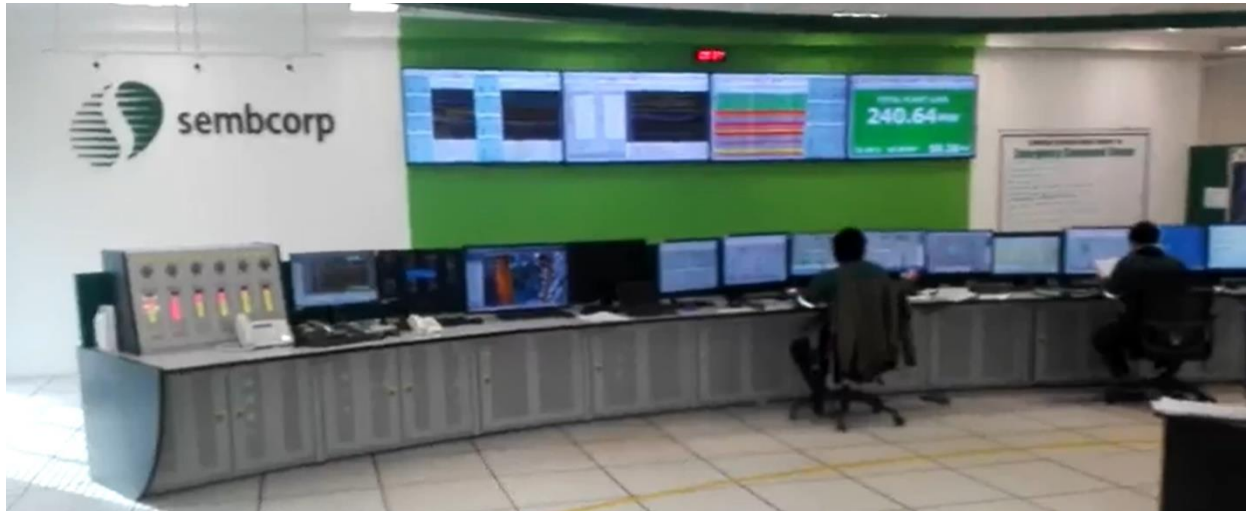


## **APPENDIX 1A VIRTUAL SITE VISIT PHOTO LOG (2020)**



**Photo 1:** View of the Myingyan CCGT Plant (Photo taken from live video during December 2020 Audit)



**Photo 2:** Plant Control Room with Continuous Operations Monitoring System within the main administration building (Photo taken from live video during December 2020 Audit)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL ENVIRON**



**Photo 3:** Views of the plant exterior (Photo taken from live video during December 2020 Audit)



**Photo 4:** Chemical Store (Photo taken from live video during December 2020 Audit)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 5:** Chemical Storage Area (Photo provided by SMPC, December 2020)



**Photo 6:** Drum Storage Area (Photo provided by SMPC, December 2020)

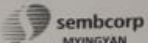
**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259









CMB pH Manual Grab Sampling Record				
Description	Testing Date	Result	Testing Person & Sign	Approved Person & Sign
Central Monitoring Basin(pH)	8.11.20 (13:14)	7-10.8	Yor Zay P.N Yor	Htoo Htoo
Central Monitoring Basin(pH)	8.11.20 (19:02)	7-10.8	Yor Zay P.N Yor	Htoo Htoo
Central Monitoring Basin(pH)	9.11.20 (09:34)	7-10.8	Zaw Mye Aung (2)	Min H. A. N
Central Monitoring Basin(pH)	9.11.20 (10:45)	7-10.8	Yor Zay P.N (2)	Htoo Htoo
Central Monitoring Basin(pH)	9.11.20 (17:05)	7-10.8	Yor Zay P.N Yor	Htoo Htoo
Central Monitoring Basin(pH)	9.11.20 (22:15)	7-10.8	Zaw Mye Aung (2)	Min H. A. N
Central Monitoring Basin(pH)	10.11.20 (15:27)	7-10.8	Hot Mye Aung Hot	Min H. A. N
Central Monitoring Basin(pH)	11.11.20 (17:37)	7-10.8	For Mye Aung For	Min H. A. N
Central Monitoring Basin(pH)	11.11.20 (18:44)	7-10.8	Hot Mye Aung Hot	Min H. A. N
Central Monitoring Basin(pH)	12.11.20 (17:17)	7-10.8	For Mye Aung For	Min H. A. N
Central Monitoring Basin(pH)	12.11.20 (18:00)	7-10.8	Hot Mye Aung Hot	Min H. A. N
Central Monitoring Basin(pH)	13.11.20 (00:35)	7-10.8	Yor Zay P.N Yor	Htoo Htoo
Central Monitoring Basin(pH)	13.11.20 (00:54)	7-10.8	Yor Zay P.N Yor	Htoo Htoo
Central Monitoring Basin(pH)	18.11.20 (18:47)	7-10.8	Zaw Mye Aung (2)	Min H. A. N
Central Monitoring Basin(pH)	18.11.20 (19:09)	7-10.8	Zaw Mye Aung (2)	Min H. A. N
Central Monitoring Basin(pH)	19.11.20 (13:42)	7-10.8	Yor Zay P.N Yor	Htoo Htoo

2020/12/10 11:48

**Photo 7:** Wastewater pH Sampling (Photo provided by SMPC, December 2020)



**Photo 8:** Used oil stored at Lub Oil Shelter (Photo provided by SMPC, December 2020)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259





**Photo 9:** U Myint Swe – Aye Village Head (Photo of remote interview provided by SMPC, December 2020)



**Photo 10:** U Kyaw Min Wai – Gyoke Pin PAP (Photo of remote interview provided by SMPC, December 2020)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021

**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 11:** U Kyaw Htun – Fisherman and U Win Shwe Village Head (Photo of remote interview provided by SMPC, December 2020)



**Photo 12:** U Shu Maung – Nyaung Kan Village Head (Photo of remote interview, provided by SMPC, December 2020)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021

**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 13:** U Nyunt Kyi – Hta Naung Pin Su Village Head (Photo of remote interview, provided by SMPC, December 2020)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON

## **APPENDIX 1B SITE VISIT PHOTO RECORD (2019)**



**Photo 1:** View of the Myingyan CCGT Plant (December 2019)



**Photo 2:** View of the Administration Building (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 331000018

**RAMBOLL** ENVIRON





**Photo 3:** Plant Control Room with Continuous Operations Monitoring System within the main Administration Building (December 2019)

HSSE PERFORMANCE (Safety & Health) Oct 2019				
	2019 Oct	2019 YTD	Target	2018 Record
Total Man-hour without LTI	103,530	648,530		(PTD) 797,000
Daysince last LTI	31	304		
Fatality	0	0	0	0
Lost Work Day Injury Cases	0	0	0	0
Occupational Disease Cases	0	0	0	0
(Total Recordable Injury Rate (TRIR)	0	0	0.74	0
(Lost Time Injury Rate (LTIR)	0	0	0.55	0
(Accident Severity Rate (ASR)	0	0	124.67	0

Leading HSSE KPIs - Oct 2019				
Parameter	Unit	Oct 2019 Actual	YTD	Plan 2019
BBS observations	card	635	2,415	2500
HSSE training man-hours	hour	119	2,879.5	1824.5
HSSE Audit (Internal/external)	number	106	111	2
Near-miss investigated	%	100%	100%	100%
Management walk-down	number	17	56	48

**Photo 4:** Display of HSSE Performance Data adjacent to the Plant Control Room (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 331000018





