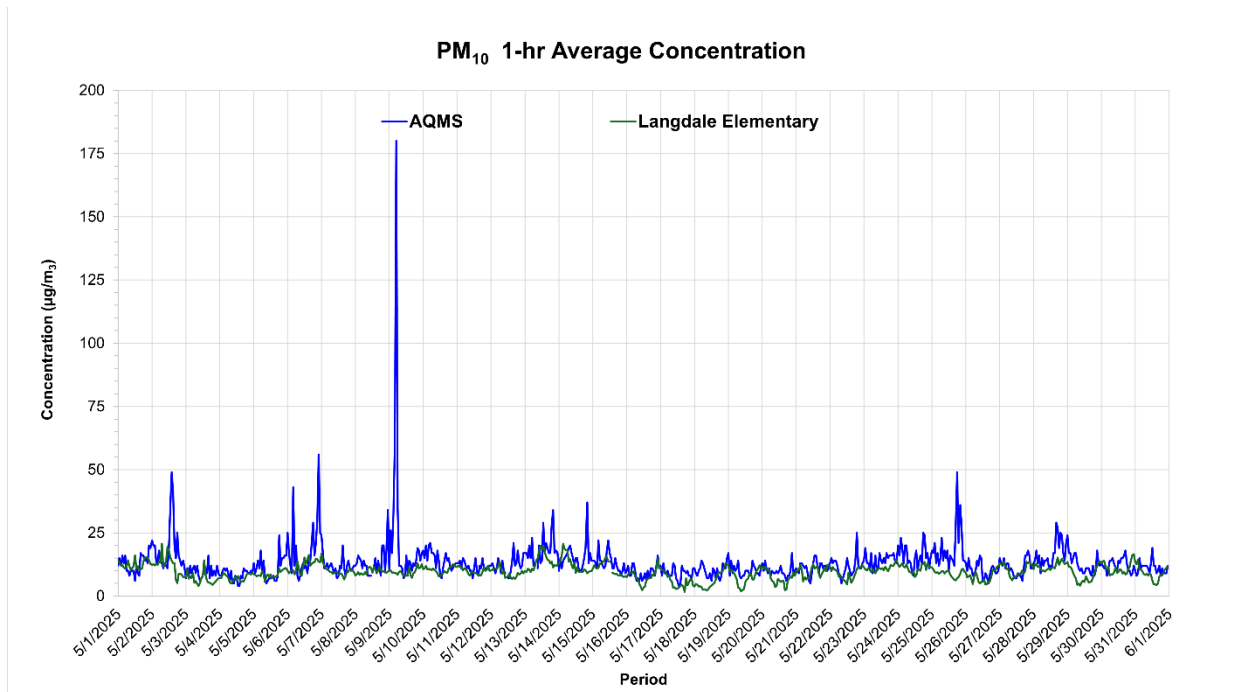


## Woodfibre LNG Air Quality Monitoring Station Report for May 2025

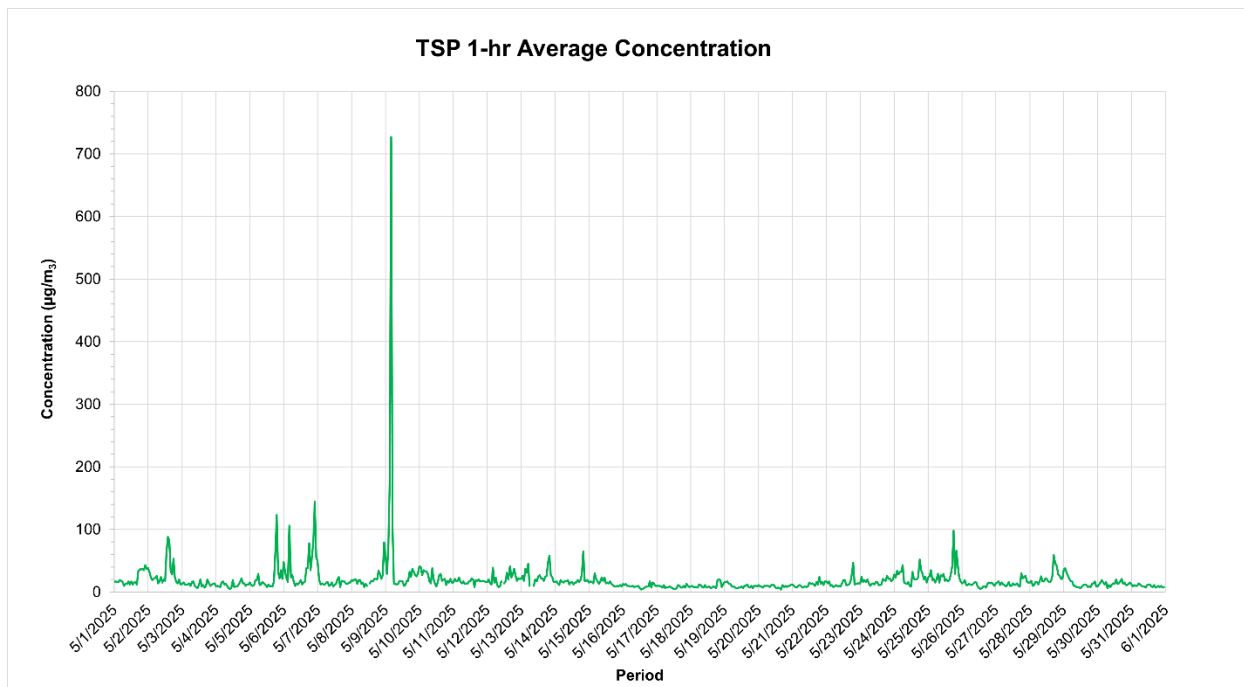
Appendix A: Figures

July 7, 2025

**Figure A.3** Hourly PM<sub>10</sub> Concentrations Recorded at the AQMS, and the Langdale Regional Air Quality Station during May 2025



