

# **Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

March 27, 2026

Prepared for:  
Woodfibre LNG General Partner Inc.

Prepared by:  
Stantec Consulting Ltd.

Project/File:  
123222160

## Limitations and Sign-off

This document entitled Woodfibre LNG Air Quality Monitoring Station Report for February 2026 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. 7, January 28, 2026 for the Woodfibre LNG Project (the “Project”). In connection therewith, this document may be reviewed and used by the British Columbia Environmental Assessment Office (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.

Prepared  
by:

\_\_\_\_\_  
Signature

Dr. Kashif Choudhry, P.Eng. (BC, ON, 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.  
Project Manager

\_\_\_\_\_  
Printed Name



## Executive Summary

This report provides a summary of the ambient air quality monitoring data for February 2026 that was collected in fulfilment of the requirements established in the Floatel Air Quality Monitoring and Mitigation Plan (Rev 7, January 28, 2026) (Woodfibre LNG 2026). Table ES.1 below presents the monthly averages, ranges, and maximum values for key air contaminant concentrations measured during February 2026, along with additional information on number of days with air quality exceedances, number of days with trigger level exceedances and complaints received during this period. This report provides an overview of ambient air quality conditions and regulatory compliance actions taken during February 2026.

Table ES.1 February 2026 Air Quality Monitoring Station Summary

Air Contaminant		Units	Monthly Average	Monthly Range (Min - Max)
PM <sub>1</sub> (24-hour average)		µg/m <sup>3</sup>	0.8	0.4 - 2.4
PM <sub>2.5</sub> (24-hour average)		µg/m <sup>3</sup>	6.7	4.8 - 10.1
PM <sub>10</sub> (24-hour average)		µg/m <sup>3</sup>	11.9	9.8 - 16.6
TSP (24-hour average)		µg/m <sup>3</sup>	13.2	10.0 - 22.2
NO <sub>2</sub> (24-hour average)		ppb	11.7	7.0 - 18.7
NO <sub>2</sub> (1-hour average)		ppb	11.7	0.0 - 33.9
SO <sub>2</sub>	February 4 – Mar 3, 2026	ppb	<0.2 <sup>a</sup>	
VOC as Hexane			6.3	
Number of Days with Air Quality Exceedances Recorded			None	
Number of Days with Trigger Level Exceedances Recorded			None	
Number of Complaints Received			None	

Note:

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



## Table of Contents

<b>Limitations and Sign-off</b> .....	<b>i</b>
<b>Executive Summary</b> .....	<b>ii</b>
<b>Acronyms / Abbreviations</b> .....	<b>v</b>
<b>1 Introduction</b> .....	<b>1</b>
<b>2 Key Components Assessed</b> .....	<b>3</b>
2.1 Meteorology .....	3
2.2 Air Contaminants of Interest .....	3
2.2.1 Continuous Sampling.....	3
2.2.2 Passive Sampling .....	4
2.3 Air Quality Criteria .....	4
<b>3 Instrument Summary</b> .....	<b>7</b>
3.1 Continuous Monitoring of PM and NO <sub>2</sub> .....	7
3.2 Passive Monitoring of SO <sub>2</sub> and VOC .....	7
<b>4 Ambient Air Quality Monitoring Results</b> .....	<b>8</b>
4.1 Continuous Monitoring of PM and NO <sub>2</sub> .....	8
4.2 Passive Monitoring of SO <sub>2</sub> and VOC .....	10
4.3 Meteorology .....	10
<b>5 Summary of Ambient Air Quality Monitoring Results</b> .....	<b>12</b>
<b>6 References</b> .....	<b>13</b>

### List of Tables

Table 2.1	Variables Measured at the Woodfibre LNG Site Meteorology Station.....	3
Table 2.2	Summary of 2020, 2025 and 2030 Canadian Ambient Air Quality Standards for the Contaminants of Potential Concern .....	4
Table 2.3	British Columbia Ambient Air Quality Objectives .....	5
Table 3.1	Summary of Instrumentation used at the Woodfibre LNG Air Quality Monitoring Station .....	7

### List of Figures

Figure 1.1	Map of the Woodfibre LNG Site .....	2
------------	-------------------------------------	---



## **List of Appendices**

- Appendix A**    **Figures**
- Appendix B**    **Data Tables**
- Appendix C**    **DPM Monitoring and Health Risk for Off-Duty Floatel Residents**
- Appendix D**    **Station Calibration and Maintenance Record**
- Appendix E**    **Passive SO<sub>2</sub> and VOC Samples – Lab Analysis Report**



## 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
DPM	Diesel Particulate Matter
EAC	Environmental Assessment Certificate
EAO	British Columbia Environmental Assessment Office
Floatel(s)	Marine-based work camp, associated facilities and mooring infrastructure dedicated to housing up to 705 and 735 workers (including crew), Floatel #1 and Floatel #2, respectively, during the Construction and Commissioning of the Project
FAQMMP	Floatel Air Quality Monitoring and Mitigation Plan
NO <sub>2</sub>	Nitrogen Dioxide
PM	Particulate Matter
PM <sub>1</sub>	Fine Particulate Matter (less than 1.0 microns (µm) in aerodynamic diameter)
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)
VOC	Volatile Organic Compounds
Woodfibre LNG	Woodfibre LNG General Partner Inc.



# 1 Introduction

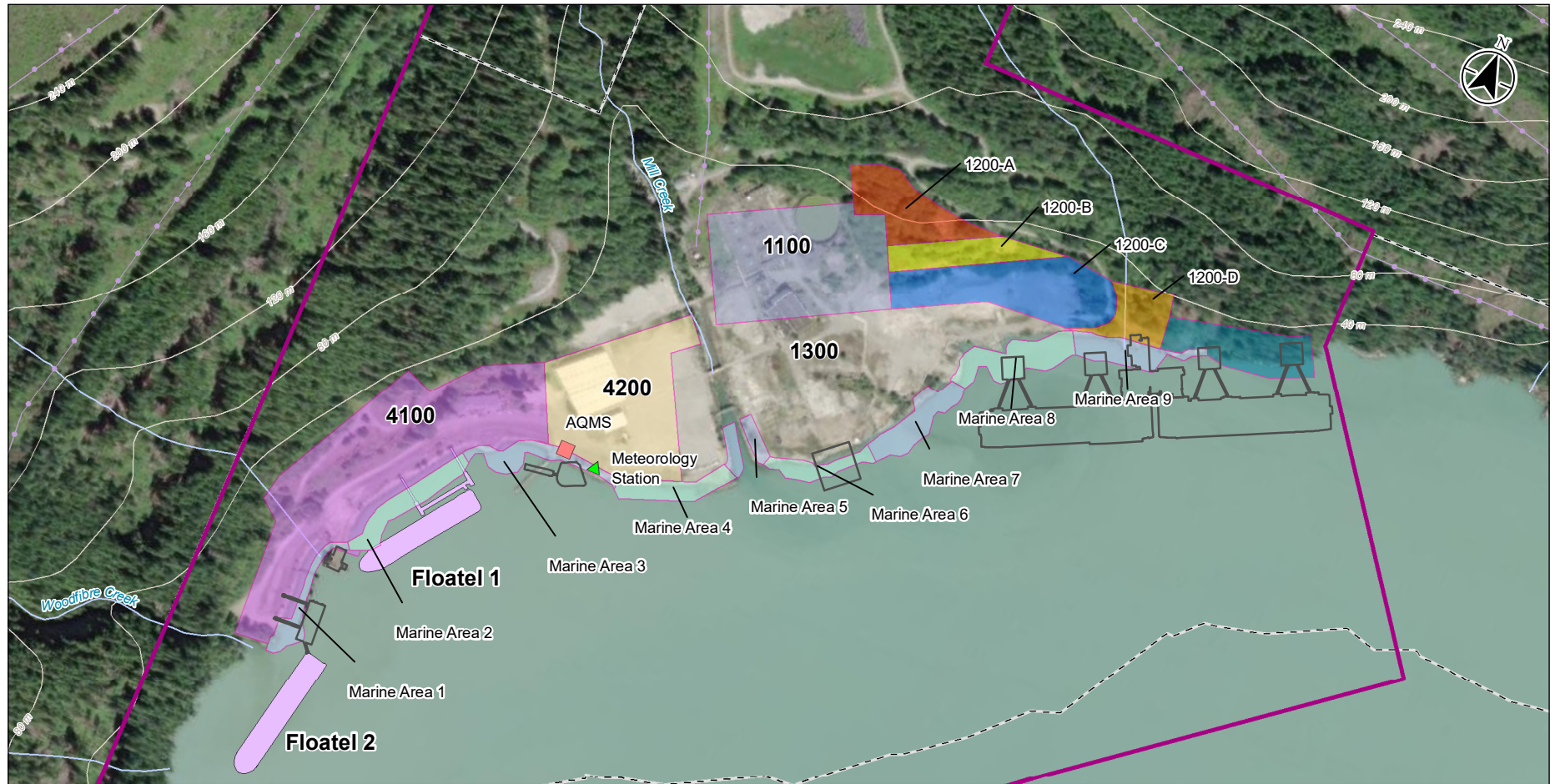
Woodfibre LNG General Partner Inc. (Woodfibre LNG) is developing the Woodfibre Liquefied Natural Gas Project (the Project) at the former Woodfibre Pulp Mill site, approximately seven kilometres southwest of Skwxwú7mesh (Squamish), British Columbia (BC). To support onsite ambient air quality monitoring, Stantec Consulting Ltd. (Stantec) prepared the Floatel Air Quality Monitoring and Mitigation Plan (FAQMMP; Rev 7, January 28, 2026) on behalf of Woodfibre LNG (Woodfibre LNG 2026). The FAQMMP has been updated to satisfy the requirements of Conditions 35 and 37 of the Environmental Assessment Certificate (EAC) Amendment #4 (EAO 2025) specific to air quality monitoring. The previous version of the FAQMMP was developed to satisfy the requirements of Condition 30 of EAC Amendment #3 (EAO 2023), which was rescinded with the issuance of Amendment #4 on November 6, 2025. The objective of the monitoring is to support the protection of off-duty workers accommodated on the Floatels during the Project's construction phase. Further details regarding the purpose, duration, and compliance framework are available in the FAQMMP Rev 7 January 28, 2026 (Woodfibre LNG 2026).

The air quality monitoring station (AQMS) continuously measures PM<sub>1</sub>, 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, Ministry of Environment & Parks (BC ENVP)).

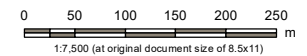
The location of the AQMS (UTM Easting 481,569 m and Northing 5,501,374 m, NAD83 datum, zone 10U) is adjacent to the existing meteorology station (UTM Easting 481,610 m and Northing 5,501,369 m, NAD83 datum, zone 10U) currently in operation at the Woodfibre LNG site as recommended in the FAQMMP. Figure 1.1 provides a map of the Woodfibre LNG site. This February 2026 monthly air quality report provides data on air quality and meteorology conditions monitored at the Woodfibre LNG Project site close to the Floatels (Floatel #1 and Floatel # 2). These monthly reports track ambient air quality trends, address potential issues, and support the protection of off-duty workers residing in the Floatels.



S:\1232\project\123222160\figures\supplereports\human\_health\fig\_1\_123222160\_float\_monitoring.mxd Revised: 2026-03-02 By: jsparker



- Transmission Line
- Topographic Contour
- Watercourse
- Municipal Boundary
- Supporting Infrastructure
- Floatel
- Certified Project Area
- Meteorology Station
- AQMS



Project Location: Woodfibre, British Columbia  
 Project Number: 123222160  
 Prepared by: JPOUCHER 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**

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

## 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 meteorological variables measured at the station are listed in Table 2.1. The meteorology data is summarized each year in a technical data report (TDR). The annual meteorology TDR provides data summaries and trends for wind speed and direction, air temperature, rainfall, relative humidity and barometric pressure and compares it to the climate data collected at the Squamish Airport station that is operated by Environment and Climate Change Canada (ECCC).

Table 2.1 Variables Measured at the Woodfibre LNG Site Meteorology Station

Variables	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 1.0 microns (PM<sub>1</sub>)
- Fine 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 2025) and British Columbia Air Quality Objectives (BC AQO) (BC ENVP 2025a) regulatory criteria, are presented in Table 2.2 and Table 2.3, respectively.

Table 2.2 Summary of 2020, 2025 and 2030 Canadian Ambient Air Quality Standards for the Contaminants of Potential Concern

Pollutant	Averaging Period	Concentration <sup>a</sup>				
		(µg/m <sup>3</sup> ) <sup>b,c</sup>			(ppbv) <sup>d</sup>	
		2020	2025	2030	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>	23	—	—
	Annual <sup>k</sup>	8.8	— <sup>j</sup>	8.0	—	—

Notes:

<sup>a</sup> Canadian Ambient Air Quality Standards (CCME 2025) for 2020, 2025 and 2030.

<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 98th 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 99th 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 98th percentile of the daily 24-hour average concentrations.

<sup>j</sup> The 2020 CAAQS for PM<sub>2.5</sub> remains applicable through 2029. The updated 2030 CAAQS have been published by CCME (24-hour = 23 µg/m<sup>3</sup>; annual = 8.0 µg/m<sup>3</sup>) but do not come into effect until 2030.

<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 February 2026**

Section 2: Key Components Assessed

March 27, 2026

*Table 2.3 British Columbia Ambient Air Quality Objectives*

Pollutant	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>	170	65
	Annual <sup>h</sup>	10.5	4
Fine Particulate Matter (PM <sub>2.5</sub> )	24-hour <sup>i</sup>	25	—
	Annual <sup>j</sup>	8.0	—
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 2025a).
- <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.

The particle sizes for diesel particulate matter (DPM) mostly fall within the range of 0.1 to 0.25  $\mu\text{m}$ , with approximately 92% of particles emitted from diesel engines being less than 1.0  $\mu\text{m}$  in diameter (PM<sub>1</sub>) (NTP, 2021). Floatel # 2 arrived on site on November 27, 2025, and occupancy began on December 9, 2025. Diesel power generators were used onboard Floatel #2 until shore power became available on February 25, 2026. There are currently no CAAQS or BC AQO established for DPM. The measured PM<sub>1</sub> concentrations (as a conservative indicator without distinguishing contributions from sources such as diesel combustion exhaust, biomass combustion, or gasoline emissions to measure DPM exposure) will therefore be evaluated against the recommended occupational exposure limit of 20  $\mu\text{g}/\text{m}^3$  (CAREX Canada, 2020), based on a 10-hour averaging period consistent with the construction work shift for the duration of diesel generator operation.