**Photo 5:** View of the two gas turbines (December 2019)



**Photo 6:** River water storage reservoir (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 7:** Sludge hoppers for collection of sludge from the water treatment plant (December 2019)



**Photo 8:** Lubricant oil storage area (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 9:** Two (2) fire water storage tanks of 1200 m<sup>3</sup> capacity each (December 2019)



**Photo 10:** Chemical feeding area (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON



**Photo 11:** Sanitary wastewater treatment plant (December 2019)



**Photo 12:** MOGE gas receiving station (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 13:** Off-site storage area owned and operated by OK Service for sludge from the water treatment plant (December 2019)



**Photo 14:** Entrance leading to the river water supply pumping station (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 15:** Overview of the river water supply pipeline and pumping station (December 2019)



**Photo 16:** River water supply pumps (December 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON





**Photo 17:** Designated water sampling location from the discharge pipeline (December 2019)



**Photo 18:** Fishing on the banks of the Ayeyarwady River, next to the river water pumping station (Dec 2019)

**Title:** Sixth Environmental and Social Monitoring Report  
**Site:** Myingyan CCPP, Myanmar

**Date:** March 2021  
**Project:** 335000259

**RAMBOLL** ENVIRON

## **APPENDIX 2 MONITORING PLAN**



**Myingyan Natural Gas Power Project  
Lenders' Environmental and Social Consultant (LESC) Sixth Monitoring Round  
Updated Final Monitoring Plan**

<b>Monitoring Visit Date:</b>	December 10-18, 2020	<b>Site Location:</b>	Sembcorp Myingyan Power Company Ltd. Myingyan, Myanmar
<b>Monitoring Team:</b>	<p>The monitoring team will comprise:</p> <ul style="list-style-type: none"> <li>Ms Sharon Maharg, Ramboll – Social Specialist Mobile: +1 917 326 9330, E-mail: <a href="mailto:smaharg@ramboll.com">smaharg@ramboll.com</a></li> <li>Ms. Cara Quinn, Ramboll – Environmental Specialist Mobile: +65 97867491, E-mail: <a href="mailto:cquinn@ramboll.com">cquinn@ramboll.com</a></li> </ul> <p>Also present from Ramboll; Juliana Ding and Barbara Lama</p>		
<b>Principal Client Representatives:</b>	<ul style="list-style-type: none"> <li>Mr. Kedar Guttikar, Sembcorp, Business Development Manager Tel: + 65 8939 9927, E-mail: <a href="mailto:kedar.guttikar@sembcorp.com">kedar.guttikar@sembcorp.com</a></li> <li>Mr. Aung Lwin Oo – Development Manager Tel: +95 9 9726 08080, E-mail: <a href="mailto:aung.lwinoo@sembcorp.com">aung.lwinoo@sembcorp.com</a></li> <li>Mr. Pe Myint Tun, Sembcorp, Engineering and Commercial Tel: +95 9 972530839, E-mail: <a href="mailto:PeMyint.Tun@sembcorp.com">PeMyint.Tun@sembcorp.com</a></li> <li>Mr Tin Maung Thein – Project HSE Manager Tel: +65 9105 5566, E-mail: <a href="mailto:maung.tin@sembcorp.com">maung.tin@sembcorp.com</a></li> <li>Ms. Naing Naing Aung –Human Resources Manager Tel: +65 8249 0796, E-mail: <a href="mailto:naing.naingaung@sembcorp.com">naing.naingaung@sembcorp.com</a></li> </ul>		
<b>Lender Team</b>	<ul style="list-style-type: none"> <li>Beatrice Gomez, ADB Tel: +632 632 4444, E-mail: <a href="mailto:bgomez@adb.org">bgomez@adb.org</a></li> <li>Indira Simbolon, ADB Tel: +632 632 4444, E-mail: <a href="mailto:indirasimbolon@adb.org">indirasimbolon@adb.org</a></li> <li>Ruby Ojha, IFC E-mail: <a href="mailto:rojha1@ifc.org">rojha1@ifc.org</a></li> <li>Sajid Imtiaz Khan, IFC E-mail: <a href="mailto:skhan36@ifc.org">skhan36@ifc.org</a></li> <li>Saadia Hassan, IFC E-mail: <a href="mailto:shassan7@ifc.org">shassan7@ifc.org</a></li> <li>Wenlei Zhou, IFC Tel: +1 202 294 9327, E-mail: <a href="mailto:wzhou1@ifc.org">wzhou1@ifc.org</a></li> <li>Georgi Dzhartov, AIIB E-mail: <a href="mailto:georgi.dzhartov@aiib.org">georgi.dzhartov@aiib.org</a></li> </ul>		

	<ul style="list-style-type: none"> <li>• Joana Nicolau, MIGA E-mail: <a href="mailto:jnicolau@worldbank.org">jnicolau@worldbank.org</a></li> </ul>
<b>Persons to be Notified of Monitoring Visit:</b>	<p>In addition to those listed above:</p> <ul style="list-style-type: none"> <li>• Benjamin Man Ling Li, IFC E-mail: <a href="mailto:bli1@ifc.org">bli1@ifc.org</a></li> <li>• Rubens Hideo Noguchi, AIIB E-mail: <a href="mailto:rubens.noguchi@aiib.org">rubens.noguchi@aiib.org</a></li> <li>• Che Yu Kok, DZ Bank E-mail: <a href="mailto:cheyu.kok@dzbank.de">cheyu.kok@dzbank.de</a></li> </ul>
<b>Scope of Monitoring:</b>	<p>The 6<sup>th</sup> Environmental and Social Monitoring Round will cover the CCGT site and its associated facilities, the operational Open Cycle facility, transmission line, water supply pipeline, wastewater pipeline and gas receiving station.</p> <p>It will also include an assessment of the current project workforce, land acquisition and other social issues associated with the 13 affected local communities and persons affected by the Project (PAPs).</p> <p>Ramboll will review the management of operations phase environmental and social risks and impacts, as defined in the operations phase Environmental and Social Management Plans (OESMPs), which are designed to ensure that the project complies with Applicable E&amp;S Standards and with commitments made in the project ESIA.</p> <p>Ramboll will also assess the status of gaps identified during the previous monitoring round (December 2019) and of items noted in the environmental and social action plan (ESAP).</p> <p>Due to Covid-19 restrictions, the monitoring visit will be carried out by remote audit means, comprising Teams / Zoom teleconference calls and review of photographic / video records.</p>
<b>Objectives:</b>	<p>The primary objectives of the monitoring visit, as defined in the scope of work, are to:</p> <ol style="list-style-type: none"> <li>a) verify that the Project complies with the Applicable Standards in relation to the environment, local communities, health and safety;</li> <li>b) identify any E&amp;S, labour, and Health and Safety (H&amp;S) related impacts, risks or liabilities which have not been properly mitigated or controlled in the Project;</li> <li>c) assess the technical adequacy and the implementation status of the Project's environmental, safety and social management systems, its management plans and other related documents; and</li> <li>d) recommend any necessary additional preventive and corrective actions to address any ESHS related impacts, risks or liabilities identified to achieve compliance to the Lenders safeguard policy requirements.</li> </ol>
<b>Components of Monitoring Plan:</b>	<p>The monitoring visit will include:</p> <ol style="list-style-type: none"> <li>a) Open cycle power plant, including:</li> <li>b) General site inspection</li> <li>c) Hazardous materials storage – onsite and offsite storage locations (if any)</li> <li>d) Waste storage onsite and offsite storage locations</li> <li>e) Process wastewater treatment and disposal</li> </ol>