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

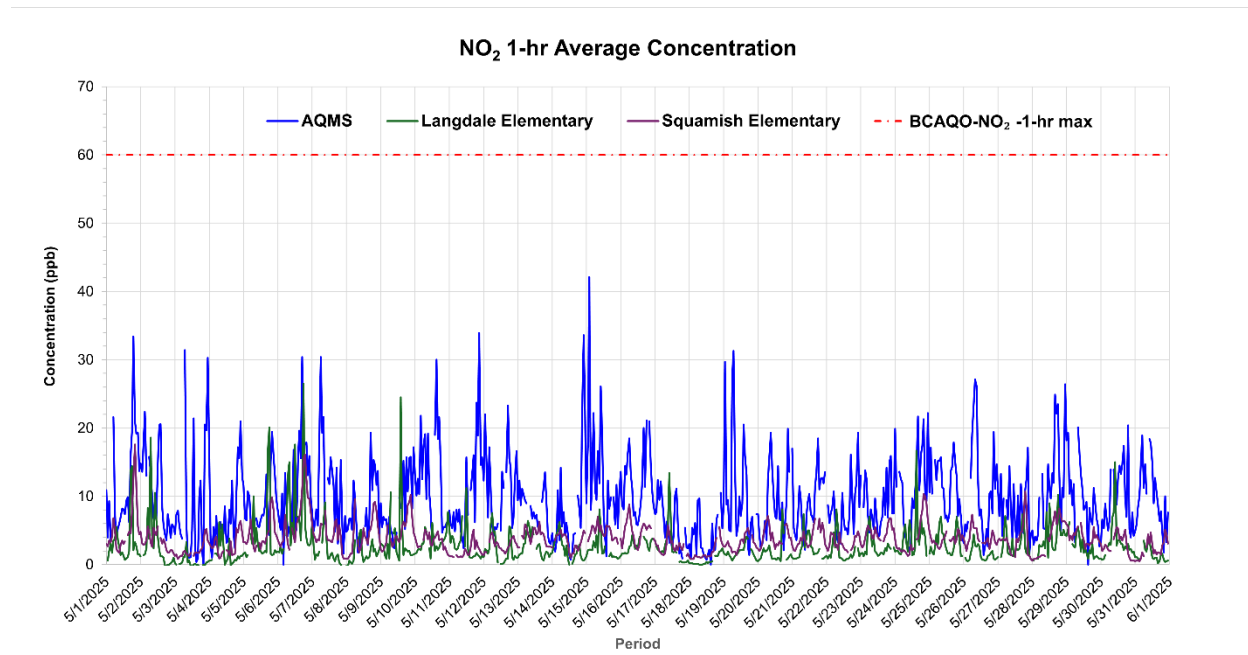


# Woodfibre LNG Air Quality Monitoring Station Report for May 2025

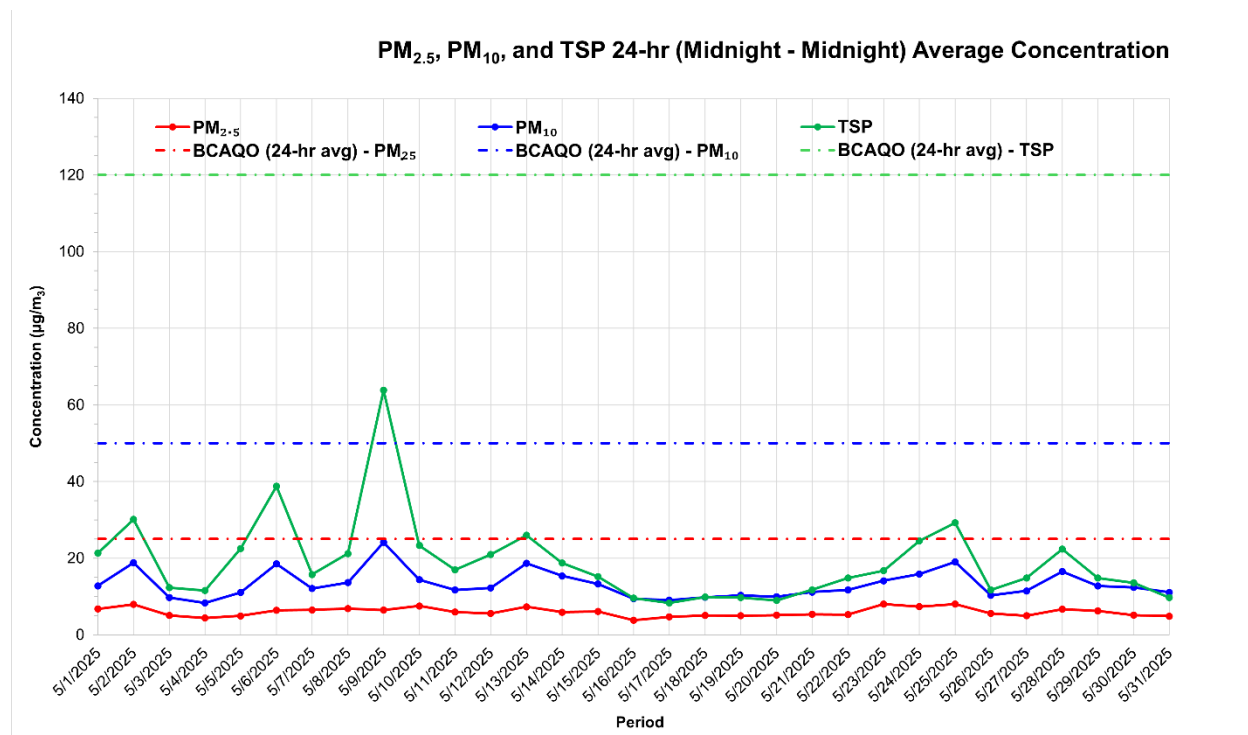
## Appendix A: Figures

July 7, 2025

**Figure A.5** Hourly NO<sub>2</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during May 2025



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

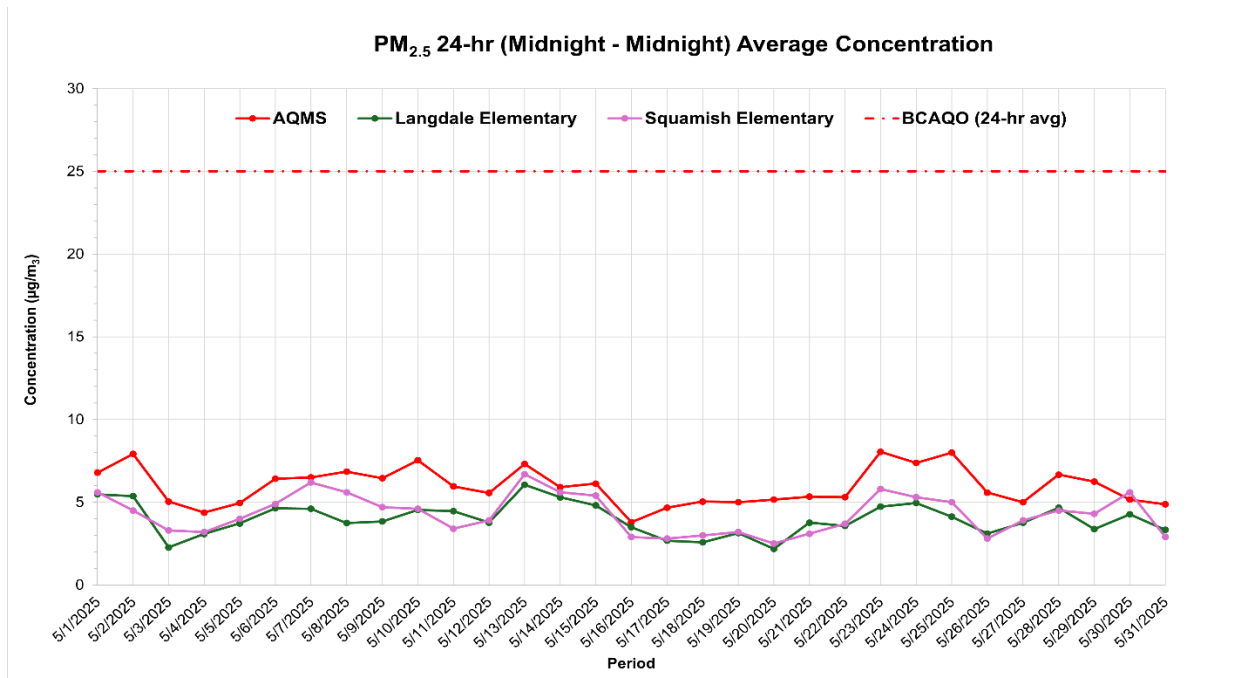


# Woodfibre LNG Air Quality Monitoring Station Report for May 2025

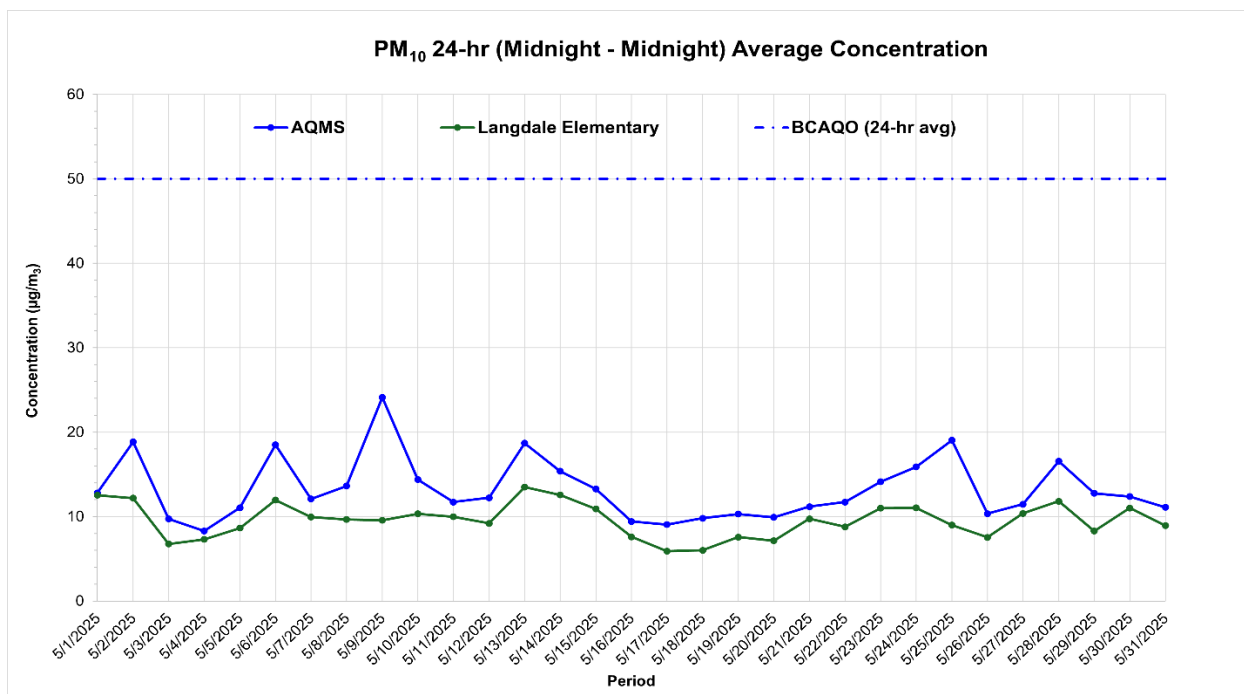
Appendix A: Figures

July 7, 2025

**Figure A.7 24-Hour Average PM<sub>2.5</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during May 2025**



**Figure A.8 24-Hour Average PM<sub>10</sub> Concentrations Recorded at the AQMS, and the Langdale Regional Air Quality Station during May 2025**