## Woodfibre LNG Air Quality Monitoring Station Report for February 2026

Section 2: Key Components Assessed

March 27, 2026

In addition to comparing measured concentrations against the applicable BC AQOs, 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 BC AQOs 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  $\text{PM}_{2.5}$
- 33.3  $\mu\text{g}/\text{m}^3$  for 24-hour average  $\text{PM}_{10}$
- 80  $\mu\text{g}/\text{m}^3$  for 24-hour average TSP
- 40 ppb for 1-hour average  $\text{NO}_2$

For  $\text{PM}_{10}$  (DPM), the project uses a proactive approach with two trigger levels based on an 8-hour average:

- Level 1: 8-hour average - 15  $\mu\text{g}/\text{m}^3$  (3/4 of the CAREX Canada, 2020)
- Level 2: 8-hour average - 20  $\mu\text{g}/\text{m}^3$  (recommended occupational exposure limit by CAREX Canada, 2020)

The passive sampling of  $\text{SO}_2$  and total VOCs allows for monthly and annual concentration values, rather than 1-hour and daily concentrations. There are no applicable monthly BC AQO for  $\text{SO}_2$  and VOC but there is an annual BC AQO for  $\text{SO}_2$  to compare the monitoring results to. The monthly trigger limit for the passive monitoring of  $\text{SO}_2$  and VOC were introduced in Q4 2025 and are:

- 5 ppb for monthly passive  $\text{SO}_2$
- > 15 times of the previous monthly passive VOC



### 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-NO<sub>2</sub>-NO<sub>x</sub> gas analyzer was recalibrated on February 3, 2026, between 6:00 AM and 10:00 AM. In addition, the quarterly maintenance including and calibration of the three BAMs (PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP) was completed on February 4–5, 2026.

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>1</sub>	Aeroqual AQS1 Air Quality Monitor
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 42iQ (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.11; Appendix B: Table B.1), and b) meteorology data acquired from the Woodfibre LNG meteorology station (Appendix A: Figure A.12 to Figure A.18; 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 February 2026 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 2025b) and Squamish Elementary (BC ENVP 2025c) 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<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 measures TSP and VOCs. PM<sub>1</sub> was also monitored as a conservative indicator of DPM during the operation of the onboard generators on Floatel # 2 (Appendix A, Figure A.6). There are no BC ENVP ambient air quality monitoring stations in the region that measure PM<sub>1</sub>. The measured PM<sub>1</sub> concentrations were compared to the recommended occupational exposure limit of 20 µg/m<sup>3</sup> from CAREX Canada (2020), based on a 10-hour work shift. A comparison of DPM monitoring results to applicable health-based benchmarks, used to evaluate the potential health risk to off-duty workers residing on Floatel #1 and Floatel #2, is presented and discussed in Appendix C.

During February 2026, the hourly PM<sub>2.5</sub> concentrations ranged from 0<sup>1</sup> to 31 µg/m<sup>3</sup>, the hourly PM<sub>10</sub> concentrations ranged from 5 to 38 µg/m<sup>3</sup>, the hourly TSP concentrations ranged from 5 to 56 µg/m<sup>3</sup>, and the hourly NO<sub>2</sub> concentrations ranged from 0<sup>2</sup> to 33.9 ppb. The hourly results for the NO<sub>2</sub> concentration monitoring during February were less than the BC AQO 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 2025; BC ENVP 2025a).

---

<sup>1</sup> The BAM 1020 instrument recording the PM<sub>2.5</sub> concentrations may occasionally report slightly negative values when they are very low. 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 they 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.



## Woodfibre LNG Air Quality Monitoring Station Report for February 2026

### Section 4: Ambient Air Quality Monitoring Results

March 27, 2026

During February 2026, the hourly PM<sub>1</sub> concentrations ranged from 0.1 to 4.1 µg/m<sup>3</sup>. The 10-hour rolling average ranged from 0.3 to 3.2 µg/m<sup>3</sup>, the 24-hour average ranged from 0.4 to 2.4 µg/m<sup>3</sup>, and the monthly average was 0.8 µg/m<sup>3</sup> (Appendix A, Figure A.6; Appendix B: Table B.1). The 10-hour rolling and 24-hour average PM<sub>1</sub> concentrations for February 2026 were below the CAREX Canada recommended occupational exposure limit of 20 µg/m<sup>3</sup>. The quarterly maintenance including and calibration of the three BAMs (PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP) and NO-NO<sub>2</sub>-NO<sub>x</sub> gas analyzer's was completed on February 3 - 5, 2025 (Appendix D).

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 February 2026 is presented in Appendix B: Table B.1 and Figure A.7 to Figure A.11 (Appendix A), with corresponding regulatory criteria and comparisons with Langdale Elementary and Squamish Elementary regional air quality monitoring stations.

During February 2026, the 24-hour average PM<sub>2.5</sub> concentrations ranged from 4.8 to 10.1 µg/m<sup>3</sup>, 24-hour average PM<sub>10</sub> concentrations ranged from 9.8 to 16.6 µg/m<sup>3</sup>, 24-hour average TSP concentrations ranged from 10.0 to 22.2 µg/m<sup>3</sup>, and 24-hour average NO<sub>2</sub> concentrations ranged from 7.0 to 18.7 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. The 24-hour BC AQO 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 2025; BC ENVP 2025a). 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. There is currently no 24-hour BC AQO for NO<sub>2</sub>. The 24-hour results for PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP were less than the BC AQO 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 non-conformances were recorded for these contaminants of interest.

The available data for February 2026 alone does not cover a full year and is therefore not applicable for comparison with the annual regulatory standards set for PM<sub>2.5</sub>, TSP, and NO<sub>2</sub> by BC AQO and CAAQS. The February 2026 monthly average PM<sub>2.5</sub> concentration is 6.7 µg/m<sup>3</sup>. The combined average for January and February 2026 is 6.9 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 two-month average does not represent a yearly valid average for comparison with these regulatory standards. Similarly, the February monthly average TSP concentration is 13.2 µg/m<sup>3</sup>. The combined average TSP concentration for January and February 2026 is 13.4 µg/m<sup>3</sup>, less than the BCAQO annual regulatory standard of 60 µg/m<sup>3</sup>. The monthly average NO<sub>2</sub> concentration in February 2026 is 11.7 ppb. The combined average NO<sub>2</sub> concentration from January to February 2026 is 13.4 ppb, less than the BC AQO (17 ppb) and greater than the CAAQS annual regulatory standard (12 ppb).



The NO<sub>2</sub> project-specific trigger level is based on a 1-hour average, while the PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP trigger levels are based on 24-hour averages. None of the measured NO<sub>2</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>, or TSP concentrations were greater than the project-specific trigger levels of 40 ppb, 16.7 µg/m<sup>3</sup>, 33.3 µg/m<sup>3</sup>, and 80 µg/m<sup>3</sup>, respectively, at the on-site AQMS during February 2026. PM<sub>1</sub> project-specific trigger levels include an 8-hour Level 1 trigger of 15 µg/m<sup>3</sup> and an 8-hour Level 2 trigger of 20 µg/m<sup>3</sup>. PM<sub>1</sub> measurements during February 2026 remained below both the project-specific trigger limits. No air quality complaints were received from the Floatel #1 and Floatel # 2 residents during February 2026.

## **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 March 3, 2026. This report includes the results for samples collected for the exposure period from February 4, 2026, to March 3, 2026. The laboratory analysis report is presented in Appendix E.

The results for SO<sub>2</sub> and VOC samples show exposure-period average ambient SO<sub>2</sub> concentration of <0.2 ppb and an ambient average VOC concentration of 6.3 ppb. 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 comparable to, or slightly higher than, those monitored in February 2026, with Squamish Elementary reporting a monthly average of 0.0 ppb (daily concentrations ranging from -0.2 to 0.7 ppb) and Langdale Elementary recording 0.8 ppb. In December 2025 and January 2026, the recorded SO<sub>2</sub> concentrations were below 0.2 ppb, while the VOC concentrations were below 0.7 ppb and 5.2 ppb, respectively.

## **4.3 Meteorology**

A summary of the meteorology conditions during February 2026 is presented in Appendix A, Figure A.12 to Figure A.18 and Appendix B, Table B.2. Daily average and maximum wind speeds are shown in Figure A.12. The highest hourly average wind speed was recorded on February 19, 2026, at 08:00 (12.0 m/s), and similarly the highest 24-hour average wind speed also occurred on February 19, 2026 (3.2 m/s). Figure A.13 presents a wind rose illustrating wind direction and speed for February 2026 at the Woodfibre LNG meteorology station. The prevailing wind direction is from the northwest. Additionally, Figure A.14 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 for February 2026.

The daily ambient air temperature data is presented in Figure A.15. The maximum hourly air temperature of 16.8°C was recorded on February 5, 2026, at 13:00, while the minimum hourly temperature of -2.6°C occurred on February 20, 2026, at 05:00. The monthly average temperature for February 2026 was 5.3°C.

The daily and total monthly rainfall data, presented in Figure A.16 and Table B.2, show that the highest single-day rainfall of 51.2 mm occurred on February 7, 2026. The total rainfall for February 2026 was 216.8 mm.



## Woodfibre LNG Air Quality Monitoring Station Report for February 2026

Section 4: Ambient Air Quality Monitoring Results

March 27, 2026

The daily average relative humidity ranged from 54.0% to 99.4% in February 2026. The daily minimum, maximum, and average relative humidity values recorded at the Woodfibre LNG station are presented in Figure A.17 and Table B.2. The daily average barometric pressure values ranged from 996.7 hPa to 1,028.7 hPa in February 2026, with a monthly average of 1,017.3 hPa. The daily minimum, maximum, and average barometric pressure values are presented in Figure A.18 and Table B.2.



## 5 Summary of Ambient Air Quality Monitoring Results

The daily (24-hour) ambient air quality monitoring results for February 2026 indicate that the PM<sub>2.5</sub>, PM<sub>10</sub>, and TSP concentrations remained less than the BC AQO regulatory standards. The hourly NO<sub>2</sub> concentrations measured were less than the BC AQO regulatory standard. PM<sub>1</sub> concentrations, used as a conservative indicator of DPM, remained below the CAREX Canada-recommended occupational exposure limit. The meteorological data, including wind speed, temperature, and rainfall, support accurate interpretation of the ambient air quality monitoring trends. No air quality complaints from Floatel 1 and Floatel #2 residents were received during February 2026.



## 6 References

- BC ENVP. 2020. *The British Columbia Field Sampling Manual: Part B: Air and Air Emissions Testing*. Retrieved March 10, 2026, 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](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)
- BC ENVP. 2025a. British Columbia Ambient Air Quality Objectives. Retrieved March 10, 2026, from Government of British Columbia; Environment and Climate Change Strategy (BC ENV, 2017-2024); now Ministry of Environment & Parks (BC ENVP, 2024–present); Environmental Protection and Sustainability; Air, Land, and Water; Air; Air Quality Management; Regulatory Framework, Objectives and Standards Web Page:  
<https://www2.gov.bc.ca/gov/content/environment/air-land-water/air/air-quality-management/regulatory-framework/objectives-standards> and  
[https://www2.gov.bc.ca/assets/gov/environment/air-land-water/air/factsheets/bc\\_aq\\_objectives\\_2025.pdf](https://www2.gov.bc.ca/assets/gov/environment/air-land-water/air/factsheets/bc_aq_objectives_2025.pdf)
- BC ENVP. 2025b. Langdale Elementary - British Columbia Ambient Air Data Archive Website. Retrieved March 10, 2026; [https://envistaweb.env.gov.bc.ca/StationReportFast.aspx?ST\\_ID=86](https://envistaweb.env.gov.bc.ca/StationReportFast.aspx?ST_ID=86)
- BC ENVP. 2025c. Squamish Elementary - British Columbia Ambient Air Data Archive Website. Retrieved March 10, 2026; [https://envistaweb.env.gov.bc.ca/StationReportFast.aspx?ST\\_ID=491](https://envistaweb.env.gov.bc.ca/StationReportFast.aspx?ST_ID=491)
- CAREX Canada. 2020. Setting an occupational exposure limit for diesel engine exhaust in Canada: Challenges and opportunities; Retrieved March 10, 2026,  
[https://www.carexcanada.ca/CAREXCanada\\_DEE\\_OEL\\_REPORT\\_2019.pdf](https://www.carexcanada.ca/CAREXCanada_DEE_OEL_REPORT_2019.pdf).
- CCME. 2019. NAPS - Ambient Air monitoring and Quality Assurance and control Guidelines. National Air Pollution Surveillance Program (NAPS), Canadian Council of Ministers of the Environment (CCME); Retrieved March 10, 2026, [https://ccme.ca/en/res/ambientairmonitoringandqa-qcguidelines\\_ensecure.pdf](https://ccme.ca/en/res/ambientairmonitoringandqa-qcguidelines_ensecure.pdf).
- CCME. 2025. Canadian Ambient Air Quality Standards (CAAQS). Retrieved March 10, 2026, from Canadian Council of Ministers of the Environment (CCME); Canada's Air Web Site:  
<https://ccme.ca/en/air-quality-report#slide-7>
- EAO. 2023. *Amendment #3 for the Woodfibre LNG Project (Project) Environmental Assessment Certificate #E15-02*. Victoria, British Columbia: British Columbia Environmental Assessment Office (EAO).



**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

Section 6: References

March 27, 2026

EAO. 2025. *Amendment #4 for the Woodfibre LNG Project (Project) Environmental Assessment Certificate #E15-02*. Victoria, British Columbia: British Columbia Environmental Assessment Office (EAO).

NTP. 2021. Diesel Exhaust Particulates, 15<sup>th</sup> Report on Carcinogens, U.S. Department of Health and Human Services, National Toxicology Program (NTP); Retrieved March 10, 2026, <http://ntp.niehs.nih.gov/go/roc> .

Woodfibre LNG. 2026. Floatel Air Quality Monitoring and Mitigation Plan, Woodfibre LNG Project: Rev 7 (January 28, 2026). Vancouver, British Columbia: Woodfibre LNG General Partner Inc. (Woodfibre LNG).