- |  |   |
|--|---|
|  | <p>f) Domestic sewage treatment and disposal</p> <p>g) Stormwater drainage</p> <p>h) Water treatment plant (demineralised water)</p> <p>i) Inspection of raw water intake station, process water discharge point, pipeline right of way, transmission towers, and gas receiving station.</p> <p>j) Social-related activities off-site, including:</p> <ul style="list-style-type: none"> <li>i. Virtual interview with communities <ul style="list-style-type: none"> <li>▪ U Shu Maung – Village Head (Nyaung Kan Village)</li> <li>▪ U Kyaw Toe – Village Tract Administrator (Kyun U Village)</li> <li>▪ U Kyaw Htun – Fisherman (Tha Pyay Thar Village)</li> <li>▪ U Kyaw Min Wai – PAP 0012 (Gyoke Pin Village)</li> </ul> </li> <li>ii. In addition, a virtual interview with U Nyunt Kyi, one of the 5 PAPs who were not consulted in December 2019.</li> <li>iii. Meetings that had been arranged with the 4 other PAPs who were not consulted in December 2019 were cancelled due to COVID 19 restrictions and include: <ul style="list-style-type: none"> <li>▪ U Thaung Sein, Ma Yoe Kone Village;</li> <li>▪ U Thaung Swe, Ma Yoe Kone Village</li> <li>▪ U Thaung Nyut, Ma Yoe Kone Village: The PAP has passed away and our meeting was to be with his grandson; and</li> <li>▪ U Aung Khin Myint, Kyun U Village</li> </ul> <p>Ramboll will plan to consult with U Thaung Sein, U Thaung Swe, the family of U Thaung Nyut; and U Aung Khin Myint during next year's monitoring site visit.</p> </li> <li>iv. <i>Note that, due to Covid-19 situation, no meetings will be held with the District Hospital Administrator and District Police Chief (previously met in November 2016, January 2018 and December 2019).</i></li> </ul> <p>k) Discussions with SMPC and Sembcorp Senior Management Representatives on:</p> <ul style="list-style-type: none"> <li>i. Overview of the project, including key environmental and social challenges</li> <li>ii. Overview of any ongoing E&amp;S issues with the affected local communities, including details on the final land acquisition process for the elevated pipeline area; and an update on issues raised by the NGOs and agreed actions to address NGO / community concerns (e.g. upstream and downstream ambient water quality monitoring, development of a participatory monitoring program, updated strategy for better information dissemination).</li> <li>iii. Status of issues raised in our last monitoring report</li> <li>iv. Legal compliance status</li> </ul> <p>l) Project HSE Manager</p> <ul style="list-style-type: none"> <li>i. Roles and responsibilities of the HSSE staff for operations phase</li> <li>ii. Site specific HSSE procedures for operations phase</li> </ul> |
|--|---|

	<ul style="list-style-type: none"> <li>iii. Management of change</li> <li>iv. Review internal audit and inspection programme and reports</li> <li>v. Environmental monitoring data from December 2019 to current monitoring reports (including CEMS, ambient air quality and boundary noise)</li> <li>vi. Non-conformities and corrective actions</li> <li>vii. External reporting of environmental and social issues (e.g. reporting to government agencies and lenders)</li> <li>viii. Status of ESAP issues</li> </ul> <p>m) Human Resources Manager</p> <ul style="list-style-type: none"> <li>i. Workforce update (with breakdown: local vs. national and foreign workers, male and female)</li> <li>ii. Update on the worker skills training programme</li> <li>iii. Update on the workers using rental housing</li> <li>iv. Update on OHS practices and any incidents since the last visit</li> <li>v. Update on the workers' grievance mechanism, and register review</li> </ul> <p>n) Development and Community Relations Managers</p> <ul style="list-style-type: none"> <li>i. Update on community development and community/stakeholder engagement activities since the last visit</li> <li>ii. Update on the Community Grievance Mechanism, external grievance committee organization, and a review of the Grievance Mechanism register</li> </ul> <p>o) Current workers (discussions during site inspection)</p> <ul style="list-style-type: none"> <li>i. HSSE awareness</li> <li>ii. Knowledge of grievance mechanism</li> </ul> <p>p) Assess compliance with a sample of requirements in the following environmental and social management plans that were established for the Operations Phase including review of all available environmental and H&amp;S monitoring data.</p> <ul style="list-style-type: none"> <li>i. Environmental Management Plan which includes: <ul style="list-style-type: none"> <li>▪ Air Quality Management</li> <li>▪ Noise and Vibration Management</li> <li>▪ Surface Water Quality Management</li> <li>▪ Waste Management</li> </ul> </li> <li>ii. Security Management Plan</li> <li>iii. Occupational Safety and Health Management Plan</li> <li>iv. Emergency preparedness and response plan</li> <li>v. Stakeholder Engagement Plan</li> <li>vi. Local Recruitment and Procurement Management Plan (informal discussion on recruitment and procurement management since the Plan is no longer being implemented by SMPC)</li> </ul>
--	--



	<p>vii. Community Development Plan (which includes Community health management)</p>
<p><b>Monitoring Schedule:</b> <b>Yangon Time</b></p>	<p><b>Thursday, December 10, 2020:</b></p> <ul style="list-style-type: none"> <li>○ 08:45 - 09:00 Join the teleconference call</li> <li>○ 09:00 – 10:00 Opening meeting (Sharon Maharg, Cara Quinn, Juliana Ding; and All Lenders) <ul style="list-style-type: none"> <li>○ Introductions</li> <li>○ Company presentation on the Annual Stakeholder Meeting to take place on 2- 4 December 2019, and how it was conducted during the pandemic.</li> <li>○ Discussion during the meeting with Sembcorp and SMPC on the issues raised by the NGOs, including any NGO comments received after the posting of Ramboll’s 5<sup>th</sup> report on ADB’s website in July, and any recent criticisms that Ramboll may not be aware of, and to receive an update on how they are addressing these criticisms</li> </ul> </li> <li>○ 10:00 – 12:30 Company Presentation and Overview (Cara Quinn and Lenders’ <b>Environmental</b> team members) <i>Short breaks as required</i> <ul style="list-style-type: none"> <li>○ Company presentation on HSSE management, including project status, overview of operations phase ESMP, HSSE performance, review of any incidents since the last monitoring visit, trends from recent audits and inspections, status of issues raised in the last monitoring report, issues raised in recent monthly reports, etc.</li> </ul> </li> <li>○ 10:00 – 12:30 Social Interviews (Sharon Maharg, Juliana Ding, Barbara Lama (Ramboll); Wenlei Zhou (IFC), Indira Simbolon (ADB) and Georgi Dzhartov, (AIIB) <i>Short breaks as required.</i> <ul style="list-style-type: none"> <li>○ 10:00 - 10:30 interview at Nyaung Kan Village with U Shu Maung – Village Head</li> <li>○ 12:00 - 12:30 interview at Hta Naung Pin Su Village with U Nyunt Kyi PAP</li> </ul> </li> </ul> <p><b>Friday, December 11, 2020:</b></p> <ul style="list-style-type: none"> <li>○ 09:00 – 12:00 Virtual Walk Through the Plant (Cara Quinn and Beatrice Gomez (ADB), Ruby Ojha (IFC), Sajid Imtiaz Khan (IFC)) <ul style="list-style-type: none"> <li>○ Virtual site inspection of the operational plant areas</li> <li>○ View up to date (December 2020) photographs of the gas receiving station, raw water intake station, process water discharge point, the municipal waste disposal site, offsite sludge storage area (if available), offsite warehouse for chemical storage (if available).</li> </ul> </li> <li>○ Social Interview (Sharon Maharg and Barbara Lama (Ramboll), Wenlei Zhou (IFC), Indira Simbolon (ADB) and Georgi Dzhartov (AIIB))</li> </ul>