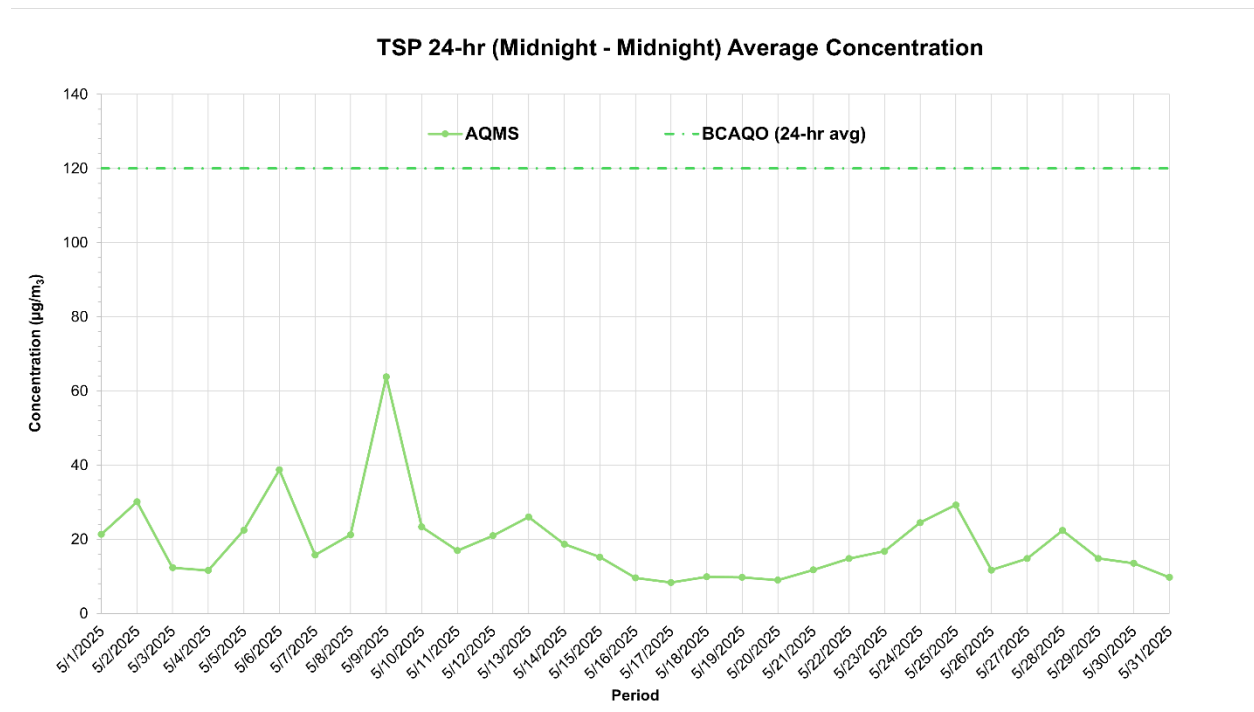


# Woodfibre LNG Air Quality Monitoring Station Report for May 2025

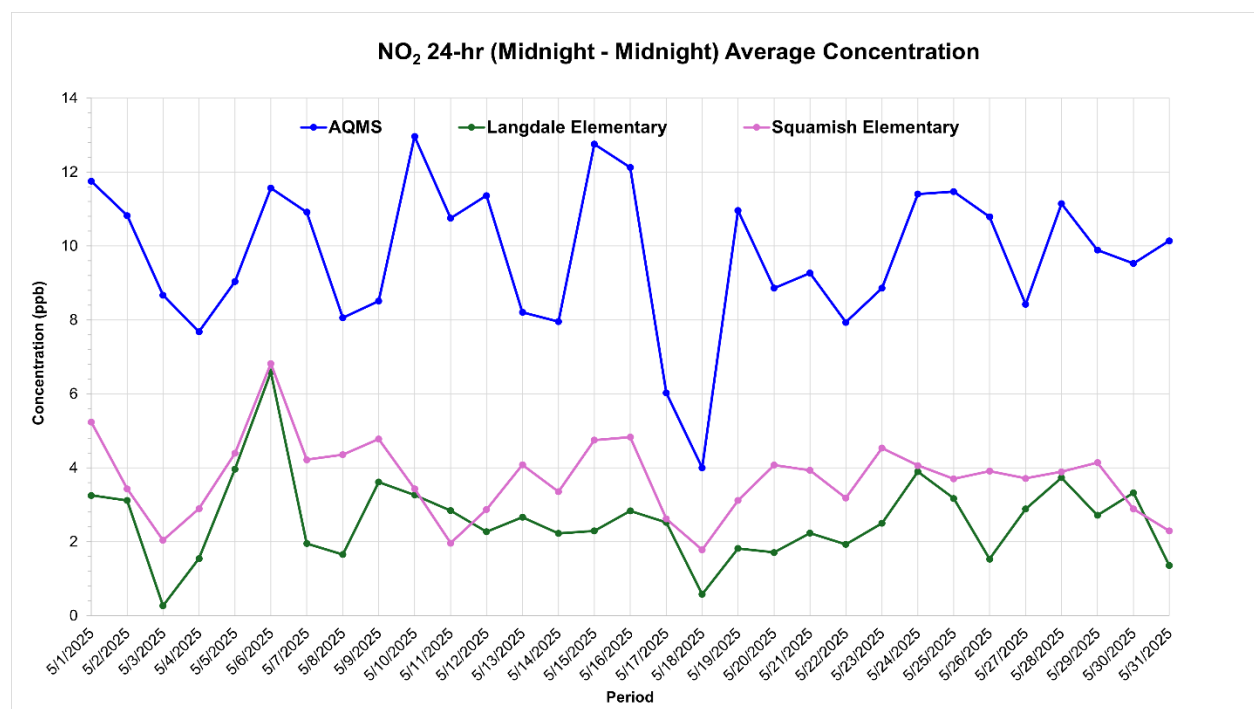
Appendix A: Figures

July 7, 2025

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



**Figure A.10 24-Hour Average NO<sub>2</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during May 2025**



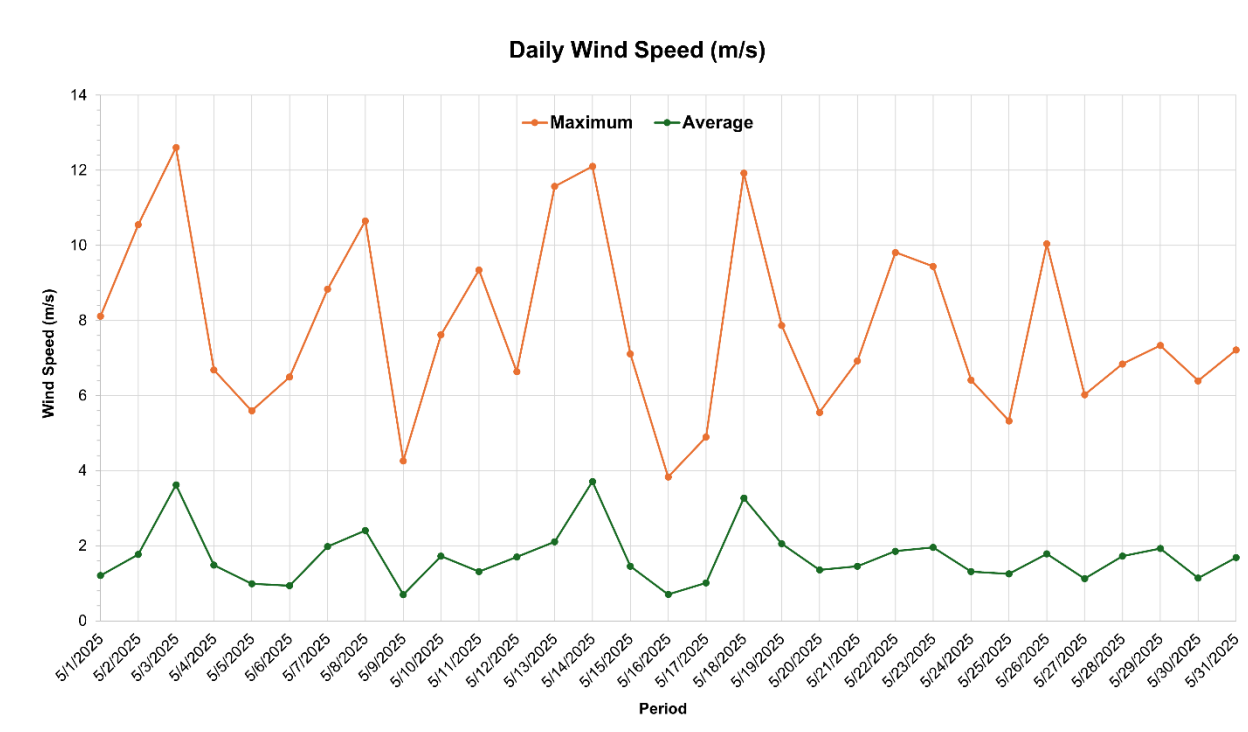