# Appendices



# Appendix A      Figures



Woodfibre LNG Air Quality Monitoring Station Report for February 2026

Appendix A: Figures

March 27, 2026

Figure A.1 Hourly PM Concentrations Recorded at the AQMS during February 2026

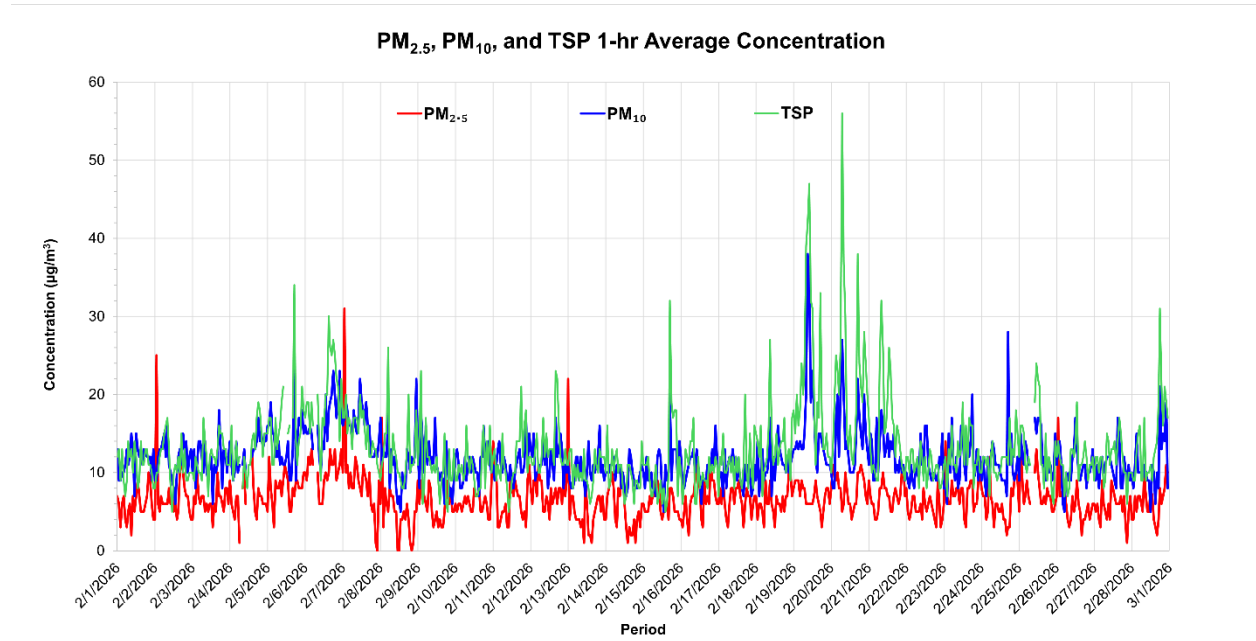
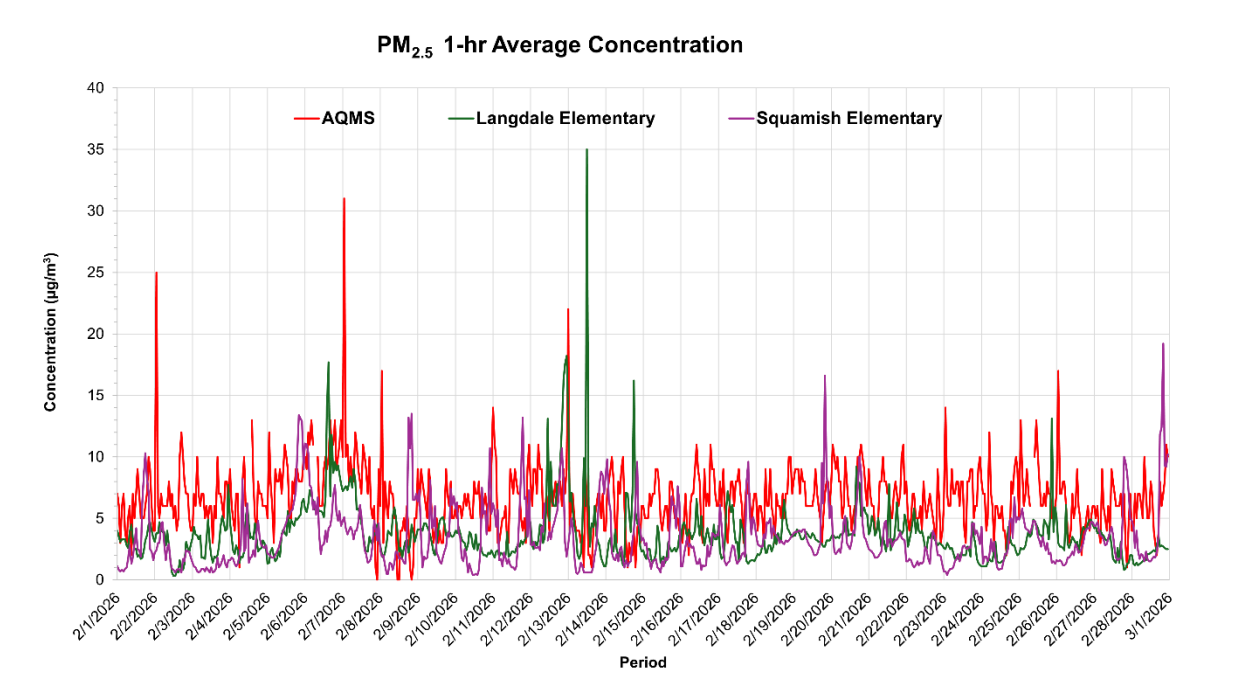


Figure A.2 Hourly PM<sub>2.5</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during February 2026

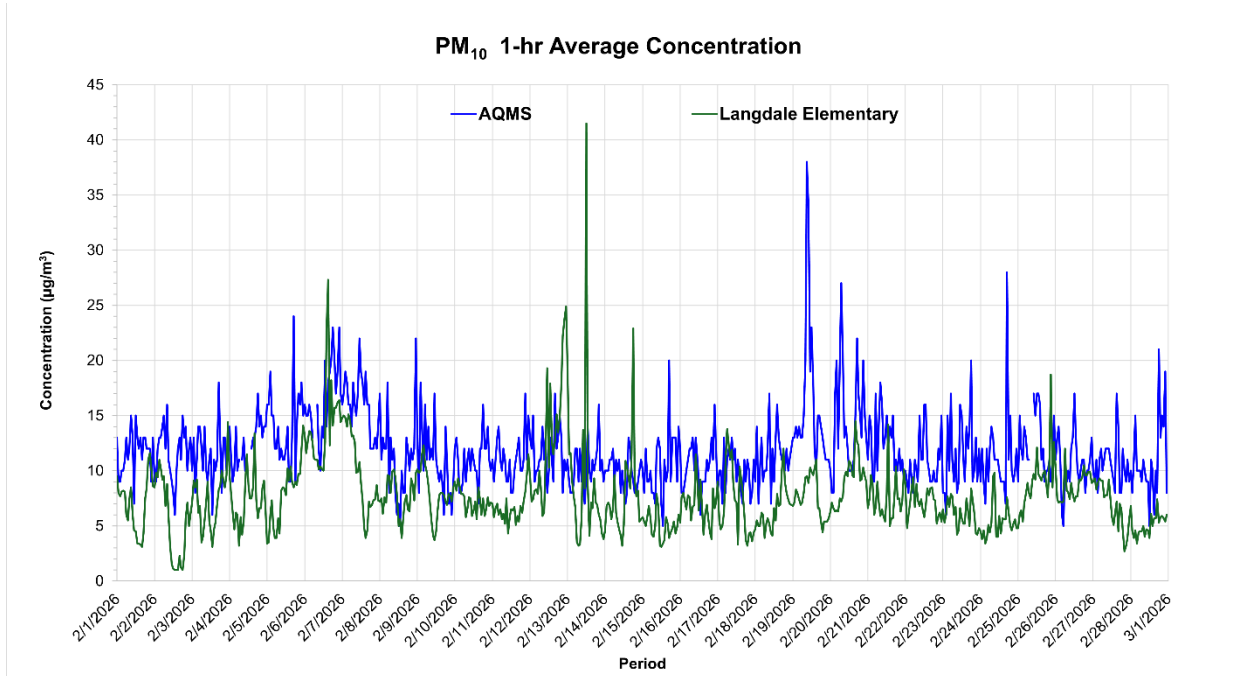


**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

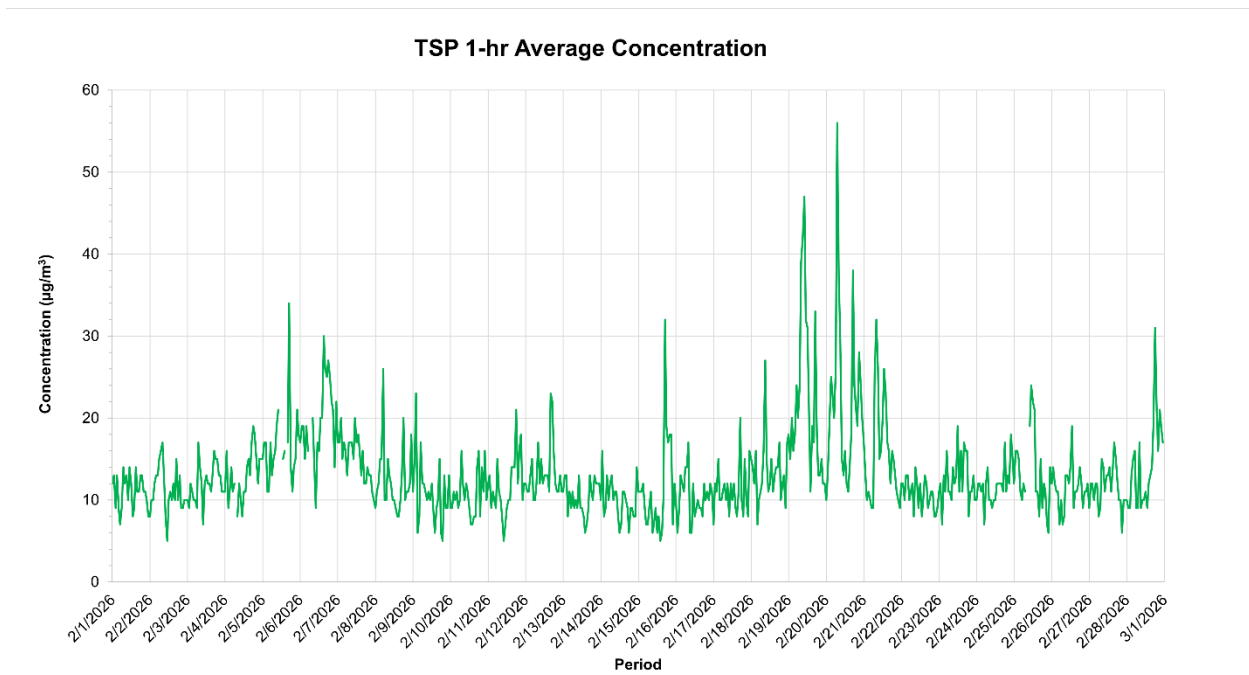
Appendix A: Figures

March 27, 2026

**Figure A.3** Hourly PM<sub>10</sub> Concentrations Recorded at the AQMS, and the Langdale Regional Air Quality Station during February 2026



**Figure A.4** Hourly TSP Concentrations Recorded at the AQMS during February 2026



Woodfibre LNG Air Quality Monitoring Station Report for February 2026

Appendix A: Figures

March 27, 2026

Figure A.5 Hourly NO<sub>2</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during February 2026

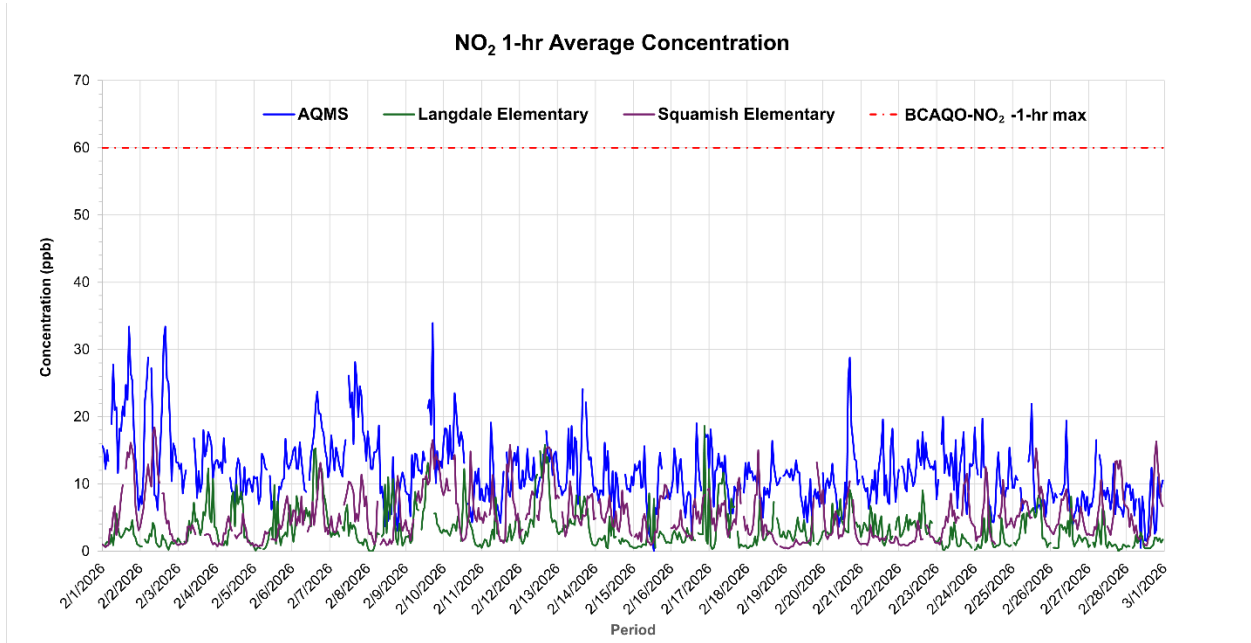
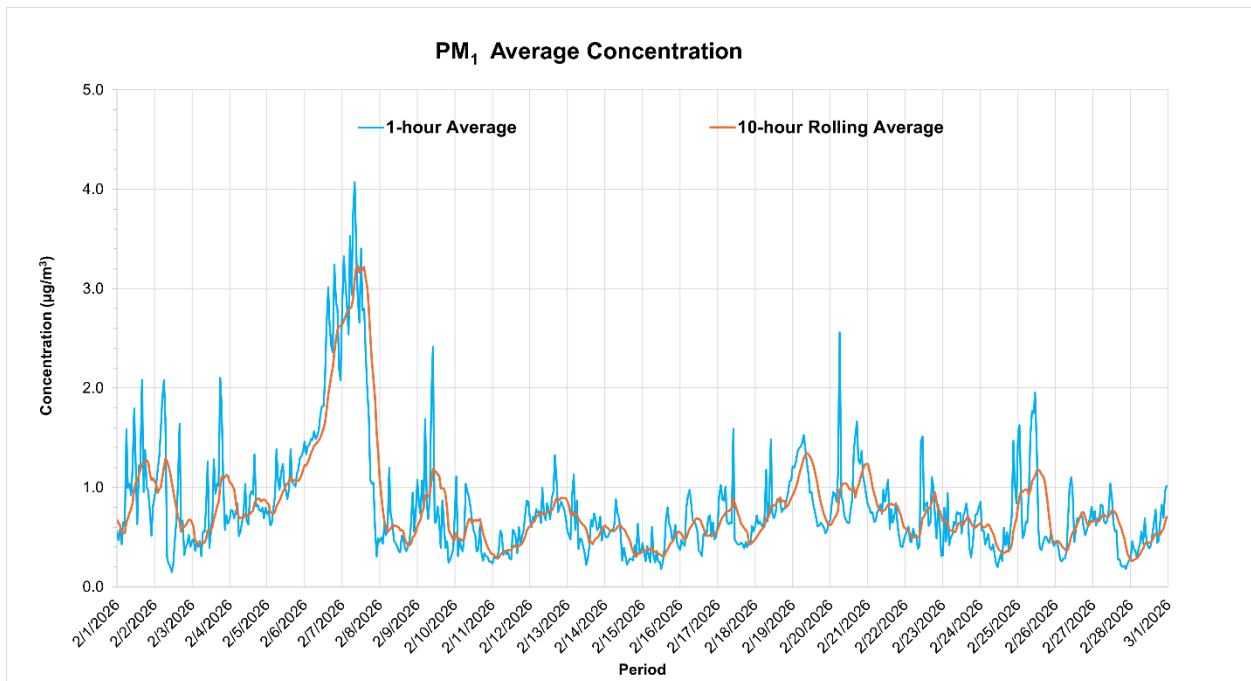