	<ul style="list-style-type: none"> <li>○ 09:00 – 10:00 Interview at Gyoke Pin Village with U Kyaw Min Wai PAP</li> <li>○ Social Interviews (Sharon Maharg and Barbara Lama (Ramboll), Wenlei Zhou and Ruby Ojha (IFC), Indira Simbolon and Beatrice Gomez (ADB) and Georgi Dzhartov (AIIB).</li> <li>○ 10:45 – 12:30 Interviews at Tha Pyay Thar Village with U Kyaw Htun – Fisherman and U Win Shwe – Village Head</li> <li>○ Social Interview (Sharon Maharg and Barbara Lama (Ramboll), Wenlei Zhou (IFC), and Georgi Dzhartov (AIIB)</li> <li>○ 14:00 – 14:45 interview at Aye Village with U Myint Swe – Village Head</li> </ul> <p><b>Tuesday, December 15, 2020:</b></p> <ul style="list-style-type: none"> <li>• Social Management Plans Review (Sharon Maharg and Barbara Lama (Ramboll), Wenlei Zhou (IFC), Indira Simbolon (ADB) and Georgi Dzhartov (AIIB).</li> <li>○ 9:30-11:00 am Interview with SMPC Social Team (ALO and Koyin) regarding:             <ul style="list-style-type: none"> <li>▪ Status of implementation of the 2019-2020 Community Development and Stakeholder Engagement Plans, procedures and KPIs; and impact of Covid-19 situation on social monitoring;</li> <li>▪ Results of Public Stakeholder Engagement Meetings, a further discussion; and</li> <li>▪ Update on the Community Grievance Mechanism and database.</li> </ul> </li> <li>• Human Resources Plans Review (Sharon Maharg and Barbara Lama (Ramboll), and Wenlei Zhou and Ruby Ojha (IFC)</li> <li>○ 11:00- 12:00 pm Interview with Naing Naing Aung, SMPC Human Resources Manager regarding:             <ul style="list-style-type: none"> <li>▪ Handling of Covid-19 related issues for workers and affected communities;</li> <li>▪ An update on implementation of the Human Resources procedures; current Project workforce numbers; and workers' skills training program;</li> <li>▪ Update on the Workers' Grievance Mechanism and database;</li> <li>▪ Update on the workers using rental housing; and</li> <li>▪ Discussion on gender, diversity and inclusion.</li> </ul> </li> </ul>
--	--



	<p><b>Wednesday, December 16, 2020:</b></p> <p>The following Environmental and Closing Meeting will take place at times to be agreed upon:</p> <p><u>Environmental Performance</u> (Cara Quinn and, partially, Beatrice Gomez (ADB), Ruby Ojha (IFC), Sajid Imtiaz Khan (IFC) Wenlei Zhou (IFC) and Georgi Dzhartov (AIIB))</p> <ul style="list-style-type: none"> <li>○ Interview with HSE Manager on environmental aspects and impact of Covid-19 situation on environmental monitoring.</li> <li>○ Review environmental monitoring records for waste, air, noise, process water discharge.</li> <li>○ Interview with Project HSE Manager and HSE Team regarding:             <ul style="list-style-type: none"> <li>▪ Review of Roles and responsibilities of the HSSE staff for operations phase</li> <li>▪ Site specific HSSE procedures for operations phase</li> <li>▪ Review internal audit and inspection programme and reports for operations phase</li> <li>▪ Environmental monitoring data from December 2019 to current monitoring reports (including CEMS, ambient air quality and boundary noise)</li> <li>▪ Non-conformities and corrective actions</li> <li>▪ External reporting of environmental and social issues (e.g. reporting to government agencies and lenders)</li> <li>▪ Status of ESAP issues</li> </ul> </li> </ul> <p><b>Friday, December 18, 2020:</b></p> <ul style="list-style-type: none"> <li>• 9:00-11:00 am Closing Meeting (SMPC, Sembcorp, Ramboll and All Lenders)</li> </ul>
<b>Reporting:</b>	A draft report will be available six weeks after the monitoring visit.
<b>Monitoring Round Arrangements:</b>	MS Teams conference calls to be utilised. Ramboll can set up calls.
<b>Health &amp; Safety Considerations:</b>	<ul style="list-style-type: none"> <li>• Practice Covid-19 safe management measures e.g. virtual meetings where possible, minimise group size, practice social distancing in meeting rooms</li> <li>• Ensure H&amp;S precautions during virtual plant walk (e.g. mindful of slip, trip and fall hazards)</li> </ul>

## **APPENDIX 3 ENVIRONMENTAL MONITORING RESULTS – AIR AND NOISE**



## Ambient Air Quality Monitoring

The ambient air concentrations of NO<sub>x</sub>, SO<sub>2</sub>, CO<sub>2</sub>, CO, O<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> were monitored at four locations:

- one village house at Sa Ka Village;
- one village house at Hana Ywa Village;
- one village house at Gyoke Pin Village;
- one village house at Nyaung village.

The monitoring results were compared against the Myanmar National Environmental Quality (Emission) (NEQ) Guidelines (2015), World Health Organization (WHO) Air Quality Guidelines Global Update 2005 as well as the National Ambient Air Quality Standards (NAAQS) issued by the US Environmental Protection Agency (US EPA). The parameters monitored were compliant against the stipulated standards at all four monitoring locations.

The data is reported in the following table and summarised in the subsequent charts.

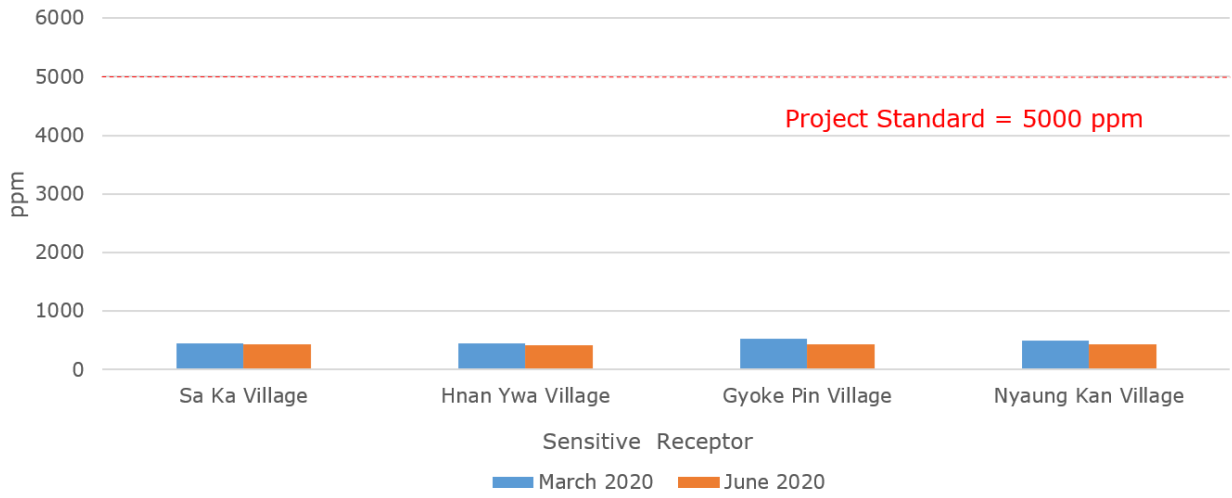
### Ambient Air Quality Monitoring at Sensitive Receptors