# Woodfibre LNG Air Quality Monitoring Station Report for May 2025

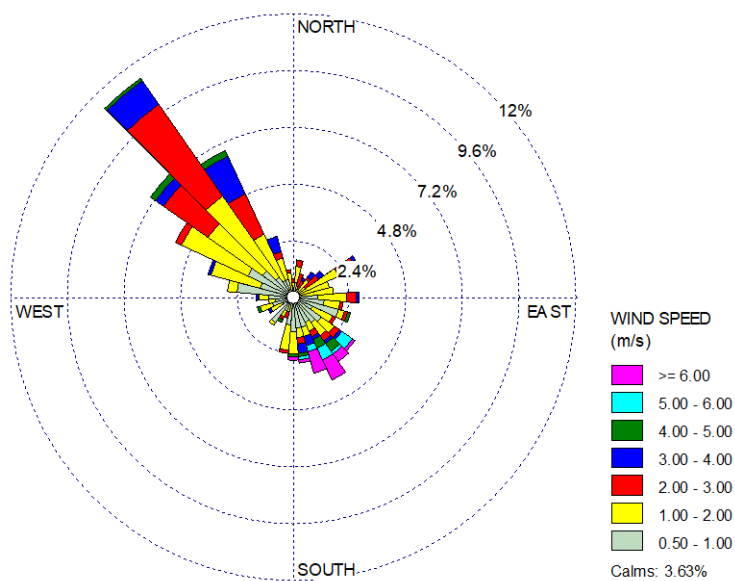
Appendix A: Figures

July 7, 2025

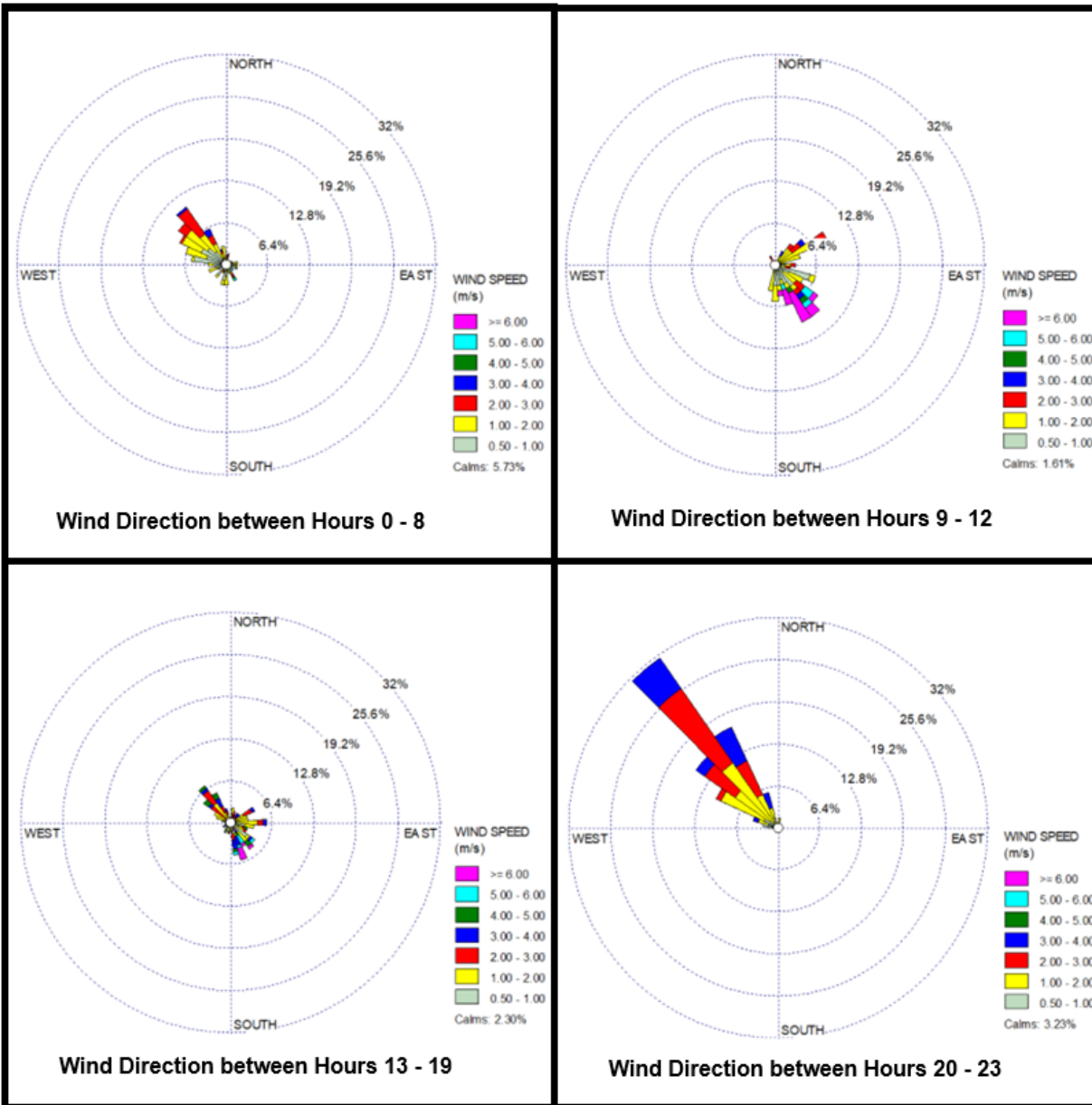
**Figure A.11** Daily Average and Maximum Wind Speed Recorded at the Woodfibre LNG Meteorology Station during May 2025