Figure A.6 Hourly PM<sub>1</sub> Concentrations Recorded at the AQMS using Aeroqual Sampler during February 2026



**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

Appendix A: Figures

March 27, 2026

Figure A.7 24-Hour Average PM Concentrations Recorded at the AQMS during February 2026

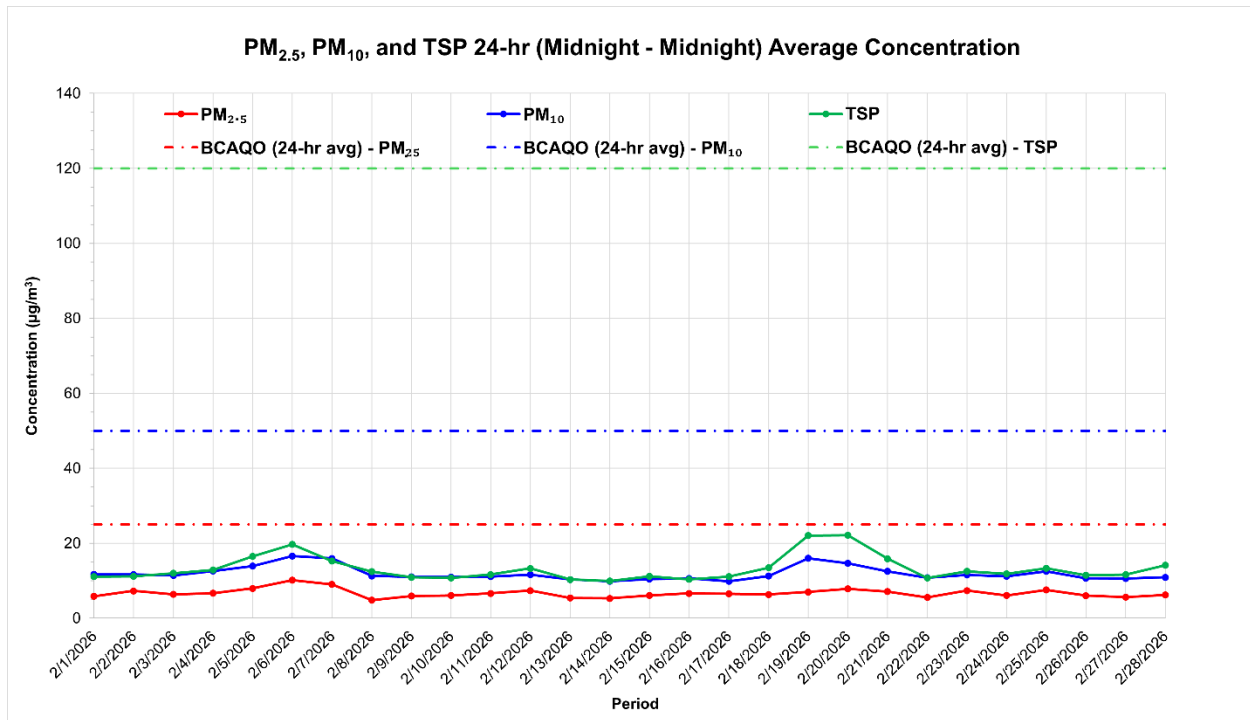
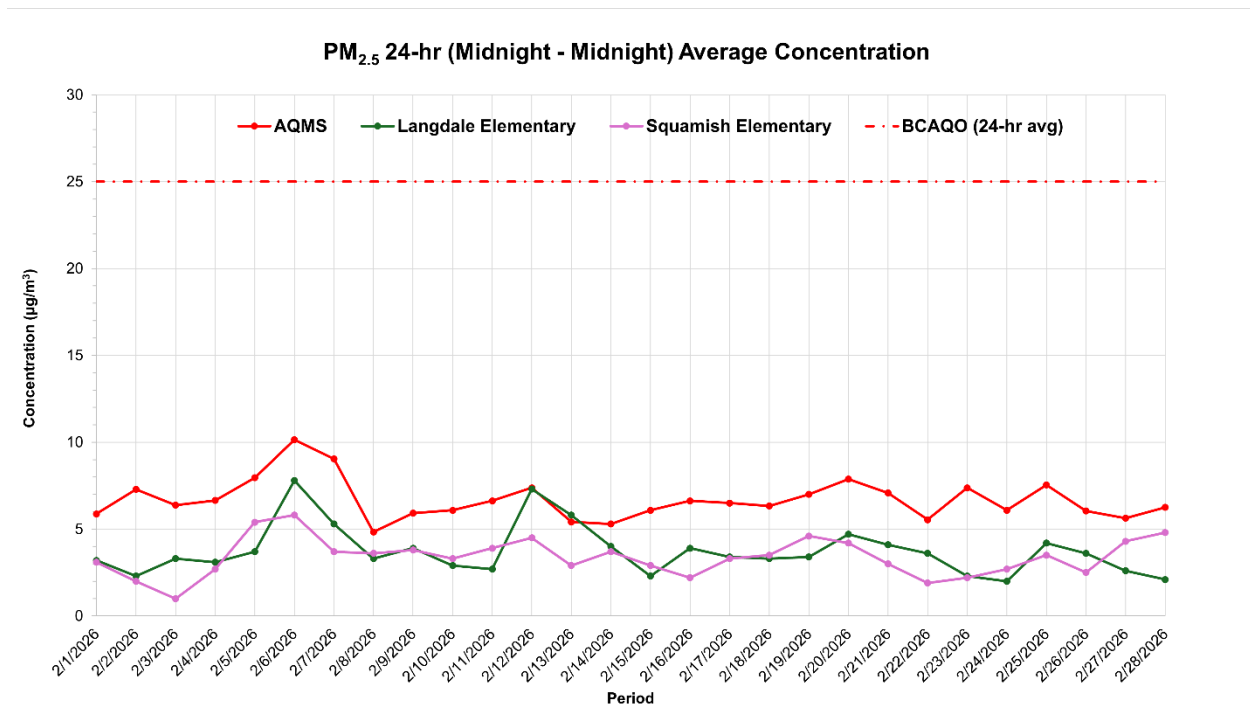


Figure A.8 24-Hour Average PM<sub>2.5</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during February 2026

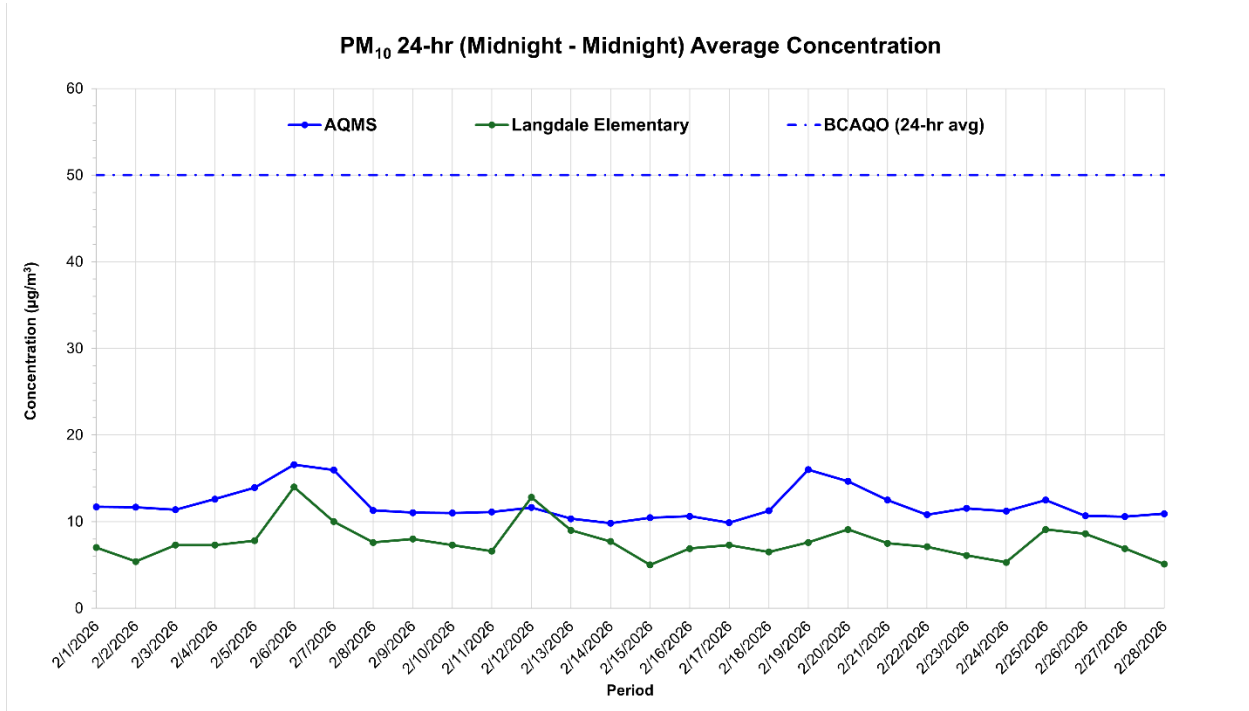


**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

Appendix A: Figures

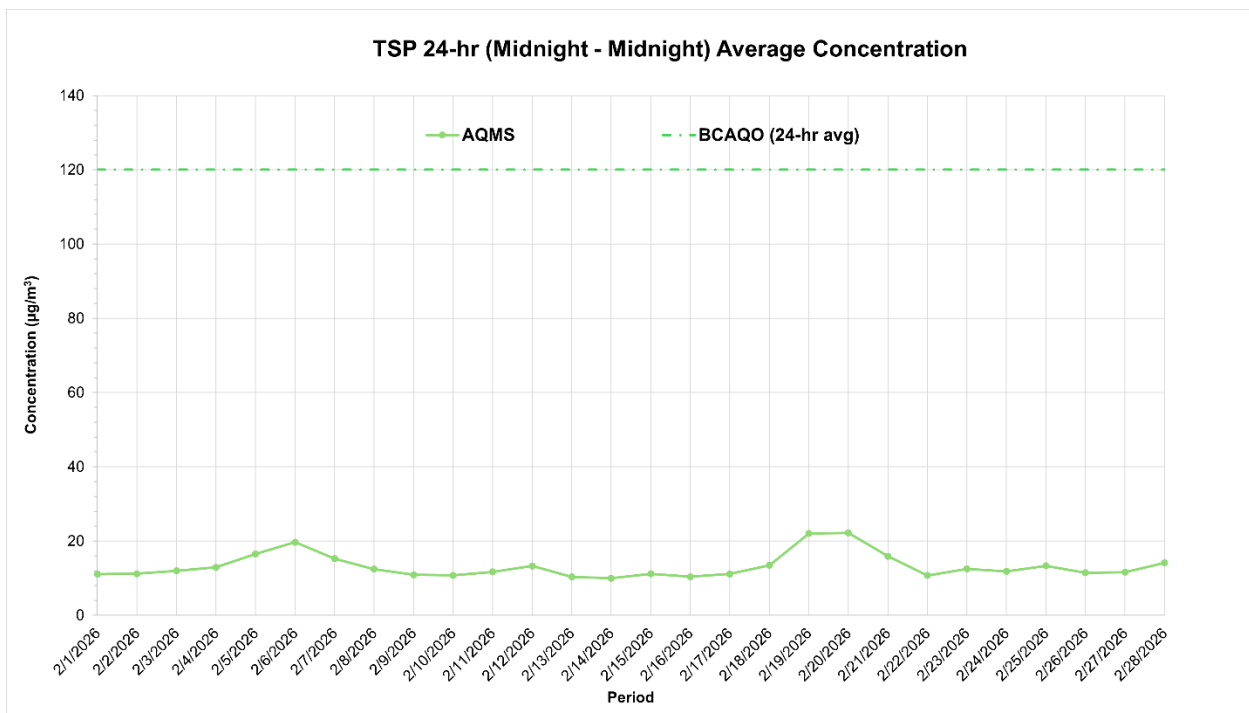
March 27, 2026

**Figure A.9** 24-Hour Average PM<sub>10</sub> Concentrations Recorded at the AQMS, and the Langdale Regional Air Quality Station during February 2026



Note: Missing PM<sub>10</sub> data on Jan 2 is due to a Filter tape error.