Name of sampling locations	Approximate Distance from Site	Parameters	Units	Mar-20	Jun-20 *	Project Standard	Average Period
Sa Ka Village	630 m	CO	ppm	0	0	9	8 hrs
		CO <sub>2</sub>	ppm	447.89	427.62	5000	8 hrs
		SO <sub>2</sub>	µg/m <sup>3</sup>	0	0	20	24 hrs
		NO <sub>2</sub>	µg/m <sup>3</sup>	3.80	3.76	200	1 hr
		PM <sub>10</sub>	µg/m <sup>3</sup>	22.67	4.37	50	24 hrs
		PM <sub>2.5</sub>	µg/m <sup>3</sup>	13.74	2.09	25	24 hrs
Hnan Ywa Village	1,560 m	CO	ppm	0	0	9	8 hrs
		CO <sub>2</sub>	ppm	450.01	417.89	5000	8 hrs
		SO <sub>2</sub>	µg/m <sup>3</sup>	0	0	20	24 hrs
		NO <sub>2</sub>	µg/m <sup>3</sup>	3.76	3.76	200	1 hr
		PM <sub>10</sub>	µg/m <sup>3</sup>	23.61	3.23	50	24 hrs
		PM <sub>2.5</sub>	µg/m <sup>3</sup>	14.18	1.47	25	24 hrs
Gyoke Pin Village	2,720 m	CO	ppm	0	0	9	8 hrs
		CO <sub>2</sub>	ppm	529.58	431.19	5000	8 hrs
		SO <sub>2</sub>	µg/m <sup>3</sup>	0	0	20	24 hrs
		NO <sub>2</sub>	µg/m <sup>3</sup>	30.51	8.46	200	1 hr
		PM <sub>10</sub>	µg/m <sup>3</sup>	19.66	2.56	50	24 hrs
		PM <sub>2.5</sub>	µg/m <sup>3</sup>	11.04	1.20	25	24 hrs
Nyaung Kan Village	2,760 m	CO	ppm	0	0	9	8 hrs
		CO <sub>2</sub>	ppm	500.75	431.88	5000	8 hrs
		SO <sub>2</sub>	µg/m <sup>3</sup>	0	0	20	24 hrs
		NO <sub>2</sub>	µg/m <sup>3</sup>	28.71	6.26	200	1 hr
		PM <sub>10</sub>	µg/m <sup>3</sup>	28.43	2.86	50	24 hrs
		PM <sub>2.5</sub>	µg/m <sup>3</sup>	17.45	1.51	25	24 hrs

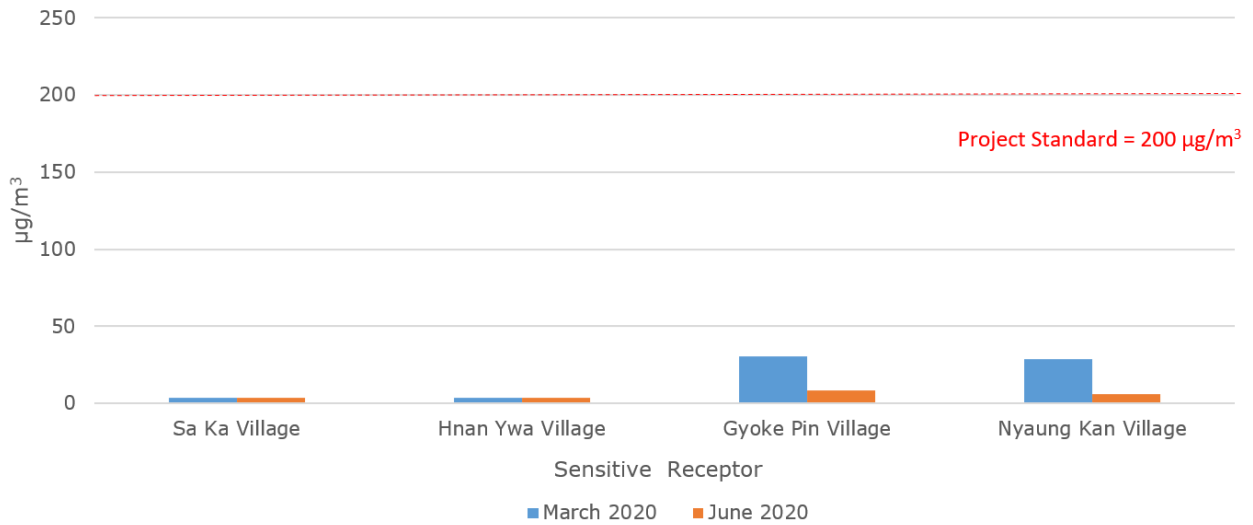
Third party monitoring of ambient air conducted by E Guard Environmental Services