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



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

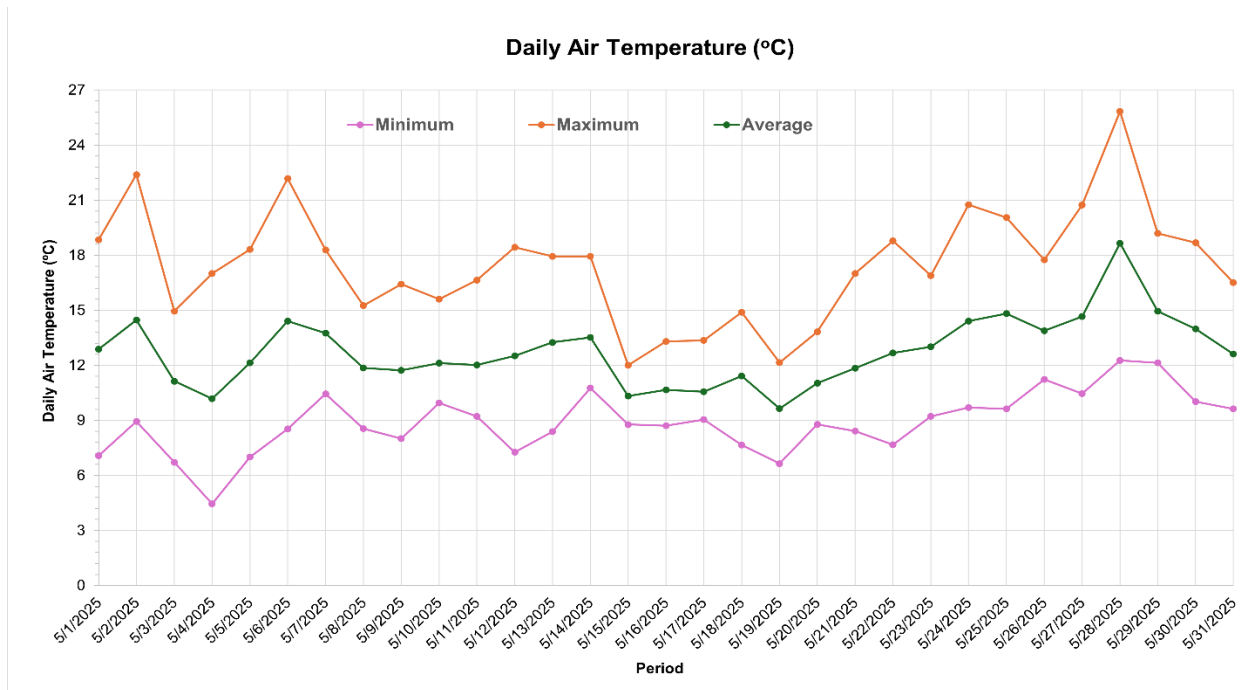


## Woodfibre LNG Air Quality Monitoring Station Report for May 2025

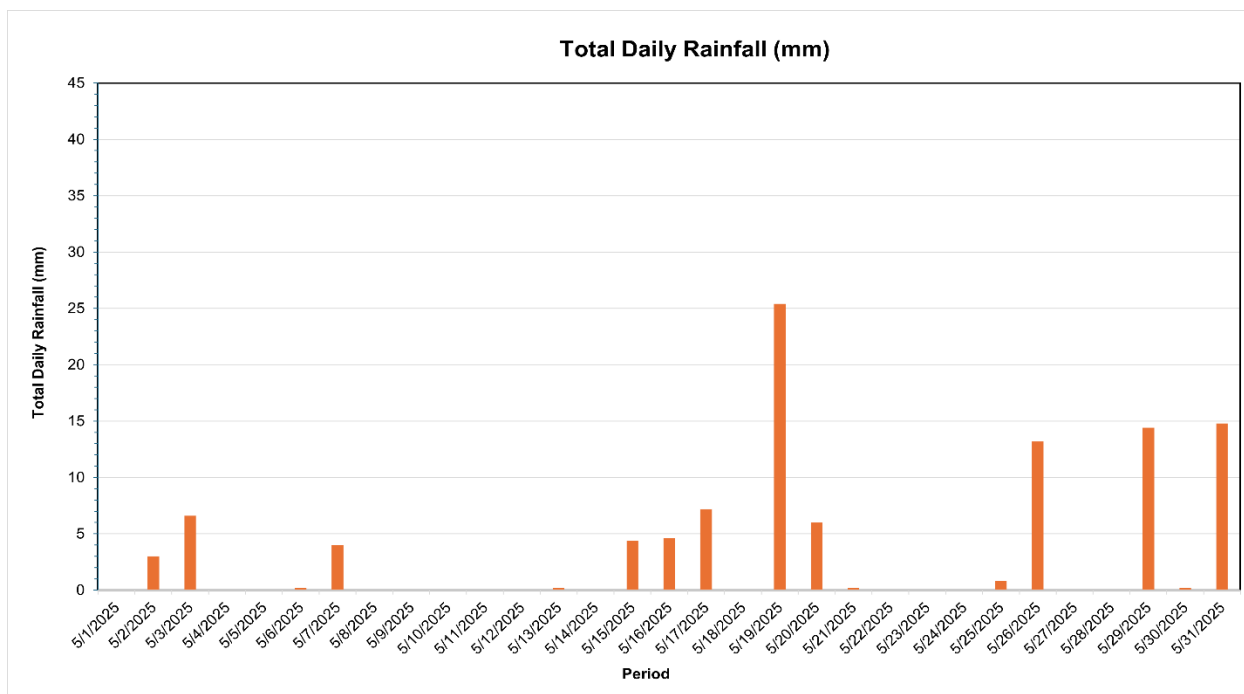
Appendix A: Figures

July 7, 2025

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



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

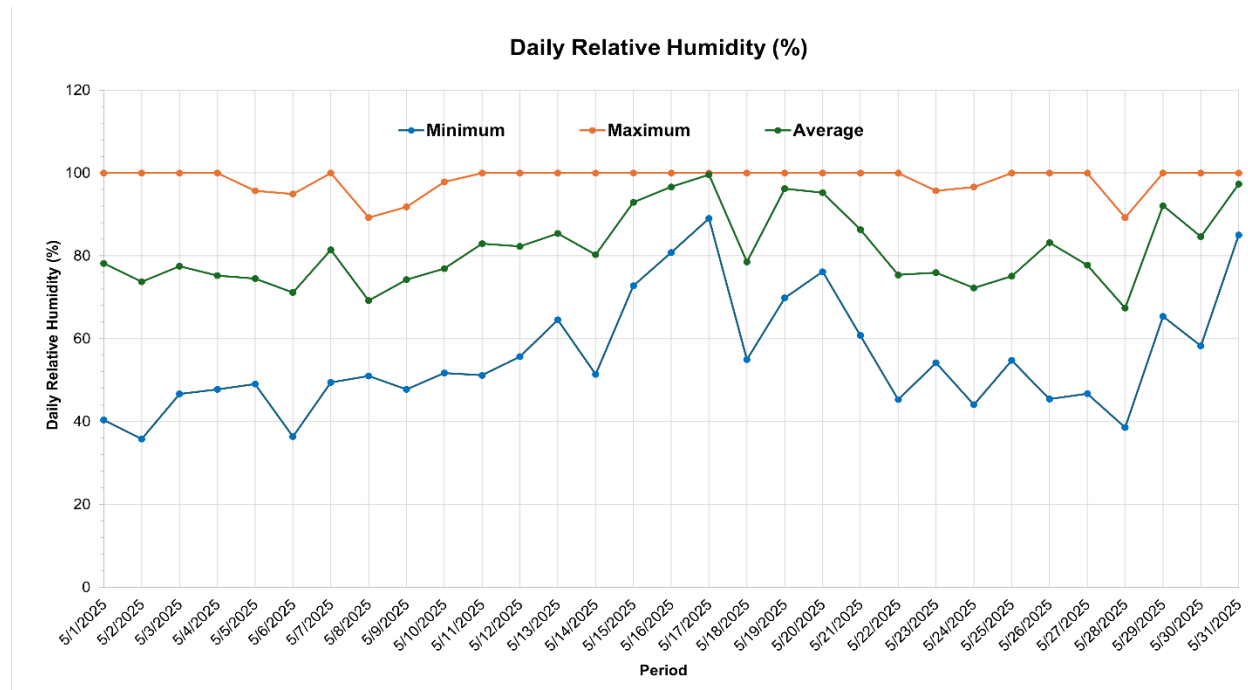


## Woodfibre LNG Air Quality Monitoring Station Report for May 2025

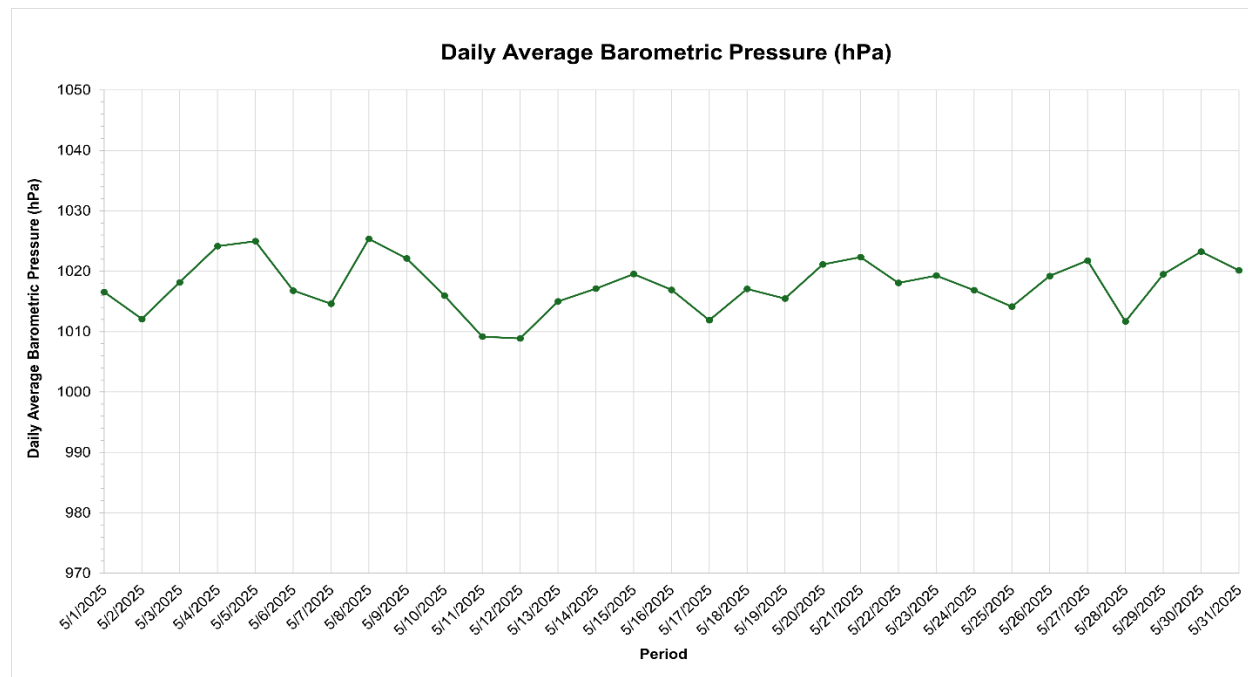
### Appendix A: Figures

July 7, 2025

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



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



## **Appendix B      Data Tables**



**Table B.1 Daily PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub> Concentrations Recorded at the AQMS for May 2025**