**Figure A.10** 24-Hour Average TSP Concentrations Recorded at the AQMS during February 2026

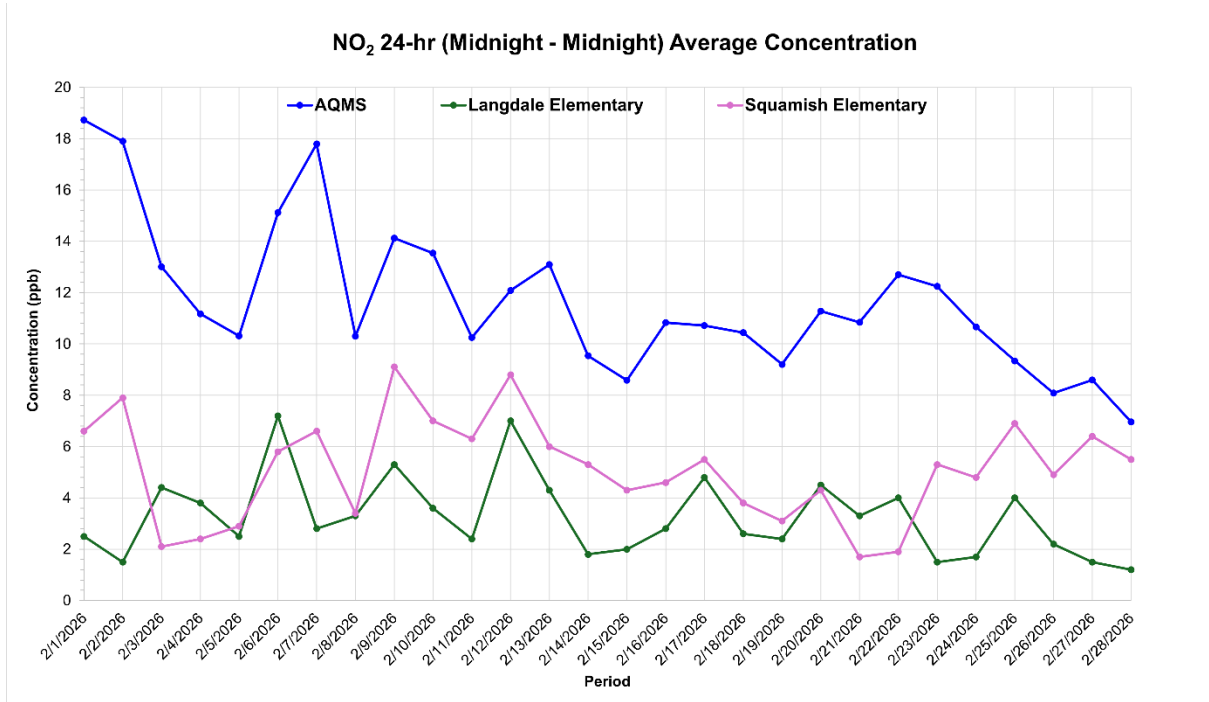


**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

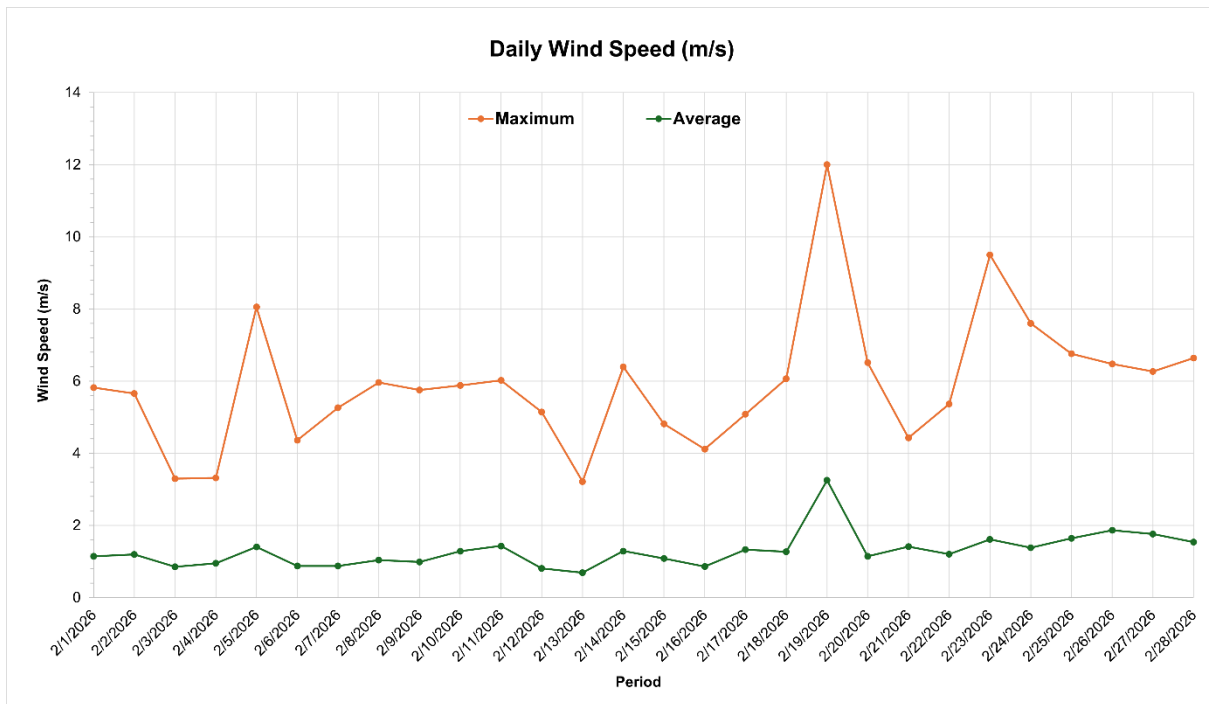
Appendix A: Figures

March 27, 2026

**Figure A.11** 24-Hour Average NO<sub>2</sub> Concentrations Recorded at the AQMS, and the Langdale and Squamish Regional Air Quality Stations during February 2026



**Figure A.12** Daily Average and Maximum Wind Speed Recorded at the Woodfibre LNG Meteorology Station during February 2026

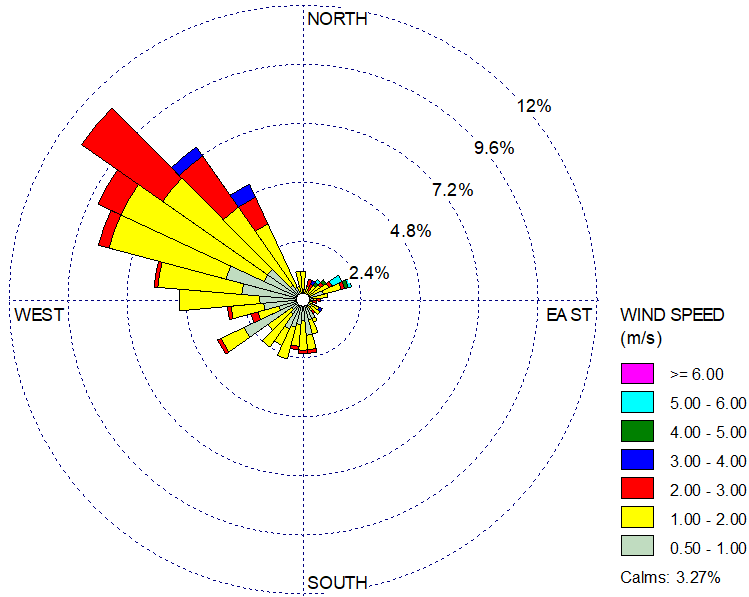


**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

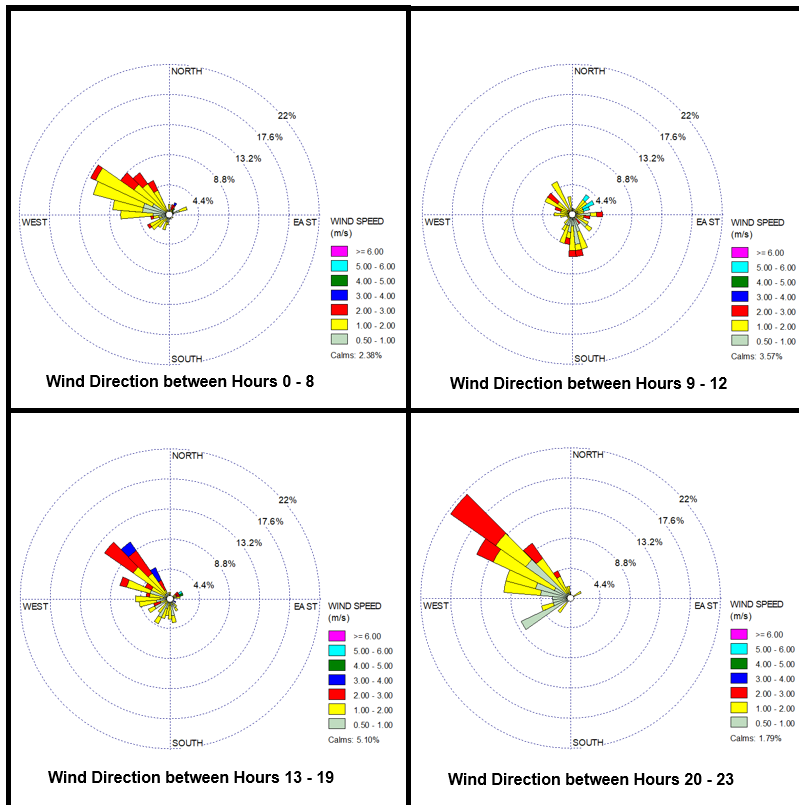
Appendix A: Figures

March 27, 2026

**Figure A.13** Windrose for Woodfibre LNG Meteorology Station during February 2026



**Figure A.14** Windrose for Woodfibre LNG Meteorology Station for the hours of 0000 - 0800, 0900 - 1200, 1300 - 1900, and 2000 - 2300 (February 2026)

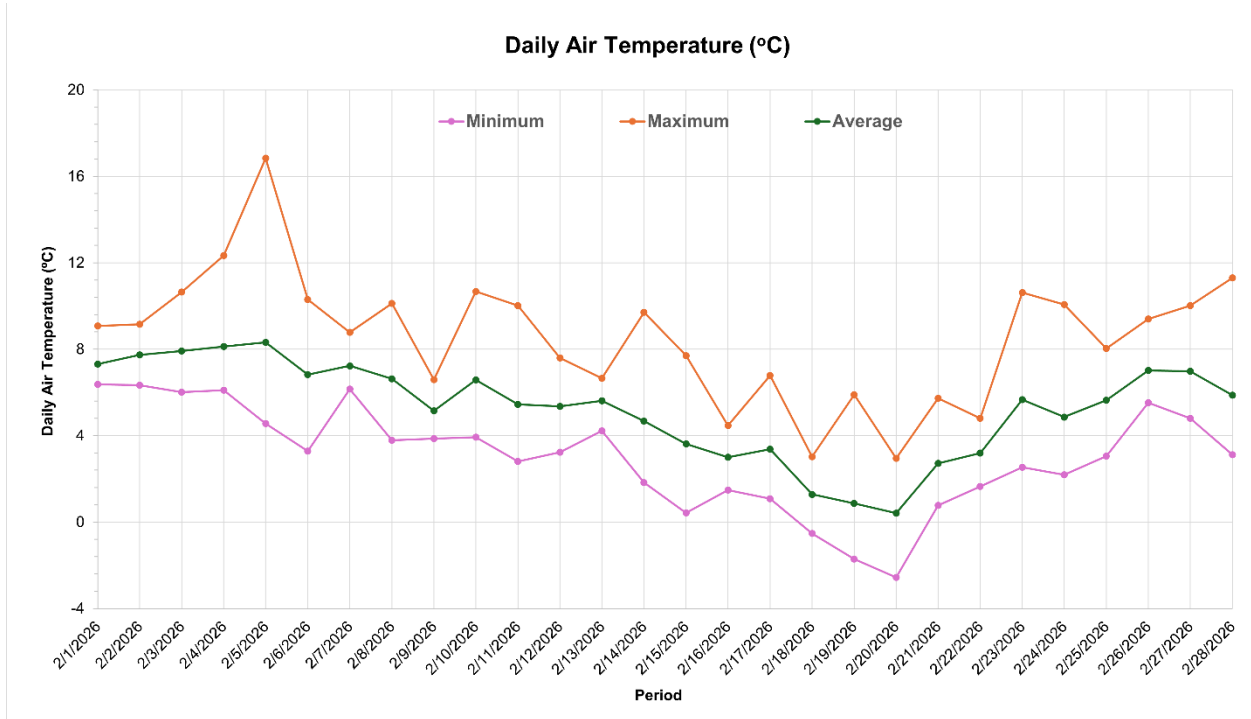


**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

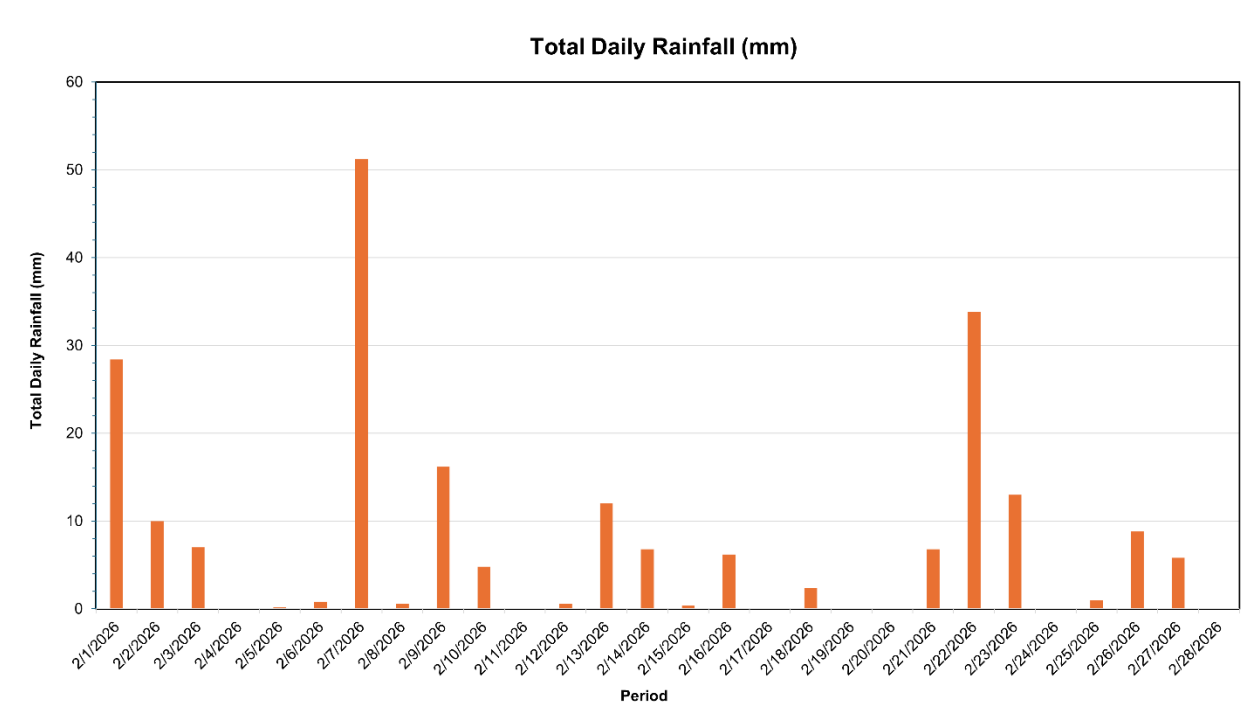
Appendix A: Figures

March 27, 2026

**Figure A.15** Daily Average, Minimum, and Maximum Air Temperature Recorded at the Woodfibre LNG Meteorology Station during February 2026