\* The monitoring period: 29 June 2020 – 03 July 2020

### Maximum 8-hr CO<sub>2</sub> at Sensitive Receptors

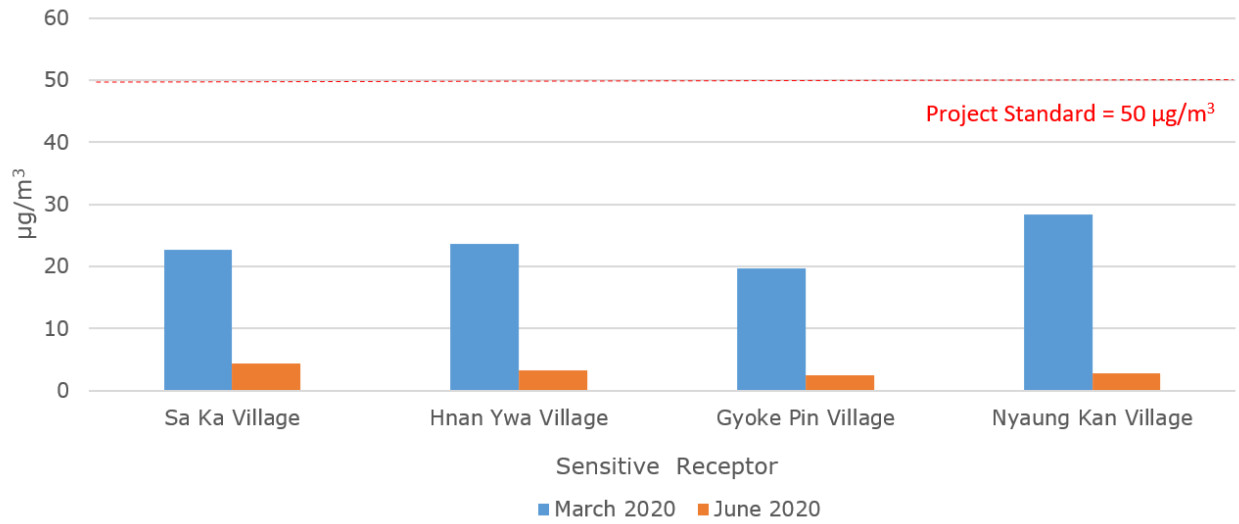


### Maximum 1-hr NO<sub>2</sub> Monitoring at Sensitive Receptors

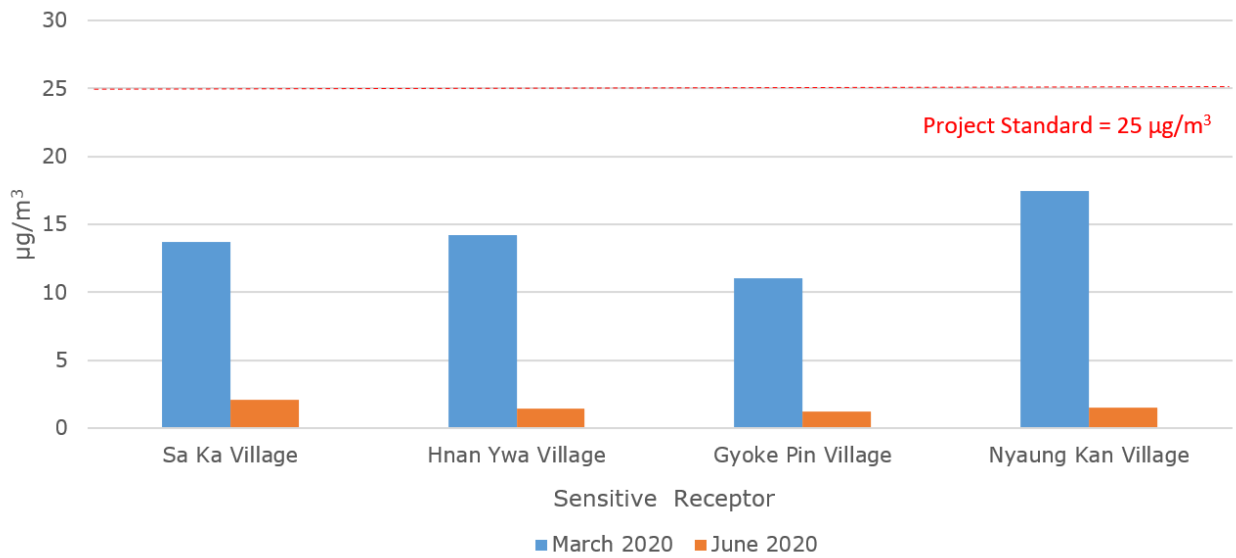




### 24-hr PM<sub>10</sub> at Sensitive Receptors



### 24-hr PM<sub>2.5</sub> at Sensitive Receptors



Ambient Noise Monitoring for Operations Phase

Noise monitoring was conducted by a third party appointed by SMPC called E Guard Environmental Services at two (2) locations i.e. at the Project site and Sa Ka Village (closest residential area) located approximately 630 m from the site. The monitoring data for ambient noise levels of the two locations for March 2020 (sampling period from March 16, 2020 to March 18, 2020) and June 2020 (sampling period from June 29, 2020 to July 1, 2020) were averaged and compared against the Myanmar National Environmental Quality (Emission) (NEQ) Guidelines (2015).

The NEQ Guidelines specify that daytime noise levels should not exceed 70 dBA in industrial areas and 55 dBA (daytime) and 45 dBA (night-time) for residential areas. The ambient noise levels for the site were well below the stipulated limits of 70 dBA in industrial areas; while the ambient noise levels for the closest residential area (N2 – Sa Ka Village) were below the daytime limit of 55 dBA. However, exceedances of the night-time limit of 45 dBA were reported at N2 location for all two monitoring events.

The data is reported in the following table.

Average Ambient Noise Levels for the Operations Phase

Name of Sampling Location	Noise monitoring location (time)	Mar 2020 Report (Leq)	Jun 2020 Report (Leq)	Project Standard
Myingyan CCPP Plant	N1 (daytime)	64.02	48.90	70
	N1 (night-time)	64.01	49.90	70
Sa Ka Village (630 m from the site)	N2 (daytime)	53.24	45.71	55
	N2 (night-time)	<b>53.10</b>	<b>48.74</b>	45



## Operations Phase Emissions Monitoring

Hourly NO<sub>x</sub> stack emissions were monitored at 2 different emission units from January 1, 2020 to December 31, 2020. The maximum hourly emissions are listed in the table below: the maximum hourly emissions are below the Myanmar National Environmental Quality (Emission) Guidelines Values for Thermal Power with a total rated heat input capacity above 50-megawatt thermal input on high heating value basis.

The maximum emissions occurred during low load operations. The low load operations occurred rarely, only for 32 hours for Unit 1 and 26 hours for Unit 2. Compared with low load operations, normal operations produce less NO<sub>2</sub> emissions.

The data is reported in the following table and summarised in the subsequent charts.

### Maximum Monitored Stack Emissions – Hourly NO<sub>x</sub>

Emission Unit	Date, Time	Maximum Hourly Emission (ppmv)	Maximum Hourly Emission (mg/Nm <sup>3a</sup> @101.325 kPa, 293.15 K, dry)
Unit 1	6 December 2020, 21:00 – 21:59	49.4	94.5
Unit 2	14 May 2020, 17:00 – 17:59	40.8	78.1

Note:

a. To convert NO<sub>x</sub> concentration from ppmv to mg/Nm<sup>3</sup>, molecular weight of 46.01 g/mol is used for a conservative estimate.

### Minimum and Maximum Monitored Stack Emissions during Normal Operations for Unit 1 – Hourly NO<sub>x</sub>

Month	Min (ppmv)	Max (ppmv)	Min (mg/Nm <sup>3a</sup> @101.325 kPa, 293.15 K, dry)	Max (mg/Nm <sup>3a</sup> @101.325 kPa, 293.15 K, dry)
Jan	0	22.43	0	42.9
Feb	0	18.6	0	35.6
Mar	10.5	18.6	20.1	35.6
Apr	0	22.8	0	43.6
May	0	24.5	0	46.9
Jun	0	21.6	0	41.3
Jul	0	16.8	0	32.2
Aug	14	16.4	26.8	31.4
Sep	0	24.4	0	46.7
Oct	0	24.9	0	47.7
Nov	0	24.2	0	46.3
Dec	0	23.5	0	45

Minimum and Maximum Monitored Stack Emissions during Normal Operations for Unit 2 – Hourly NOx

Month	Min (ppmv)	Max (ppmv)	Min (mg/Nm <sup>3a</sup> @101.325 kPa, 293.15 K, dry)	Max (mg/Nm <sup>3a</sup> @101.325 kPa, 293.15 K, dry)
Jan	0	13.7	0	26.2
Feb	0	13	0	24.9
Mar	8.4	13	16.1	24.9
Apr	0	13.3	0	25.5
May	0	13.4	0	25.6
Jun	0	15.7	0	30
Jul	0	21.6	0	41.3
Aug	12	13.4	23	25.6
Sep	0	24.9	0	47.7
Oct	0	24.7	0	47.3
Nov	0	22.3	0	42.7
Dec	0	23.4	0	44.8

Myanmar National Environmental Quality (Emission) Guidelines Values for Thermal Power  
(applicable to non-degraded air sheds)

Combustion Technology/Fuel	Parameter/Guideline Values		
	Particulate matter (PM <sub>10</sub> )	Sulfur dioxide (SO <sub>2</sub> )	Nitrogen oxides (NO <sub>x</sub> )
<i>Combustion turbine</i>			
Fuels other than natural gas (unit > 50 MW)	50 mg/Nm <sup>3a</sup>	Use of ≤ 1% Sulfur fuel	310 mg/Nm <sup>3</sup>
Natural gas (all turbine types; unit > 50 MW)	-	-	100 mg/Nm <sup>3</sup>
Note:			
a. Milligrams per normal cubic meter at specified temperature and pressure.			