Date	AQMS (24-hr Average)				AQMS (1-hr Max)
	PM <sub>2.5</sub>	PM <sub>10</sub>	TSP	NO <sub>2</sub>	NO <sub>2</sub>
	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ppb	ppb
5/1/2025	6.8	12.8	21.3	11.8	33.4
5/2/2025	7.9	18.8	30.1	10.8	22.4
5/3/2025	5.0	9.7	12.3	8.7	31.4
5/4/2025	4.4	8.3	11.6	7.7	21.0
5/5/2025	5.0	11.0	22.5	9.0	19.4
5/6/2025	6.4	18.5	38.8	11.6	30.4
5/7/2025	6.5	12.1	15.8	10.9	30.4
5/8/2025	6.9	13.6	21.2	8.1	19.3
5/9/2025	6.5	24.1	63.8	8.5	17.2
5/10/2025	7.5	14.4	23.3	13.0	30.0
5/11/2025	6.0	11.7	17.0	10.8	33.9
5/12/2025	5.6	12.2	21.0	11.4	23.3
5/13/2025	7.3	18.7	26.0	8.2	13.5
5/14/2025	5.9	15.4	18.7	8.0	33.6
5/15/2025	6.1	13.3	15.2	12.8	42.1
5/16/2025	3.8	9.4	9.6	12.1	21.1
5/17/2025	4.7	9.0	8.3	6.0	12.4
5/18/2025	5.0	9.8	9.9	4.0	10.5
5/19/2025	5.0	10.3	9.8	11.0	31.3
5/20/2025	5.2	9.9	9.0	8.9	19.9
5/21/2025	5.3	11.2	11.8	9.3	18.5
5/22/2025	5.3	11.7	14.8	7.9	19.3
5/23/2025	8.0	14.1	16.8	8.9	15.9
5/24/2025	7.4	15.9	24.5	11.4	22.2
5/25/2025	8.0	19.0	29.3	11.5	17.9
5/26/2025	5.6	10.3	11.7	10.8	27.1
5/27/2025	5.0	11.5	14.8	8.4	17.1
5/28/2025	6.7	16.5	22.4	11.1	26.4
5/29/2025	6.3	12.8	14.8	9.9	20.1
5/30/2025	5.2	12.4	13.5	9.5	20.4
5/31/2025	4.9	11.1	9.8	10.1	18.9



**Woodfibre LNG Air Quality Monitoring Station Report for May 2025**

Appendix B: Data Tables

July 7, 2025

**Table B.2 Daily Wind Speed, Air Temperature, Relative Humidity, Barometric Pressure, and Rainfall Recorded at the Woodfibre LNG Meteorology Station for May 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		
5/1/2025	8.1	1.2	7.1	18.8	12.9	40.4	100.0	78.2	1016.5	0.0
5/2/2025	10.6	1.8	8.9	22.4	14.5	35.8	100.0	73.8	1012.1	3.0
5/3/2025	12.6	3.6	6.7	15.0	11.1	46.7	100.0	77.5	1018.2	6.6
5/4/2025	6.7	1.5	4.5	17.0	10.2	47.8	100.0	75.2	1024.2	0.0
5/5/2025	5.6	1.0	7.0	18.3	12.1	49.1	95.7	74.5	1025.0	0.0
5/6/2025	6.5	0.9	8.5	22.2	14.4	36.4	94.9	71.2	1016.8	0.2
5/7/2025	8.8	2.0	10.4	18.3	13.7	49.4	100.0	81.4	1014.6	4.0
5/8/2025	10.7	2.4	8.6	15.3	11.9	51.0	89.2	69.2	1025.4	0.0
5/9/2025	4.3	0.7	8.0	16.4	11.7	47.8	91.8	74.3	1022.1	0.0
5/10/2025	7.6	1.7	9.9	15.6	12.1	51.7	97.8	76.9	1015.9	0.0
5/11/2025	9.3	1.3	9.2	16.6	12.0	51.2	100.0	82.9	1009.2	0.0
5/12/2025	6.6	1.7	7.3	18.4	12.5	55.7	100.0	82.3	1008.9	0.0
5/13/2025	11.6	2.1	8.4	17.9	13.2	64.6	100.0	85.4	1015.0	0.2
5/14/2025	12.1	3.7	10.8	17.9	13.5	51.4	100.0	80.3	1017.1	0.0
5/15/2025	7.1	1.5	8.8	12.0	10.3	72.8	100.0	92.9	1019.5	4.4
5/16/2025	3.8	0.7	8.7	13.3	10.7	80.8	100.0	96.6	1016.9	4.6
5/17/2025	4.9	1.0	9.0	13.4	10.6	89.0	100.0	99.6	1011.9	7.2
5/18/2025	11.9	3.3	7.6	14.9	11.4	55.0	100.0	78.5	1017.1	0.0
5/19/2025	7.9	2.0	6.6	12.1	9.6	69.8	100.0	96.2	1015.5	25.4
5/20/2025	5.6	1.4	8.8	13.8	11.0	76.2	100.0	95.2	1021.1	6.0
5/21/2025	6.9	1.5	8.4	17.0	11.8	60.8	100.0	86.3	1022.3	0.2
5/22/2025	9.8	1.9	7.7	18.8	12.7	45.3	100.0	75.4	1018.1	0.0
5/23/2025	9.4	2.0	9.2	16.9	13.0	54.2	95.7	75.9	1019.3	0.0
5/24/2025	6.4	1.3	9.7	20.8	14.4	44.0	96.6	72.2	1016.9	0.0
5/25/2025	5.3	1.2	9.6	20.1	14.8	54.7	100.0	75.1	1014.1	0.8
5/26/2025	10.0	1.8	11.2	17.8	13.9	45.4	100.0	83.2	1019.2	13.2
5/27/2025	6.0	1.1	10.5	20.7	14.7	46.7	100.0	77.8	1021.7	0.0
5/28/2025	6.8	1.7	12.3	25.8	18.7	38.6	89.2	67.4	1011.7	0.0
5/29/2025	7.3	1.9	12.1	19.2	14.9	65.4	100.0	92.1	1019.5	14.4
5/30/2025	6.4	1.1	10.0	18.7	14.0	58.3	100.0	84.6	1023.2	0.2
5/31/2025	7.2	1.7	9.6	16.5	12.6	85.0	100.0	97.3	1020.1	14.8



## **Appendix C      Weekly AQMS Reports**





# WLNG AQMS - Weekly Reporting

## Reporting Period

This AQMS Weekly report covers the period from April 28 to May 4, 2025.

## Objective

This report summarizes the air quality monitoring data for the week of April 28 to May 4, 2025. This report includes an analysis of pollutants such as PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub>, 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 <sub>2.5</sub> (µg/m <sup>3</sup> )			PM <sub>10</sub> (µg/m <sup>3</sup> )			TSP (µg/m <sup>3</sup> )			NO <sub>2</sub> (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
28 Apr	2	17	7.3	6	24	14.2	7	49	22.3	6.6	31.2	16.4
29 Apr	2	7	4.3	5	14	8.4	5	16	10.8	2.3	13.7	6.7
30 Apr	0	8	5.0	8	20	12.1	8	35	15.6	2.8	17.9	8.7
1 May	1	14	6.8	6	20	12.8	10	43	21.3	3.6	33.4	11.8
2 May	4	16	7.9	11	49	18.8	12	88	30.1	3.6	22.4	10.8
3 May	0	11	5.0	6	16	9.7	6	20	12.3	0.0	31.4	8.7
4 May	0	10	4.4	4	11	8.3	5	22	11.6	1.0	21.0	7.7

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

- PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM<sub>10</sub>: 50 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- NO<sub>2</sub>: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicates that the 24-hour average for PM or one or more 1-hour maximum values for NO<sub>2</sub> exceed the respective threshold values.

**Table 2: Weekly Averages Summary – PM<sub>2.5</sub>, PM<sub>10</sub>, TSP and NO<sub>2</sub>**

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 <sub>2.5</sub>	µg/m <sup>3</sup>	0	17	5.8	16.7 (24-hr avg)	0	0
PM <sub>10</sub>	µg/m <sup>3</sup>	4	49	12.0	33.3 (24-hr avg)	0	0
TSP	µg/m <sup>3</sup>	5	88	17.7	80 (24-hr avg)	0	0
NO <sub>2</sub>	ppb	0.0	33.4	10.1	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	
28 Apr	4.9	1.1	7.8	12.0	9.9	6.4
29 Apr	6.1	1.1	7.8	15.4	10.7	1.2
30 Apr	6.4	1.6	7.1	16.8	11.5	0.0
1 May	8.1	1.2	7.1	18.8	12.9	0.0
2 May	10.6	1.8	8.9	22.4	14.5	3.0
3 May	12.6	3.6	6.7	15.0	11.1	6.6
4 May	6.7	1.5	4.5	17.0	10.2	0.0

**Table 4: Passive SO<sub>2</sub> 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-Apr to 4-May	No	No	No	No	No sample swap or lab analysis was performed during this period.

Note: This table mostly contains "No" entries because SO<sub>2</sub> 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 April 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 April 28 to May 4, construction activities included rock breaking in Areas 1100, 1200C, and 4100; excavation at the flare stack and 1100 Sump; and backfilling at CB5, P01–P02, and 1200D. Grading and granular placement were also conducted at the Flex Unit pad and 1300 roadway. Dust suppression measures, including dewatering and road watering, were ongoing.

**Summary of Daily Reports and Action Taken**

Category	Details	Action Taken	Resolution Status / Anticipated Completion Date
<b>AQ Exceedances Report</b>	No AQ exceedance was recorded during this Period.	No Action required.	Not Applicable.
<b>AQ Complaints</b>	No AQ complaint was received during this period.	No Action required.	Not Applicable.
<b>Alerts from the AQMS</b>	No alarms or instrument break-down was reported from AGAT during this period.	No Action required.	Not Applicable.
<b>Changes to the Monitoring Network</b>	No changes to the monitoring network during this period.	Not Applicable.	Not Applicable.
<b>Changes to Mitigation Measures</b>	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, and no further investigation was required.