**Figure A.16** Daily Rainfall Recorded at the Woodfibre LNG Meteorology Station during February 2026

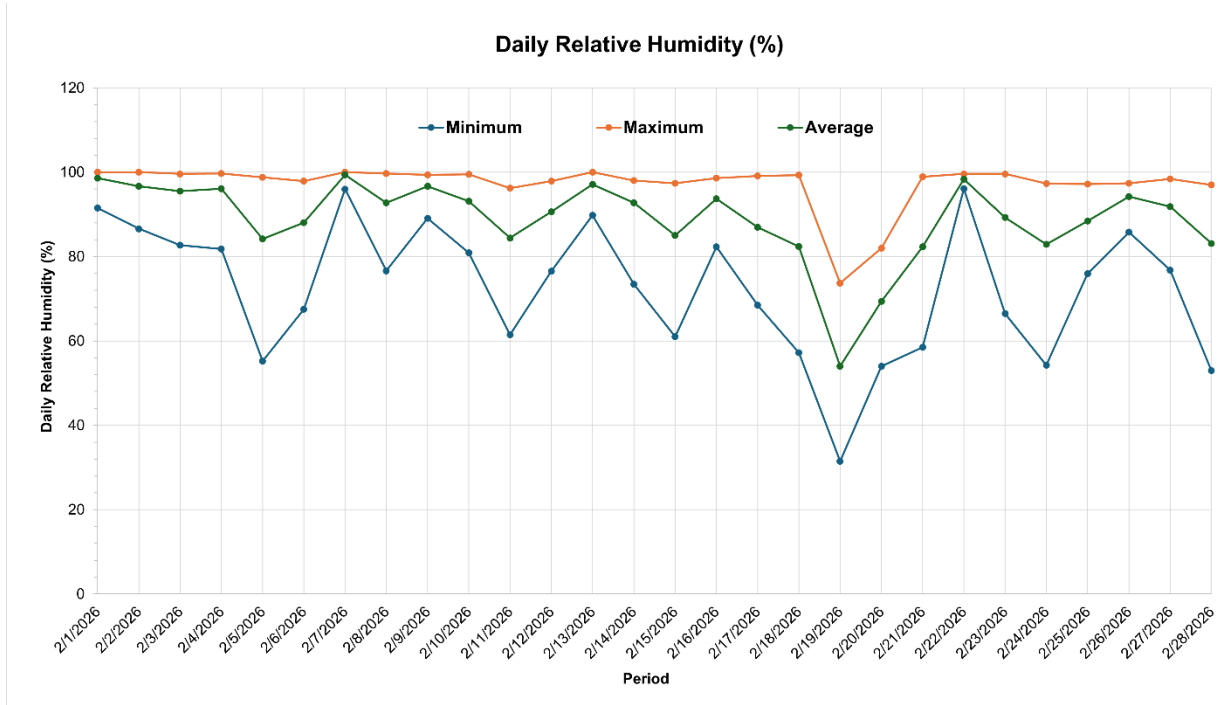


**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

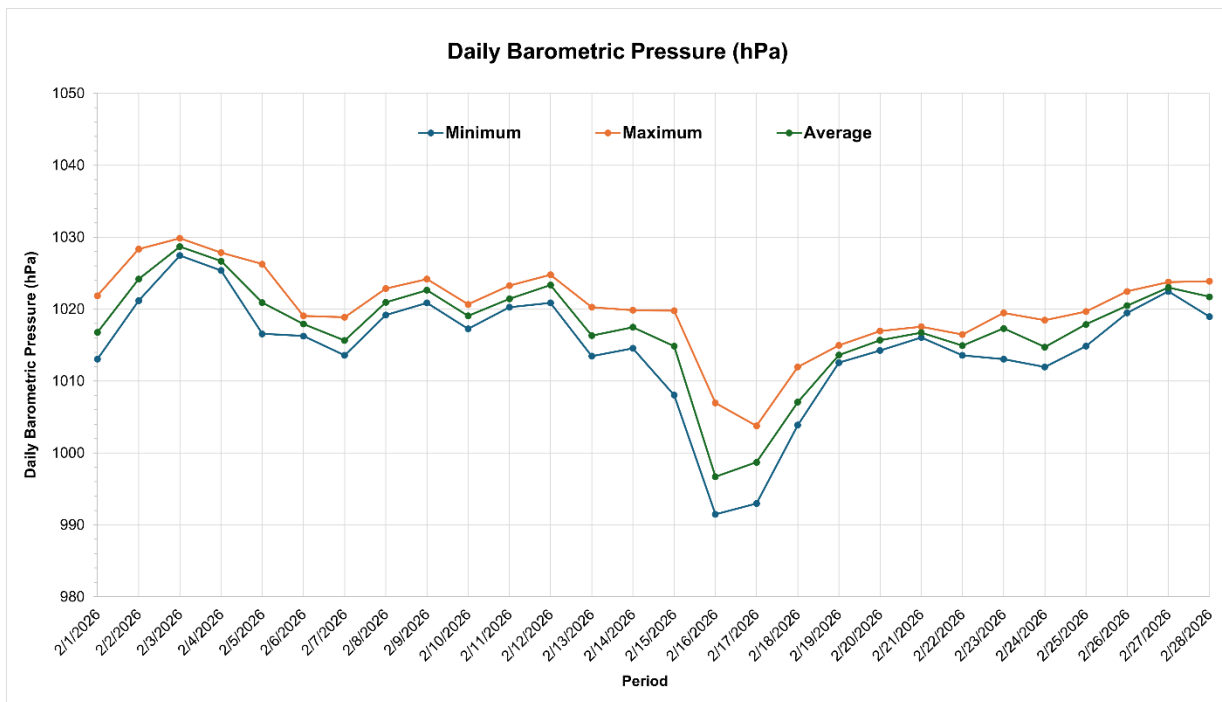
Appendix A: Figures

March 27, 2026

**Figure A.17** Daily Average, Minimum, and Maximum Relative Humidity Recorded at the Woodfibre LNG Meteorology Station during February 2026



**Figure A.18** Daily Average Barometric Pressure Recorded at the Woodfibre LNG Meteorology Station during February 2026



## Appendix B      Data Tables



**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

Appendix B: Data Tables

March 27, 2026

*Table B.1 Daily PM<sub>1</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>, TSP, and NO<sub>2</sub> Concentrations Recorded at the AQMS for February 2026*

Date	AQMS (24-hr Average)					AQMS (1-hr Max)
	PM <sub>1</sub>	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>	µg/m <sup>3</sup>	ppb	ppb
2/1/2026	1.0	5.9	11.7	11.1	18.7	33.4
2/2/2026	0.8	7.3	11.7	11.2	17.9	33.4
2/3/2026	0.8	6.4	11.4	12.0	13.0	18.0
2/4/2026	0.8	6.7	12.6	12.9	11.2	16.8
2/5/2026	1.0	8.0	13.9	16.5	10.3	16.7
2/6/2026	2.0	10.1	16.6	19.7	15.1	23.7
2/7/2026	2.4	9.0	16.0	15.3	17.8	28.1
2/8/2026	0.6	4.8	11.3	12.4	10.3	18.7
2/9/2026	0.8	5.9	11.0	10.9	14.1	33.9
2/10/2026	0.5	6.1	11.0	10.8	13.5	23.5
2/11/2026	0.5	6.6	11.1	11.7	10.3	19.1
2/12/2026	0.8	7.4	11.6	13.3	12.1	17.9
2/13/2026	0.6	5.4	10.3	10.3	13.1	24.1
2/14/2026	0.5	5.3	9.8	10.0	9.5	16.1
2/15/2026	0.4	6.1	10.5	11.2	8.6	15.6
2/16/2026	0.6	6.6	10.6	10.4	10.8	19.0
2/17/2026	0.6	6.5	9.9	11.1	10.7	18.1
2/18/2026	0.8	6.3	11.3	13.5	10.4	16.4
2/19/2026	1.0	7.0	16.0	22.0	9.2	13.5
2/20/2026	1.1	7.9	14.7	22.2	11.3	28.8
2/21/2026	0.7	7.1	12.5	15.9	10.8	19.6
2/22/2026	0.7	5.5	10.8	10.7	12.7	17.7
2/23/2026	0.6	7.4	11.5	12.5	12.2	20.0
2/24/2026	0.5	6.1	11.2	11.8	10.7	19.7
2/25/2026	0.9	7.5	12.5	13.3	9.3	21.9
2/26/2026	0.6	6.0	10.7	11.5	8.1	19.4
2/27/2026	0.6	5.6	10.6	11.6	8.6	16.5
2/28/2026	0.5	6.3	10.9	14.1	7.0	12.4



**Woodfibre LNG Air Quality Monitoring Station Report for February 2026**

Appendix B: Data Tables

March 27, 2026

*Table B.2 Daily Wind Speed, Air Temperature, Relative Humidity, Barometric Pressure, and Rainfall Recorded at the Woodfibre LNG Meteorology Station for February 2026*

Date	Wind Speed (m/s)		Air Temperature (°C)			Relative Humidity (%)			Barometric Pressure (hPa)			Total Rainfall (mm)
	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
2/1/2026	5.8	1.1	6.4	9.1	7.3	91.5	100.0	98.6	1013.1	1021.9	1016.8	28.4
2/2/2026	5.7	1.2	6.3	9.2	7.7	86.6	100.0	96.6	1021.2	1028.4	1024.2	10.0
2/3/2026	3.3	0.8	6.0	10.6	7.9	82.7	99.6	95.5	1027.5	1029.9	1028.7	7.0
2/4/2026	3.3	1.0	6.1	12.3	8.1	81.8	99.7	96.1	1025.4	1027.9	1026.7	0.0
2/5/2026	8.1	1.4	4.6	16.8	8.3	55.2	98.8	84.2	1016.6	1026.3	1020.9	0.2
2/6/2026	4.4	0.9	3.3	10.3	6.8	67.5	97.9	88.0	1016.3	1019.1	1017.9	0.8
2/7/2026	5.3	0.9	6.2	8.8	7.2	96.0	100.0	99.4	1013.6	1018.9	1015.6	51.2
2/8/2026	6.0	1.0	3.8	10.1	6.6	76.6	99.7	92.7	1019.2	1022.9	1020.9	0.6
2/9/2026	5.8	1.0	3.9	6.6	5.1	89.1	99.4	96.7	1020.9	1024.2	1022.6	16.2
2/10/2026	5.9	1.3	3.9	10.7	6.6	80.9	99.5	93.1	1017.3	1020.7	1019.1	4.8
2/11/2026	6.0	1.4	2.8	10.0	5.4	61.5	96.2	84.4	1020.3	1023.3	1021.4	0.0
2/12/2026	5.1	0.8	3.2	7.6	5.3	76.5	97.9	90.6	1020.9	1024.8	1023.3	0.6
2/13/2026	3.2	0.7	4.2	6.6	5.6	89.8	100.0	97.1	1013.5	1020.3	1016.3	12.0
2/14/2026	6.4	1.3	1.8	9.7	4.7	73.5	98.0	92.8	1014.6	1019.9	1017.5	6.8
2/15/2026	4.8	1.1	0.4	7.7	3.6	61.0	97.4	85.0	1008.1	1019.8	1014.9	0.4
2/16/2026	4.1	0.9	1.5	4.5	3.0	82.3	98.6	93.7	991.5	1007.0	996.7	6.2
2/17/2026	5.1	1.3	1.1	6.8	3.4	68.5	99.1	86.9	993.0	1003.8	998.7	0.0
2/18/2026	6.1	1.3	-0.5	3.0	1.3	57.2	99.3	82.4	1003.9	1012.0	1007.1	2.4
2/19/2026	12.0	3.2	-1.7	5.9	0.9	31.5	73.7	54.0	1012.6	1015.0	1013.6	0.0
2/20/2026	6.5	1.1	-2.6	2.9	0.4	54.0	82.0	69.4	1014.3	1017.0	1015.7	0.0
2/21/2026	4.4	1.4	0.8	5.7	2.7	58.5	98.9	82.3	1016.1	1017.6	1016.7	6.8
2/22/2026	5.4	1.2	1.7	4.8	3.2	96.1	99.6	98.3	1013.6	1016.5	1014.9	33.8
2/23/2026	9.5	1.6	2.5	10.6	5.7	66.5	99.6	89.2	1013.1	1019.5	1017.3	13.0
2/24/2026	7.6	1.4	2.2	10.1	4.9	54.3	97.3	82.9	1012.0	1018.5	1014.7	0.0
2/25/2026	6.8	1.6	3.1	8.0	5.6	76.0	97.2	88.4	1014.9	1019.7	1017.9	1.0
2/26/2026	6.5	1.9	5.5	9.4	7.0	85.8	97.4	94.2	1019.5	1022.5	1020.5	8.8
2/27/2026	6.3	1.8	4.8	10.0	7.0	76.8	98.4	91.8	1022.5	1023.8	1023.0	5.8
2/28/2026	6.6	1.5	3.1	11.3	5.9	53.0	97.0	83.1	1019.0	1023.9	1021.7	0.0



## **Appendix C      DPM Monitoring and Health Risk for Off-Duty Floatel Residents**



## C.1 DPM Monitoring and Health Risk for Off-Duty Floatel Residents – February 2026

### Background

Diesel particulate matter (DPM) is a component of fine particulate emissions associated primarily with diesel combustion sources. As documented in the FAQMMP, approximately 90 percent or more of diesel particulate mass is typically within the PM<sub>1</sub> size fraction. In consideration of this, PM<sub>1</sub> monitoring is used as a conservative surrogate for the DPM exposure assessment, recognizing that measured PM<sub>1</sub> also includes contributions from non-diesel combustion sources.

DPM exposure is relevant to off-duty workers residing on Floatel #1 and Floatel #2 during construction, specifically during the period when Floatel #2 is powered by onboard diesel generators. Floatel #1 has been electrically powered via shore power since its commissioning. Floatel #2 was installed in December 2025 and required the use of onboard diesel generators due to the unavailability of shore power during initial operation. The use of diesel generators on Floatel #2 presents a temporary and localized source of DPM emissions that is expected to last for several months into 2026. Once Floatel #2 is fully connected to shore power, diesel combustion sources associated with Floatel #2 operations will no longer be present, and DPM monitoring for the purposes of health exposure assessment will be discontinued.

### Regulatory Context

Health Canada has established health-based reference concentrations for DPM to support the evaluation of potential short-term and long-term inhalation exposure for the general population, including potentially sensitive subgroups<sup>1</sup>. These reference concentrations apply to the general public and are more protective than occupational exposure limits. The use of these reference concentrations assumes that off-duty workers residing on the Floatels are treated as typical residents of the Squamish area for the purposes of health risk evaluation.

These DPM reference concentrations include:

- 2-hour average reference concentration of 10 µg/m<sup>3</sup>
- Annual average reference concentration of 5 µg/m<sup>3</sup>

These reference concentrations are based on health endpoints related to increased airway resistance and respiratory system inflammation. DPM concentrations below these reference concentrations represent a negligible health risk to people, including health sensitive individuals such as children, seniors, and people with existing respiratory health conditions.

---

<sup>1</sup> Health Canada. 2016. Human Health Risk Assessment for Diesel Exhaust.  
[https://publications.gc.ca/collections/collection\\_2016/sc-hc/H129-60-2016-eng.pdf](https://publications.gc.ca/collections/collection_2016/sc-hc/H129-60-2016-eng.pdf)

## Monitoring Results

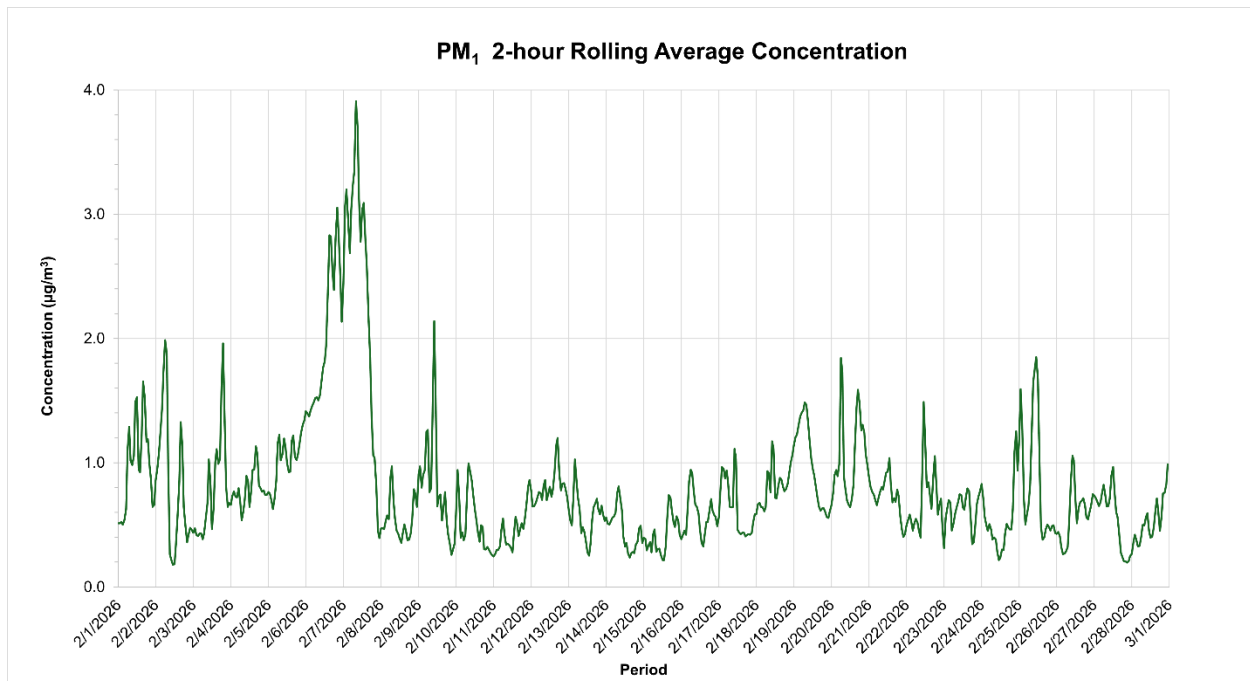
Figure C.1 presents the 2-hour rolling average PM<sub>1</sub> concentrations measured during February 2026. The data indicate a maximum 2-hour average concentration of 3.9 µg/m<sup>3</sup> for the month. This peak concentration is less than Health Canada's 2-hour reference concentration of 10 µg/m<sup>3</sup>, indicating that short-term health risk from DPM was negligible for off-duty workers residing on the Floatels.