**Sembcorp Myingyan Power Co., Ltd.**

# **Environmental Monitoring Report**

## **(Air Quality Monitoring)**



**Ref: 16.03.2020 to 20.03.2020 (Air Quality Report)**

**5 April 2020**

**Prepared by**



**E Guard Environmental Services**

## Table of Contents

List of Figures .....	ii
List of Tables .....	iii
1. INTRODUCTION .....	1
2. METHODOLOGY .....	1
2.1 Ambient Air Quality.....	1
2.2 Ambient Noise.....	1
3. MONITORING LOCATIONS.....	3
4. ENVIRONMENTAL QUALITY MONITORING RESULTS.....	4
4.1 Ambient Air Quality Monitoring Results.....	4
4.2 Wind Speed and Direction .....	12
4.3 Ambient Noise.....	15
APPENDIX A.....	20
APPENDIX B .....	25

## **List of Figures**

Figure 3. 1 Location of Monitoring Points .....	3
Figure 4. 1 PM Monitoring Results at Sa Ka Village .....	4
Figure 4. 2 PM Monitoring Results at Hnan Ywa Village .....	5
Figure 4. 3 PM Monitoring Results at Gyoke Pin Village.....	5
Figure 4. 4 PM Monitoring Results at Nyaung Kan Village .....	5
Figure 4. 5 Fluctuation of Air Pollutants during dial cycle (Sa Ka Village) .....	6
Figure 4. 6 Fluctuation of Air Pollutants during dial cycle (Hnan Ywa Village).....	6
Figure 4. 7 Fluctuation of Air Pollutants during dial cycle (Gyoke Pin Village).....	6
Figure 4. 8 Fluctuation of Air Pollutants during dial cycle (Nyaung Kan Village) .....	7
Figure 4. 9 Wind Speed and Wind Direction (Blowing From) at Sa Ka Village (ASR4).....	12
Figure 4. 10 Wind Class Frequency Distribution at Sa Ka Village (ASR4).....	12
Figure 4. 11 Wind Speed and Wind Direction (Blowing From) at Hnan Ywa Village (ASR3) .....	13
Figure 4. 12 Wind Class Frequency Distribution at Hnan Ywa Village (ASR3).....	13
Figure 4. 13 Wind Speed and Wind Direction (Blowing From) at Gyoke Pin Village (ASR5) .....	14
Figure 4. 14 Wind Class Frequency Distribution at Gyoke Pin Village (ASR5) .....	14
Figure 4. 15 Wind Speed and Wind Direction (Blowing From) at Nyaung Kan Village (ASR14) .....	15
Figure 4. 16 Wind Class Frequency Distribution at Nyaung Kan Village (ASR14).....	15
Figure 4. 17 Noise Level at near Sembcorp Myingyan Power Plant.....	17
Figure 4. 18 Noise Level at Sa Ka Village .....	18



## **List of Tables**

Table 2. 1 Ambient Air Quality Parameters .....	1
Table 2. 2 Air Quality Guideline Values .....	1
Table 2. 3 Noise level monitoring.....	2
Table 2. 4 Equipment used to measure ambient air and noise measurement .....	2
Table 3. 1 Location of Monitoring Points.....	3
Table 4. 1 Observed Ambient Air Quality Results from Selected Points.....	4
Table 4. 2 Air Monitoring Results (Sa Ka Village).....	8
Table 4. 3 Air Monitoring Results (Hnan Ywa Village) .....	8
Table 4. 4 Air Monitoring Results (Gyoke Pin Village).....	9
Table 4. 5 Air Monitoring Results (Nyaung Kan Village) .....	10
Table 4. 6 Observed Values of Noise Level Measurement at near Sembcorp Myingyan Power Plant .....	15
Table 4. 7 Observed Values of Noise Level Measurement at Sa Ka Village .....	17
Table 4. 8 Observed Ambient Noise level Results from Myingyan Power Plant.....	18
Table 4. 9 Observed Ambient Noise level Results from Sa Ka Village .....	18
Table 4. 10 National Environmental Quality (Emission) Guidelines Values for Noise Level	19

## 1. INTRODUCTION

This report is environmental monitoring (only air and noise quality monitoring) for Sembcorp Myingyan Power Plant which is located beside of Myingyan – Nyaung-Oo Road, near the Sa Ka village in Mandalay Region.

## 2. METHODOLOGY

Baseline environmental parameters and sampling locations were defined according to the objectives for environmental monitoring purposes. Locations for sampling and analysis of ambient air quality of the project site were identified by Sembcorp Myingyan Power Co.,Ltd.

### 2.1 Ambient Air Quality

The emissions of dust particles and gases were measured for 24hrs continuously at the selected sites by using the Environmental Perimeter Air Station (EPAS), and EPAS provides direct readings in real time with data-logging capabilities. The monitoring results were compared with National Environmental Quality (Emission) Guideline (NEQG), World Health Organization (WHO) and American Conference of Governmental Industrial Hygienists (ACGIH) guidelines.

Table 2. 1 Ambient Air Quality Parameters

<i>Ambient Air Quality (4 locations)</i>	
Gas Emission	CO, CO <sub>2</sub> , SO <sub>2</sub> , NO <sub>2</sub>
Dust Emission	PM <sub>10</sub> , PM <sub>2.5</sub>

Table 2. 2 Air Quality Guideline Values

Parameters	Guidelines Value	Unit	Organization	Averaging Period
PM <sub>10</sub>	50	µg/m <sup>3</sup>	NEQ	24hrs
PM <sub>2.5</sub>	25	µg/m <sup>3</sup>	NEQ	24hrs
CO	9	ppm	NAAQS	8hrs
CO <sub>2</sub>	5000	ppm	ACGIH	8hrs
SO <sub>2</sub>	20	µg/m <sup>3</sup>	NEQ	24hrs
NO <sub>2</sub>	200	µg/m <sup>3</sup>	NEQ	24hrs

Source: Myanmar National Environmental Quality (Emission) Guidelines, December 2015 & Air quality guidelines global update. 2005. World Health Organization.

### 2.2 Ambient Noise

Noise level LAeq (dBA) will be measured at the selected locations that can reflect the exposure of the nearest local community and sensitive locations. Duration and frequency were measured for 24hrs continuously at the selected site using the Noise Meter.

The monitoring procedures, data analysis and interpretation were carried out in accordance with the instrument's manufacture and National Environmental Quality (Emission) Guidelines, World Health Organization (WHO) and International Finance Corporation (IFC guidelines in order to be in line with Environmental Conservation Department, Ministry of Natural Resources and Environment Conservation (MONREC). "National Environmental Quality

(Emission) Guidelines" for Myanmar was also presented the value of noise level as LAeq (dBA).

Table 2. 3 Noise level monitoring

<b>Noise monitoring (2 locations)</b>	
Noise Emission	LAeq (dBA) (1hrs, 24 hrs.)

Equipment used to measure ambient air and noise measurement are shown below (Table 2. 4).