# WLNG AQMS - Weekly Reporting

## Reporting Period

This AQMS Weekly report covers the period from May 5 to May 11, 2025.

## Objective

This report summarizes the air quality monitoring data for the week of May 5 to May 11, 2025. This report includes an analysis of pollutants such as PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub>, 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 <sub>2.5</sub> (µg/m <sup>3</sup> )			PM <sub>10</sub> (µg/m <sup>3</sup> )			TSP (µg/m <sup>3</sup> )			NO <sub>2</sub> (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
5 May	3	11	5.0	5	24	11.0	8	123	22.5	4.3	19.4	9.0
6 May	3	11	6.4	6	56	18.5	10	144	38.8	0.0	30.4	11.6
7 May	2	17	6.5	7	24	12.1	8	49	15.8	1.6	30.4	10.9
8 May	4	15	6.9	8	34	13.6	8	79	21.2	1.8	19.3	8.1
9 May	3	17	6.5	7	180	24.1	10	727	63.8	2.4	17.2	8.5
10 May	3	17	7.5	7	21	14.4	9	41	23.3	2.8	30.0	13.0
11 May	3	11	6.0	7	15	11.7	8	23	17.0	2.4	33.9	10.8

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

- PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM<sub>10</sub>: 50 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- NO<sub>2</sub>: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (DIHM), averaged over three consecutive years.

Bold Italic numbers indicates that the 24-hour average for PM or one or more 1-hour maximum values for NO<sub>2</sub> exceed the respective threshold values.

**Table 2: Weekly Averages Summary – PM<sub>2.5</sub>, PM<sub>10</sub>, TSP and NO<sub>2</sub>**

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 <sub>2.5</sub>	µg/m <sup>3</sup>	2	17	6.4	16.7 (24-hr avg)	0	0
PM <sub>10</sub>	µg/m <sup>3</sup>	5	180	15.1	33.3 (24-hr avg)	0	0
TSP	µg/m <sup>3</sup>	8	727	28.9	80 (24-hr avg)	0	0
NO <sub>2</sub>	ppb	0.0	33.9	10.3	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	
5 May	5.6	1.0	7.0	18.3	12.1	0.0
6 May	6.5	0.9	8.5	22.2	14.4	0.2
7 May	8.8	2.0	10.4	18.3	13.7	4.0
8 May	10.7	2.4	8.6	15.3	11.9	0.0
9 May	4.3	0.7	8.0	16.4	11.7	0.0
10 May	7.6	1.7	9.9	15.6	12.1	0.0
11 May	9.3	1.3	9.2	16.6	12.0	0.0

Table 4: Passive SO<sub>2</sub> 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
5-May to 11-May	Yes (Swapped on May 2)	Yes	Yes	No	NA

Note: SO<sub>2</sub> and VOC passive samples are swapped on a monthly basis. Passive samples were swapped on May 2, 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 May 5 to May 11, construction activities included rock breaking and excavation in the 1100 Sump and 1200C for the MSE Wall levelling slab, hauling and stockpiling material in the 4100, and backfilling at 1200 and east of M11. Additional earthworks included shaping the ramp to the Flare Stack Anchor and building a lock block wall at the batch plant.

#### Summary of Daily Reports and Action Taken

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

# WLNG AQMS - Weekly Reporting

## Reporting Period

This AQMS Weekly report covers the period from May 12 to May 18, 2025.

## Objective

This report summarizes the air quality monitoring data for the week of May 12 to May 18, 2025. This report includes an analysis of pollutants such as PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub>, 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 <sub>2.5</sub> (µg/m <sup>3</sup> )			PM <sub>10</sub> (µg/m <sup>3</sup> )			TSP (µg/m <sup>3</sup> )			NO <sub>2</sub> (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
12 May	0	10	5.6	7	21	12.2	8	41	21.0	4.2	23.3	11.4
13 May	4	12	7.3	11	34	18.7	10	58	26.0	3.0	13.5	8.2
14 May	0	15	5.9	10	37	15.4	11	65	18.7	0.7	33.6	8.0
15 May	0	11	6.1	8	22	13.3	9	30	15.2	1.2	42.1	12.8
16 May	0	8	3.8	6	16	9.4	4	17	9.6	5.8	21.1	12.1
17 May	2	8	4.7	4	13	9.0	5	13	8.3	0.9	12.4	6.0
18 May	1	10	5.0	6	15	9.8	6	20	9.9	0.0	10.5	4.0

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

- PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM<sub>10</sub>: 50 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- NO<sub>2</sub>: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicates that the 24-hour average for PM or one or more 1-hour maximum values for NO<sub>2</sub> exceed the respective threshold values.

**Table 2: Weekly Averages Summary – PM<sub>2.5</sub>, PM<sub>10</sub>, TSP and NO<sub>2</sub>**

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 <sub>2.5</sub>	µg/m <sup>3</sup>	0	15	5.5	16.7 (24-hr avg)	1	0
PM <sub>10</sub>	µg/m <sup>3</sup>	4	37	12.5	33.3 (24-hr avg)	0	0
TSP	µg/m <sup>3</sup>	4	65	15.5	80 (24-hr avg)	0	0
NO <sub>2</sub>	ppb	0.0	42.1	8.9	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	
12 May	6.6	1.7	7.3	18.4	12.5	0.0
13 May	11.6	2.1	8.4	17.9	13.2	0.2
14 May	12.1	3.7	10.8	17.9	13.5	0.0
15 May	7.1	1.5	8.8	12.0	10.3	4.4
16 May	3.8	0.7	8.7	13.3	10.7	4.6
17 May	4.9	1.0	9.0	13.4	10.6	7.2
18 May	11.9	3.3	7.6	14.9	11.4	0.0

**Table 4: Passive SO<sub>2</sub> 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
12-May to 18-May	No	No	No	No	No sample swap or lab analysis was performed during this period.

Note: SO<sub>2</sub> and VOC passive samples are swapped on a monthly basis. Passive samples were swapped on May 2, 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 May 12 to May 18, construction activities included rock breaking and excavation in the 1200C and 1200D areas for the MSE Wall levelling slab, road backfilling toward FST 1, and stockpile management in the 4100. Additional dust-generating activities included loading and hauling oversized materials from 4100, grading and backfilling at the 4200 and 1300 MOF areas, and placing Type D material in 1200D. Earthworks also involved building access pads and diversion berms, and trenching under FIWP-10.

**Summary of Daily Reports and Action Taken**

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

# WLNG AQMS - Weekly Reporting

## Reporting Period

This AQMS Weekly report covers the period from May 19 to May 25, 2025.

## Objective

This report summarizes the air quality monitoring data for the week of May 19 to May 25, 2025. This report includes an analysis of pollutants such as PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub>, 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 <sub>2.5</sub> (µg/m <sup>3</sup> )			PM <sub>10</sub> (µg/m <sup>3</sup> )			TSP (µg/m <sup>3</sup> )			NO <sub>2</sub> (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
19 May	0	20	5.0	7	17	10.3	6	17	9.8	1.4	31.3	11.0
20 May	2	9	5.2	6	17	9.9	4	12	9.0	2.1	19.9	8.9
21 May	1	10	5.3	5	16	11.2	7	24	11.8	2.2	18.5	9.3
22 May	2	9	5.3	5	25	11.7	8	47	14.8	3.1	19.3	7.9
23 May	6	14	8.0	9	19	14.1	10	26	16.8	4.0	15.9	8.9
24 May	4	15	7.4	8	25	15.9	9	52	24.5	2.2	22.2	11.4
25 May	5	12	8.0	10	49	19.0	15	98	29.3	4.1	17.9	11.5

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

- PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM<sub>10</sub>: 50 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- NO<sub>2</sub>: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold Italic numbers indicates that the 24-hour average for PM or one or more 1-hour maximum values for NO<sub>2</sub> exceed the respective threshold values.

**Table 2: Weekly Averages Summary – PM<sub>2.5</sub>, PM<sub>10</sub>, TSP and NO<sub>2</sub>**

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 <sub>2.5</sub>	µg/m <sup>3</sup>	0	20	6.3	16.7 (24-hr avg)	0	0
PM <sub>10</sub>	µg/m <sup>3</sup>	5	49	13.2	33.3 (24-hr avg)	0	0
TSP	µg/m <sup>3</sup>	4	98	16.5	80 (24-hr avg)	0	0
NO <sub>2</sub>	ppb	1.4	31.3	9.8	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	
19 May	7.9	2.0	6.6	12.1	9.6	25.4
20 May	5.6	1.4	8.8	13.8	11.0	6.0
21 May	6.9	1.5	8.4	17.0	11.8	0.2
22 May	9.8	1.9	7.7	18.8	12.7	0.0
23 May	9.4	2.0	9.2	16.9	13.0	0.0
24 May	6.4	1.3	9.7	20.8	14.4	0.0
25 May	5.3	1.2	9.6	20.1	14.8	0.8

Table 4: Passive SO<sub>2</sub> 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
19-May to 25-May	No	No	No	Yes	<b>Exposure Period (March):</b> SO <sub>2</sub> =0.2 ppb & VOC= <0.7 ppb

Note: SO<sub>2</sub> and VOC passive samples are swapped on a monthly basis. Passive samples were swapped on May 2, 2025, and shipped to AGAT Labs. The laboratory analysis report for the exposure periods of April 1 – May 2 (VOC and SO<sub>2</sub>) was received on May 23, 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 May 19 to May 25, construction activities included rock breaking and excavation in the 1200, 1200C, and 1200D areas for the MSE Wall and electrical trenching, as well as road maintenance and shaping slopes around the M09 Sump. Hauling and stockpiling of materials occurred in the 4100 and 4200 areas, with offloading of Type A and HD mix materials via barge. Additional dust-generating activities included backfilling in the 1100 and south of M11, building access routes and containment berms, and grading and smoothing of site surfaces.