An annual average concentration cannot be calculated for February 2026 alone because a full calendar year of monitoring data is not expected to be collected, as the diesel generators on Floatel #2 are anticipated to operate for only several months. As a result, a monthly average concentration was calculated for February 2026 and compared to Health Canada's long-term reference concentration to provide an indication of potential longer-term health risk.

The monthly average PM<sub>1</sub> concentration was 0.8 µg/m<sup>3</sup> during February 2026. This monthly average concentration is less than Health Canada's annual average reference concentration of 5 µg/m<sup>3</sup>, indicating that longer-term exposure to DPM represents a negligible health risk for off-duty workers residing on the Floatels.

Based on the PM<sub>1</sub> monitoring data, both short-term and longer-term exposures were less than the applicable Health Canada reference concentrations. These results indicate that exposure to DPM represents a negligible health risk for off-duty workers residing on Floatel #1 and Floatel #2 during the monitoring period. No additional mitigation measures are recommended to address DPM exposure beyond the existing controls and monitoring framework.

Figure C.1 2-hour Rolling Average PM<sub>1</sub> Concentrations during February 2026



# **Appendix D      Station Calibration and Maintenance Record**



## Quality System Forms



# AGAT

Laboratories

NO-NO<sub>2</sub>-NO<sub>x</sub>

Routine

Revision: 3.0

2026-02-17

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 #	26C398857
Location	Woodfibre, BC	Date	February 3, 2026		
				Start Time	6:40 - 9:40
Last Cal Date:				November 20, 2025	May 30, 2026

#### Calibrator & Monitor Information

Calibrator Information		Analyzer Information	
Calibrator M/M	Sabio	Analyzer M/M	42iQ
Calibrator S/N	08500312R	Analyzer S/N	12509938921
Zero Air S/N	Zero Air Cylinder	Detection Principle	Chemiluminescence
Verification Date	21-Jan-2025		

#### Calibration Standard

Calibration Standard	Type	ID Number	Expiry Date	NOx Conc.	NO Conc.	ppm ± 2% @	Tank Pressure	
NO, NOx	Cylinder	T1WAR3G	01-May-26	51.33	50.84	35°C	1300	PSI
Analyzer Settings	Before Calibration	After Calibration	Calibrator Flow Measurement (scm)					
Concentration Range ppb	0-500 ppb	0-500 ppb	Calibration Point	Average Cal Gas Flow	Total Flow	Average Dilution Air Flow		
Background ppb	0.5 / 0.6	0.5 / 0.6	Zero	0.0	5000.0	5000.0		
Coefficient	1.161 / 0.980	1.151 / 0.989	High (100%)	49.2	5001.0	4951.8		
Sample Flow cc/min	0.65	0.65	Middle (60%)	29.5	5001.0	4971.5		
Span Value NOx / NO2	515 / 505	443 / 431	Low (30%)	14.7	4999.0	4984.3		

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

#### Calibration Data - NO<sub>x</sub>

	Stability Start	15- Minute	12- Minute	9- Minute	6- Minute	3- Minute	Average	Calculated Stability  x  ppb
As Found Zero	6:40	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.0
As Found Span	6:55	504.0	503.0	502.0	503.0	506.0	503.6	1.4
After Zero Adjust	7:10	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0
After Span Adjust - 1	7:25	503.0	503.0	502.0	500.0	500.0	501.6	1.4
After Span Adjust - 2	7:40	302.0	302.0	301.0	301.0	301.0	301.4	0.5
After Span Adjust - 3	7:55	150.0	150.0	149.7	149.4	149.8	149.8	0.2

	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	-0.2	N/A	NA		-0.2
As Found Span	1047	10.4	505.0	503.6	1.0028	-0.3%		503.6
After Zero Adjust	1058	0.0	0.0	-0.1	N/A	NA		-0.1
After Span Adjust - 1	1047	10.4	505.0	501.6	1.0068	-0.7%	0.0%	501.6
After Span Adjust - 2	1051	6.2	302.8	301.4	1.0046	-0.5%	-0.2%	301.4
After Span Adjust - 3	1054	3.1	150.9	149.8	1.0077	-0.8%	0.1%	149.8

Intercept 0.008730  
 Correlation Coefficient 0.999997  
 Slope 0.993519

### Calibration Data - NO

	Stability Start	15- Minute	12- Minute	9- Minute	6- Minute	3- Minute	Average	Calculated Stability  x  ppb
As Found Zero	6:40	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0.0
As Found Span	6:55	507.0	507.0	506.0	507.0	506.0	506.6	0.5
After Zero Adjust	7:10	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
After Span Adjust - 1	7:25	503.0	503.0	502.0	500.0	501.0	501.8	1.2
After Span Adjust - 2	7:40	303.0	300.0	299.0	300.0	301.0	300.6	1.4
After Span Adjust - 3	7:55	149.3	149.3	149.2	149.1	149.3	149.2	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	-0.1	N/A	NA		-0.1
As Found Span	1047	10.4	500.2	506.6	0.9873	1.3%		506.6
After Zero Adjust	1058	0.0	0.0	0.0	N/A	NA		0.0
After Span Adjust - 1	1047	10.4	500.2	501.8	0.9967	0.3%	0.3%	501.8
After Span Adjust - 2	1051	6.2	299.9	300.6	0.9977	0.2%	0.4%	300.6
After Span Adjust - 3	1054	3.1	149.5	149.2	1.0017	-0.2%	0.9%	149.2

Intercept	0.352543
Correlation Coefficient	1.000000
Slope	1.005360

### Calibration Data - NO<sub>2</sub>

	Stability Start	15- Minute	12- Minute	9- Minute	6- Minute	3- Minute	Average	Calculated Stability  x  ppb
15 min ref	8:10	2.0	2.0	2.0	0.0	0.0	1.2	1.0
400	8:25	428.0	428.0	428.0	427.0	429.0	428.0	0.6
300	8:40	347.0	347.0	347.0	347.0	347.0	347.0	0.0
150	8:55	236.0	238.0	235.0	233.0	233.0	235.0	1.9

	Nox Response	NO Response	NO2 Calculated Conc.	NO2 Analyzer Conc.	Correction Factor (Cc/Ci)	Slope Error (%)	Converted Data Response
Set point							
15 Min Reference	506.0	504.0	347.0	2.0	N/A	NA	1.2
Adjusted GPT 400 O3	492.0	64.0	428.0	428.0	1.0000	-0.7%	428.0
GPT 2 (200 cc O3)	527.0	180.0	347.0	347.0	1.0000	-0.6%	347.0
GPT 3 (150 cc O3)	537.0	302.0	235.0	236.0	0.9958	-0.6%	235.0
Zero	0.3	0.1	0.2	0.1	N/A	NA	1.2

Intercept	-0.290972
Correlation Coefficient	1.000000
Slope	1.000000

Converter efficiency 100%

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

- 1) Instrument is adjusted to give a correction factor (Ccalculated / Cindicated) as close to 1.0 as possible.
- 2) Each calibration point must be within  $\pm 10\%$  of the expected criteria
- 3) As found calibration point must be within  $\pm 10\%$  of the expected criteria
- 4) Analyzer must run within  $\pm 10\%$  of the manufacturer's specifications
- 5) Slope must be  $\geq 0.90$  and  $\leq 1.10$
- 6) Intercept must be = 3% of full range of analyzer
- 7) Correlation coefficient must be = 0.9950
- 8) Converter efficiency 96-104%

	NOx	NO	NO <sub>2</sub>
<b>As Found Span vs. Expected</b>	-0.3%	1.3%	-0.7%
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
<b>After Span Adjust - 1</b>	0.0%	0.3%	-0.7%
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
<b>After Span Adjust - 2</b>	-0.2%	0.4%	-0.6%
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
<b>After Span Adjust - 3</b>	0.1%	0.9%	-0.6%
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
<b>Slope</b>	0.994	1.005	1.000
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
<b>Intercept</b>	0.01	0.35	-0.29
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>
<b>Correlation</b>	1.000	1.000	1.000
	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

NOx	<b>According to BC MOE Guidelines this calibration has PASSED</b>
NO	<b>According to BC MOE Guidelines this calibration has PASSED</b>
NO <sub>2</sub>	<b>According to BC MOE Guidelines this calibration has PASSED</b>

**Calibration Performed by:** Brad Moyles  
**Comments:** Routine Calibration

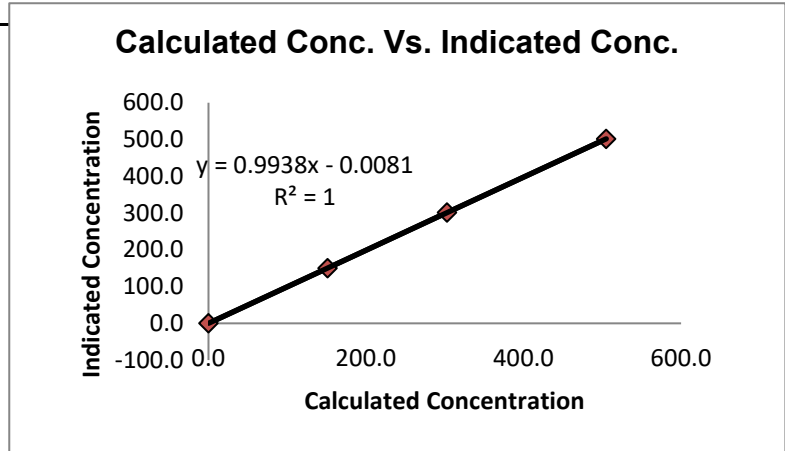
## NOx - NO - NO2 Least Squares Calculations

Company: Woodfibre LNG  
 Date: February 3, 2026  
 Analyzer: 42iQ  
 Units: ppb  
 Conc. Range: 0 - 500

Location: Woodfibre, BC  
 Job Number: 26C398857

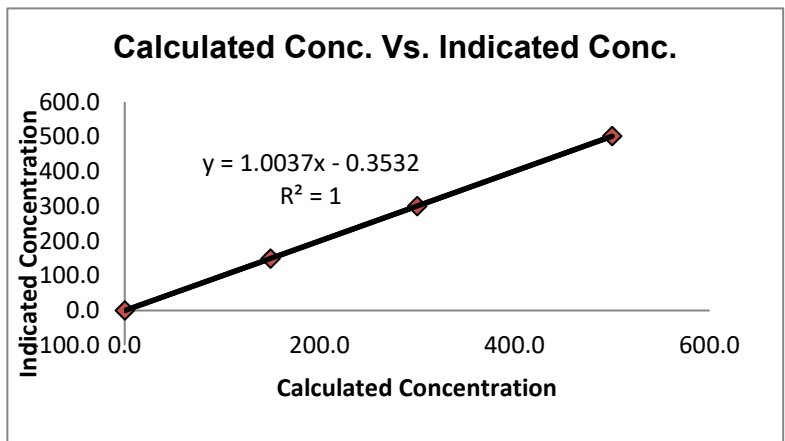
NOx	
Calculated Concentration	Converted Data Response
505.0	501.6
302.8	301.4
150.9	149.8
0.0	-0.1

Slope            0.9935  
 Intercept       0.0087  
 Correlation     1.0000



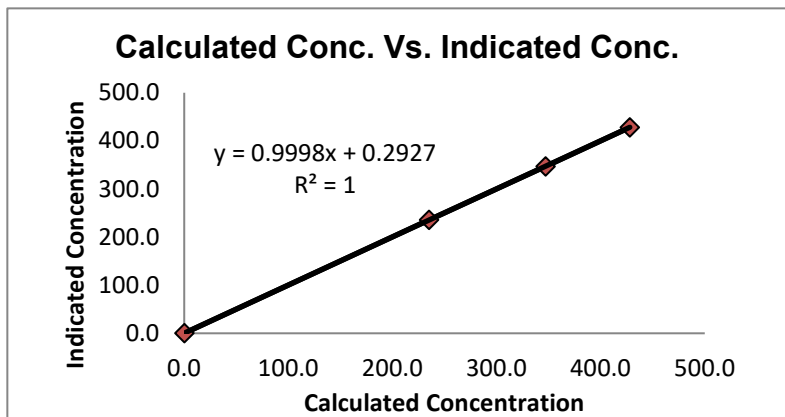
NO	
Calculated Concentration	Converted Data Response
500.2	501.8
299.9	300.6
149.5	149.2
0.0	0.0

Slope            1.0054  
 Intercept       0.3525  
 Correlation     1.0000



NO <sub>2</sub>	
NO Decrease	NO <sub>2</sub> increase
428.0	428.0
347.0	347.0
235.0	236.0
0.2	0.2

Slope            1.0000  
 Intercept       -0.2910  
 Correlation     1.0000



**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	2026-02-03	2026-05-31
Visual inspection and cleaning (loose connectors and fittings, cracked/clogged Teflon lines, excessive dirt and dust inside)	Bi-Monthly	Y	2026-02-03	2026-05-31
Leak test	Bi-Monthly	Y	2026-02-03	2026-05-31
Fan filter inspection and cleaning	Bi-Monthly	Y	2026-02-03	2026-05-31
Analyzer pump check (flow check) and replacement	Annually	N	2025-11-20	2026-11-30
Perm tube check (stability) and replacement	Annually	N	2025-11-20	2026-11-30
Zero charcoal replaced	Annually	N	2025-11-20	2026-11-30
SO2 scrubber beads replaced - 450i/45C ONLY	Annually	NA	NA	NA
Inspect and replace spent absorbent material (Drierite, silica gel) - 42i ONLY	Annually	NA	NA	NA



Station	Woodfibre LNG		Project #	26C398857	
Date	February 3, 2026	Time In	6:00	Time Out	16:00
Weather Conditions	Cloudy, light Rain		Technician On Site		BM

### LOG DETAILS

Routine Calibration - Nox

As Found 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

Date: February 5, 2026  
 Client: Woodfibre LNG  
 Location: Woodfibre, BC  
 Technician: Brad Moyles  
 Method: Beta Attenuation Mass Monitor  
 Make: Met One  
 Model: BAM 1020  
 Serial number: A12386  
 Parameter: TSP  
 Operating Range: 1000 ug/m<sup>3</sup>  
 Finish Time: 10:55 - 11:41

Audit Reference Instruments		
Make/Model	Serial Number	Date Last Calibrated
TriCal Flow Device	188	2025-06-03
CNX +3000 Fluke	2445002	2025-05-26
RH/BP/Temp Sensor	181250070	2025-05-26

**Audit Criteria:**

Leak Check (<1.5 L/min):	0.70	PASS
Sample Flow (±4% of 16.7 L/min):	16.64	PASS
Ambient Temperature (±2 °C):	-1.40	PASS
Ambient Pressure (±10 mmHg):	0.50	PASS
Ambient RH Error (±10%):	-2.12%	PASS

**Audit Results: PASS**

### Instrument Verification

Sample Flow	Target (L/min)	Actual (Reference Standard)	Error (%)
Leak Check	<1.5	0.70	
Flow Check	16.7	16.66	0.2%

Ambient Temperature:	°C	Ambient Pressure:	mmHg
Ambient Temperature (Reference)	13.4	Ambient Pressure (Reference)	768
Ambient Temperature (Analyzer)	12	Ambient Pressure (Analyzer)	768

2	filter RH:	%
Flow Rate: 16.66 L/min	Ambient Humidity (Reference)	61.3
Ambient Temperature: 13.4 °C	Ambient Humidity (Analyzer)	60

Barometric Pressure: 767.5 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: 11:21  
 PC Time: 11:21  
 Analyzer Date: 05-Feb  
 PC Date: 05-Feb



**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	2026-02-05	2026-05-30
Leak check	2 Months	Y	2026-02-05	2026-05-30
Flow system check	2 Months	Y	2026-02-05	2026-05-30
Clean capstan shaft and pinch roller	2 Months	Y	2026-02-05	2026-05-30
Thoroughly clean inlet	2 Months	Y	2026-02-05	2026-05-30
Download and save digital data and error log	2 Months	Y	2026-02-05	2026-05-30
Compare digital data to analog data	2 Months	Y	2026-02-05	2026-05-30
Check and set clock	2 Months	Y	2026-02-05	2026-05-30
Replace filter tape	2 Months	Y	2026-02-05	2026-05-30
Run SELF TEST	2 Months	Y	2026-02-05	2026-05-30
Download and verify settings file	2 Months	Y	2026-02-05	2026-05-30
Flow system audit and calibration	2 Months	Y	2026-02-05	2026-05-30
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	2026-02-05	2026-05-30
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	2025-08-06	2026-08-30
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	2025-08-06	2026-08-30
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	2025-11-19	2027-11-30
Replace nozzle o-ring	24 Months	N	NA	NA
Replace pump tubing if necessary	24 Months	N	NA	NA

Date:	February 4, 2026
Client:	Woodfibre LNG
Location:	Woodfibre, BC
Technician:	Brad Moyles
Method:	Beta Attenuation Mass Monitor
Make:	Met One
Model:	BAM 1020
Serial number:	W22222
Parameter:	PM10
Operating Range:	1000 ug/m <sup>3</sup>
Start Time:	10:25
Finish Time:	11:10

Audit Reference Instruments		
Make/Model	Serial Number	Date Last Calibrated
TriCal Flow Device	188	2025-06-03
CNX +3000 Fluke	2445002	2025-05-26
RH/BP/Temp Sensor	181250070	2025-05-26

Audit Criteria:		
Leak Check (<1.5 L/min):	0.70	PASS
Sample Flow (±4% of 16.7 L/min):	16.69	PASS
Ambient Temperature (±2 °C):	0.00	PASS
Ambient Pressure (±10 mmHg):	0.00	PASS
Ambient RH Error (±10%):	-0.03	PASS

**Audit Results: PASS**

### Instrument Verification

Sample Flow	Target (L/min)		Error (%)
Leak Check	<1.5	0.70	
Flow Check	16.7	16.75	0.3%

Ambient Temperature:	°C	Ambient Pressure:	mmHg
Ambient Temperature (Reference)	11	Ambient Pressure (Reference)	772
Ambient Temperature (Analyzer)	11	Ambient Pressure (Analyzer)	772

### As-Left Diagnostics

Flow Rate:	16.75	L/min
Ambient Temperature:	11	°C
Barometric Pressure:	771.5	mmHg
Tape Pressure:	27.1	mmHg
Filter Relative Humidity:	63.6	%
Filter Temperature:	27	°C
Smart Inlet Heater Status:	ON	
Measurement Cycle Time:	42	mins
Background Zero:	0.0	%
Analyzer Time:	11:25	
PC Time:	11:25	
Analyzer Date:	04-Feb	
PC Date:	04-Feb	

filter RH:	%
Ambient Humidity (Reference)	63.6
Ambient Humidity (Analyzer)	62



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	2026-02-04	2026-05-30
Leak check	2 Months	Y	2026-02-04	2026-05-30
Flow system check	2 Months	Y	2026-02-04	2026-05-30
Clean capstan shaft and pinch roller	2 Months	Y	2026-02-04	2026-05-30
Thoroughly clean inlet and particle trap	2 Months	Y	2026-02-04	2026-05-30
Download and save digital data and error log	2 Months	Y	2026-02-04	2026-05-30
Compare digital data to analog data	2 Months	Y	2026-02-04	2026-05-30
Check and set clock	2 Months	Y	2026-02-04	2026-05-30
Replace filter tape	2 Months	Y	2026-02-04	2026-05-30
Run SELF TEST	2 Months	Y	2026-02-04	2026-05-30
Download and verify settings file	2 Months	Y	2026-02-04	2026-05-30
Flow system audit and calibration	2 Months	Y	2026-02-04	2026-05-30
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	2026-02-04	2026-05-30
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	2025-08-06	2026-08-30
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	2025-08-06	2026-08-30
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	2025-11-19	2027-11-30
Replace nozzle o-ring	24 Months	N	NA	NA
Preplace pump tubing if necessary	24 Months	N	NA	NA

Date:	February 4, 2026
Client:	Woodfibre LNG
Location:	Woodfibre, BC
Technician:	Brad Moyles
Method:	Beta Attenuation Mass Monitor
Make:	Met One
Model:	BAM 1020
Serial number:	U11269
Parameter:	PM2.5
Operating Range:	1000 ug/m <sup>3</sup>
Start Time:	12:00
Finish Time:	1:00

Audit Reference Instruments		
Make/Model	Serial Number	Date Last Calibrated
TriCal Flow Device	188	2025-06-03
CNX +3000 Fluke	2445002	2025-05-26
RH/BP/Temp Sensor	181250070	2025-05-26

Audit Criteria:		
Leak Check (<1.5 L/min):	0.40	PASS
Sample Flow (±4% of 16.7 L/min):	16.76	PASS
Ambient Temperature (±2 °C):	0.50	PASS
Ambient Pressure (±10 mmHg):	1.50	PASS
Ambient RH Error (±10%):	0.20%	PASS

**Audit Results: PASS**

### Instrument Verification

Sample Flow	Target (L/min)	Actual (Reference Standard)	Error (%)
Leak Check	<1.5	0.40	
Flow Check	16.7	16.76	0.4%

Ambient Temperature:	°C	Ambient Pressure:	mmHg
Ambient Temperature (Reference)	11.5	Ambient Pressure (Reference)	771
Ambient Temperature (Analyzer)	12	Ambient Pressure (Analyzer)	772

### As-Left Diagnostics

Flow Rate:	16.76	L/min
Ambient Temperature:	11.5	°C
Barometric Pressure:	770.5	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:	12:38	
PC Time:	12:38	
Analyzer Date:	04-Feb	
PC Date:	04-Feb	

filter RH:	%
Ambient Humidity (Reference)	48.8
Ambient Humidity (Analyzer)	48.9



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	2026-02-04	2026-05-30
Leak check	2 Months	Y	2026-02-04	2026-05-30
Flow system check	2 Months	Y	2026-02-04	2026-05-30
Clean capstan shaft and pinch roller	2 Months	Y	2026-02-04	2026-05-30
Completely disassemble and clean inlet and cyclone	2 Months	Y	2026-02-04	2026-05-30
Download and save digital data and error log	2 Months	Y	2026-02-04	2026-05-30
Compare digital data to analog data	2 Months	Y	2026-02-04	2026-05-30
Check and set clock	2 Months	Y	2026-02-04	2026-05-30
Replace filter tape	2 Months	Y	2026-02-04	2026-05-30
Run SELF TEST	2 Months	Y	2026-02-04	2026-05-30
Download and verify settings file	2 Months	Y	2026-02-04	2026-05-30
Flow system audit and calibration	2 Months	Y	2026-02-04	2026-05-30
Ambient pressure, temperature and RH audit and calibration	2 Months	Y	2026-02-04	2026-05-30
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	2025-08-06	2026-08-30
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	2025-08-06	2026-08-30
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	2025-11-19	2027-11-30
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 #	26C398857	
Date	February 4 / 5, 2026	Time In	10:00	Time Out	13:00
Weather Conditions	Clear, sunny		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  
 BP check, passed

Cleaned sample inlets for PM2.5, PM10, TSP

## **Appendix E      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: 26C409933

AIR QUALITY MONITORING REVIEWED BY: Aby Cyriac, Lab Technician

DATE REPORTED: Mar 17, 2026

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.



## Air Quality Summary

AGAT WORK ORDER: 26C409933

PROJECT: Woodfibre LNG

3700 – 21 Street NE  
CALGARY, ALBERTA  
CANADA, T2E 6V6  
TEL (403)299-2158

<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	6.8	6.3



## Certificate of Analysis

AGAT WORK ORDER: 26C409933

PROJECT: Woodfibre LNG

3700 – 21 Street NE  
CALGARY, ALBERTA  
CANADA, T2E 6V6  
TEL (403)299-2158

<http://www.agatlabs.com>

CLIENT NAME: STANTEC CONSULTING LTD

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLING SITE:

SAMPLED BY:

### Passive Air Quality Sampling

DATE RECEIVED: 2026-03-10

DATE REPORTED: 2026-03-17

Parameter	Unit	G / S	RDL	Site#01/	Site#01/
				04Feb/26,10:42	04Feb/26,10:42
				03Mar/26,13:55	03Mar/26,13:55
				SAMPLE DESCRIPTION: /SO2	/VOC
				SAMPLE TYPE: FILTER	FILTER
				DATE SAMPLED:	
				7550201	7550204
Ambient Sulfur Dioxide	ppbv		0.2	<0.2	-
Ambient VOC as Hexane	ppbv		0.7	-	6.8

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard  
7550201-7550204 All samples are field blank subtracted.  
Analysis performed at AGAT Calgary (unless marked by \*)

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 26C409933

PROJECT: Woodfibre LNG

3700 – 21 Street NE  
CALGARY, ALBERTA  
CANADA, T2E 6V6  
TEL (403)299-2158

<http://www.agatlabs.com>

CLIENT NAME: STANTEC CONSULTING LTD

ATTENTION TO: Dan Jarratt/Kashif Choudhry

SAMPLING SITE:

SAMPLED BY:

### Passive Quality Assurance

DATE RECEIVED: 2026-03-10

DATE REPORTED: 2026-03-17

Parameter	Unit	G / S	RDL	Site#01/DUP	BLANK/	Site#01/DUP	BLANK/
				04Feb/26,10:42	04Feb/26,10:42	04Feb/26,10:42	04Feb/26,10:42
SAMPLE DESCRIPTION:				03Mar/26,13:55	03Mar/26,13:55	03Mar/26,13:55	03Mar/26,13:55
SAMPLE TYPE:				FILTER	FILTER	FILTER	FILTER
DATE SAMPLED:				7550202	7550203	7550205	7550206
Ambient Sulfur Dioxide	ppbv		0.2	<0.2	<0.2	-	-
Ambient VOC as Hexane	ppbv		0.7	-	-	5.8	<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: 26C409933  
 ATTENTION TO: Dan Jarratt/Kashif Choudhry  
 SAMPLED BY:

### Air Quality Monitoring

RPT Date: Mar 17, 2026			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	262	7550202	<0.2	<0.2	NA	< 0.2	102%	90%	110%	102%	80%	120%	99%	80%	120%
Ambient VOC as Hexane	195	7550205	6.8	5.8	15.7%	< 0.7	96%	60%	140%	97%	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: 26C409933

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



### Laboratory Use Only

AGAT Job Number: 26C409933

Notes:

## Chain of Custody Record

<b>Report Information</b> Company: <u>Stantec</u> Contact: <u>Kashif Choudry</u> Address: <u>255 - 2nd Ave North</u> <u>Saskatoon, Saskatchewan</u> Phone: <u>306-777-2435</u> Fax: <u>57K 3P2</u> LSD: Client Project #: <u>123222160-12-2005-200</u>	<b>Invoice To</b> Same Yes <input type="checkbox"/> / No <input type="checkbox"/> Company: <u>Stantec</u> Contact: <u>accounts.payable@stantec.com</u> Address: <u>255-2nd Ave North</u> <u>Saskatoon, Saskatchewan S7K 3P2</u> Phone: <u>306-777-2435</u> Fax: PO/AFE#: <u>123222160-12-2005-200</u>	<b>Turnaround Time Required (TAT)</b> Regular TAT <input checked="" type="checkbox"/> 5 to 7 working days Rush TAT <input type="checkbox"/> Less than 24 hours <input type="checkbox"/> 24 to 48 hours <input type="checkbox"/> 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.
---	---	--

LABORATORY USE (LAB ID #)	SITE NAME	DATE/TIME INSTALLED	DATE/TIME EXTRACTED	COMMENTS - SITE SAMPLE INFO, SAMPLE CONTAINMENT	# OF CONTAINERS	H2S Passive	SO2 Passive	NO2 Passive	O3 Passive	Sulphation	Dustfall	DUPLICATE	BLANK
	Please email reports to: <u>kashif.choudry@stantec.com</u> <u>dan.jarratt@stantec.com</u> <u>katicheva@stantec.com</u>												
	WLN G - SO2 AQMS	<u>Feb 4 - 10:42</u>	<u>March 3 - 1:55</u>										
	WLN G SO2 Duplicate	↓	↓										
	WLN G SO2 BLANK												
	WLN G VOC AQMS												
	WLN G VOC Duplicate												
	WLN G VOC BLANK												

Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign): <u>[Signature]</u>	Date/Time: <u>Mar 10, 2006</u>	Pink Copy - Client Yellow Copy - AGAT White Copy - AGAT	Page <u>1</u> of <u>1</u>
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time		No: <b>06068</b>
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time		