#### Summary of Daily Reports and Action Taken

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



# WLNG AQMS - Weekly Reporting

## Reporting Period

This AQMS Weekly report covers the period from May 26 to June 1, 2025.

## Objective

This report summarizes the air quality monitoring data for the week of May 26 to June 1, 2025. This report includes an analysis of pollutants such as PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub>, 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 <sub>2.5</sub> (µg/m <sup>3</sup> )			PM <sub>10</sub> (µg/m <sup>3</sup> )			TSP (µg/m <sup>3</sup> )			NO <sub>2</sub> (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
26 May	0	14	5.6	5	16	10.3	5	19	11.7	1.4	27.1	10.8
27 May	2	7	5.0	6	18	11.5	9	30	14.8	1.6	17.1	8.4
28 May	1	23	6.7	9	29	16.5	10	59	22.4	2.9	26.4	11.1
29 May	2	18	6.3	8	24	12.8	6	38	14.8	0.0	20.1	9.9
30 May	0	10	5.2	8	18	12.4	6	21	13.5	3.1	20.4	9.5
31 May	0	12	4.9	8	19	11.1	7	14	9.8	1.8	18.9	10.1
1 June	0	11	5.8	7	17	12.3	6	21	12.5	0.0	14.4	6.6

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

- PM<sub>2.5</sub>: 25 µg/m<sup>3</sup> - Achievement based on annual 98th percentile of daily average, averaged over one year.
- PM<sub>10</sub>: 50 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- TSP: 120 µg/m<sup>3</sup> - Achievement based on the daily (24-hr) average.
- NO<sub>2</sub>: 60 ppb - Achievement based on annual 98th percentile of daily 1-hour average maximum (D1HM), averaged over three consecutive years.

Bold italic numbers indicates that the 24-hour average for PM or one or more 1-hour maximum values for NO<sub>2</sub> exceed the respective threshold values.

**Table 2: Weekly Averages Summary – PM<sub>2.5</sub>, PM<sub>10</sub>, TSP and NO<sub>2</sub>**

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 <sub>2.5</sub>	µg/m <sup>3</sup>	0	23	5.6	16.7 (24-hr avg)	0	0
PM <sub>10</sub>	µg/m <sup>3</sup>	5	29	12.4	33.3 (24-hr avg)	0	0
TSP	µg/m <sup>3</sup>	5	59	14.2	80 (24-hr avg)	0	0
NO <sub>2</sub>	ppb	0.0	27.1	9.5	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	
26 May	10.0	1.8	11.2	17.8	13.9	13.2
27 May	6.0	1.1	10.5	20.7	14.7	0.0
28 May	6.8	1.7	12.3	25.8	18.7	0.0
29 May	7.3	1.9	12.1	19.2	14.9	14.4
30 May	6.4	1.1	10.0	18.7	14.0	0.2
31 May	7.2	1.7	9.6	16.5	12.6	14.8
1 June	7.0	1.6	8.0	18.4	12.4	0.0

**Table 4: Passive SO<sub>2</sub> 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
26-May to 1-June	No	No	No	No	No sample swap or lab analysis was performed during this period.

Note: This table mostly contains "No" entries because SO<sub>2</sub> and VOC passive samples are swapped on a monthly basis, and this reporting period may not coincide with the sampling schedule.

**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 May 26 to June 1, clearing and breaking rock in the 1200D area, grading at piperack foundations, and backfilling at CB6, the MS03 access road, and the east Flare Stack foundation. Material handling and hauling occurred throughout areas 1100, 1200, and 4100, including stockpile maintenance and removal of oversized material. Additional activities such as access road construction and ramp preparation for pump truck access were underway.

**Summary of Daily Reports and Action Taken**

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

## **Appendix D      Passive SO<sub>2</sub> 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: 25C308805  
AIR QUALITY MONITORING REVIEWED BY: Bithi Nahar, Lab Technician  
DATE REPORTED: Jun 18, 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: 25C308805

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	0.5	0.4
Ambient VOC as Hexane	ppbv	2	<0.7	<0.7



**AGAT** Laboratories

## Certificate of Analysis

AGAT WORK ORDER: 25C308805

PROJECT: Woodfibre LNG

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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:

### Passive Air Quality Sampling

DATE RECEIVED: 2025-06-10

DATE REPORTED: 2025-06-18

		Site#01/ 02May/25,13:45 02Jun/25,13:33		Site#01/ 02May/25,13:45 02Jun/25,13:33	
SAMPLE DESCRIPTION:		/SO2		/TVOC	
SAMPLE TYPE:		FILTER		FILTER	
DATE SAMPLED:					
Parameter	Unit	G / S	RDL	6809285	6809288
Ambient Sulfur Dioxide	ppbv		0.2	0.5	-
Ambient VOC as Hexane	ppbv		0.7	-	<0.7

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

6809285-6809288 All samples are field blank subtracted.

Analysis performed at AGAT Calgary (unless marked by \*)

Certified By:

*S. Nahar.*



## Certificate of Analysis

AGAT WORK ORDER: 25C308805

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: 2025-06-10

DATE REPORTED: 2025-06-18

		Site#01/DUP		BLANK/		Site#01/DUP		BLANK/	
		02May/25,13:45		02May/25,13:45		02May/25,13:45		02May/25,13:45	
		02Jun/25,13:33		02Jun/25,13:33		02Jun/25,13:33		02Jun/25,13:33	
SAMPLE DESCRIPTION:		/SO2		/SO2		/TVOC		/TVOC	
SAMPLE TYPE:		FILTER		FILTER		FILTER		FILTER	
DATE SAMPLED:									
Parameter	Unit	G / S	RDL	6809286	6809287	6809289	6809290		
Ambient Sulfur Dioxide	ppbv		0.2	0.3	<0.2	-	-		
Ambient VOC as Hexane	ppbv		0.7	-	-	<0.7	<0.7		

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

Analysis performed at AGAT Calgary (unless marked by \*)

Certified By:

*S. Nahar.*

## Quality Assurance

CLIENT NAME: STANTEC CONSULTING LTD

PROJECT: Woodfibre LNG

SAMPLING SITE:

AGAT WORK ORDER: 25C308805

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLED BY:

### Air Quality Monitoring

RPT Date: Jun 18, 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	253	6809286	0.5	0.3	NA	< 0.2	102%	90%	110%	106%	80%	120%	115%	80%	120%
Ambient VOC as Hexane	186	6809289	<0.7	<0.7	NA	< 0.7	85%	60%	140%	122%	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: 25C308805

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



3700, 21st Street NE  
Calgary, AB  
T2E 6V6  
**P: 403.299.2158**  
**webalr.agatlabs.com**



Company: Stantec

Contact: Kashif Choudhry

Address: 255 – 2nd Avenue North  
Saskatoon, Saskatchewan, S7K 3P2

Phone: 306-717-2435 Fax: \_\_\_\_\_

LSD: \_\_\_\_\_

Client Project #: 123222160-12-2025.200

**Company:** Stantec  
**Contact:** accounts payable.invoices@stantec.com  
**Address:** 255 - 2nd Avenue North  
Saskatoon, Saskatchewan, S7K 3P2  
**Phone:** 306-717-2435 **Fax:** \_\_\_\_\_  
**PO/A/E#:** 123222160-12-2025.200

**Regular TAT** ☒ 5 to 7 working days

**Rush TAT**

- ☐ Less than 24 hours
- ☐ 24 to 48 hours
- ☐ 48 to 72 hours

**Date Required:** \_\_\_\_\_  
UPON FILLING OUT THIS SECTION,  
THE CLIENT ACCEPTS THAT SURCHARGES  
WILL BE ATTACHED TO THIS ANALYSIS.  
IF NOT COMPLETED REGULAR TAT WILL BE DEFAULT.

[illegible]

### Samuel Beckett's *Quad*: A Pilot Memo and Study

DATE/TIME

James Buchanan (1792-1868) was president in 1857.

Conte 7/10/16

5 Pink Copy - Client  
Yellow Copy - AGAT  
White Copy - AGAT

Page 1 of 1

Nº: 0690

Date Revised Nov 11, 2024