Table 2. 4 Equipment used to measure ambient air and noise measurement

<p><b>Davis Vantage Pro2 Wireless Weather Station</b></p> <p>Provides detailed current weather conditions and expanded forecasts - all at a glance!</p> <p>The Vantage Pro2 uses a frequency-hopping spread spectrum radio from 902 MHz to 928 MHz to transmit and receive data up to 1,000' (300m) line of sight. In addition, the weather station features a bubble level, improved anemometer base, redesigned wind cups, and factory-calibrated wind direction. The integrated sensor suite combines temperature and humidity sensors, rain collector with an aluminum-plated tipping bucket, and anemometer into one package for easy setup. Measure inside and outside temperature and humidity, heat index, barometric pressure, dew point, rainfall, wind direction and speed, and wind chill.</p>	
<p><b>Haz-Scanner EPAS</b></p> <p>PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO, CO<sub>2</sub>, Temperature, and Relative Humidity</p>	
<p><b>Digital Sound Level Meter</b></p> <p>Noise and Vibration</p>	



### 3. MONITORING LOCATIONS

Locations of sampling sites were identified by Sembcorp Myingyan Power Co,ltd. Air quality was monitored at the four selected locations that are Sa Ka Village (ASR4), Hnan Ywa Village (ASR3), Gyoke Pin Village (ASR 5) and Nyaung Kan Village (ASR 14).

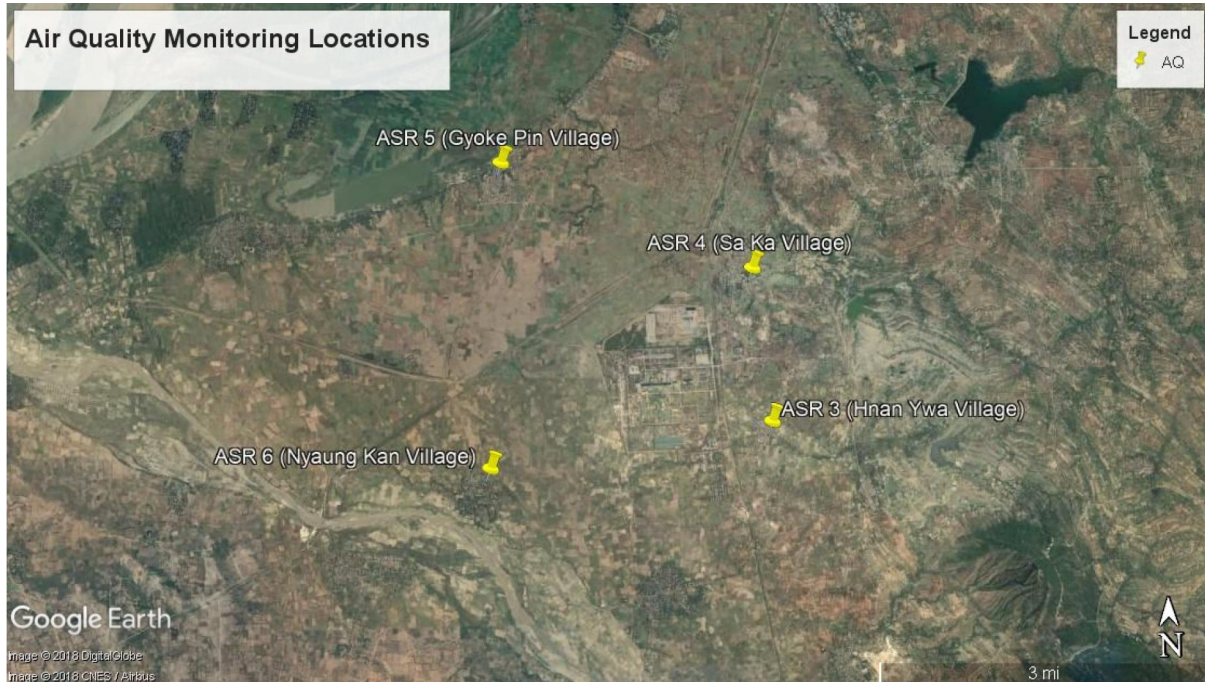


Figure 3. 1 Location of Monitoring Points

Table 3. 1 Location of Monitoring Points

Locations No.	Points	Coordinate	Locations
Ambient Air Quality and Noise Monitoring Locations			
1	ASR4	Lat- 21°23'48.591", Long- 95°23'0.849"	Sa Ka Village
2	ASR3	Lat- 21°22'17.565", Long- 95°23'18.116"	Hnan Ywa Village
3	ASR5	Lat- 21°24'21.888", Long- 95°21'7.381"	Gyoke Pin Village
4	ASR14	Lat- 21°21'58.048", Long- 95°20'51.346"	Nyaung Kan Village

## 4. ENVIRONMENTAL QUALITY MONITORING RESULTS

### 4.1 Ambient Air Quality Monitoring Results

24 hours air quality monitoring were done at each selected location from 16 March 2020 to 20 March 2020. The measured results are compared with national emission guidelines. Based on the results of air quality monitoring, most of the parameters are within the guidelines.

Table 4. 1 Observed Ambient Air Quality Results from Selected Points

Parameters	Observed Value				Guidelines Value	Unit	Averaging Period
	ASR4	ASR3	ASR5	ASR14			
PM <sub>10</sub>	22.66	23.61	19.66	28.43	50	µg/m <sup>3</sup>	24hrs
PM <sub>2.5</sub>	13.74	14.18	11.04	17.45	25	µg/m <sup>3</sup>	24hrs
CO	0.00	0.00	0.01	0.00	9	ppm	8hrs
CO <sub>2</sub>	442.24	445.29	501.07	500.75	5000	ppm	8hrs
SO <sub>2</sub>	0.00	0.00	0.00	0.00	20	µg/m <sup>3</sup>	24hrs
NO <sub>2</sub>	3.79	3.76	30.52	28.70	200	µg/m <sup>3</sup>	1hrs

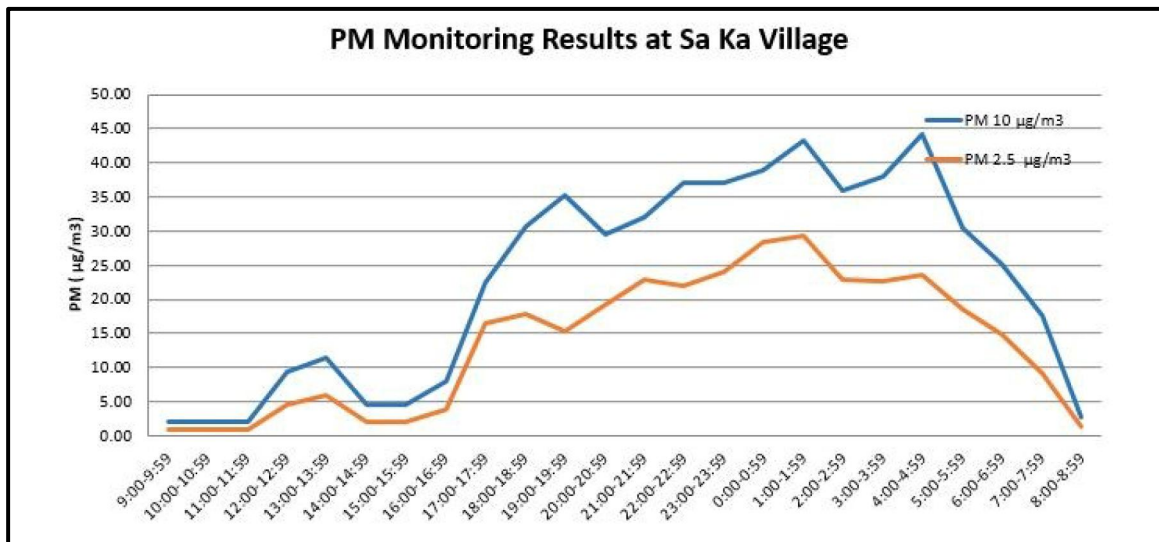


Figure 4. 1 PM Monitoring Results at Sa Ka Village

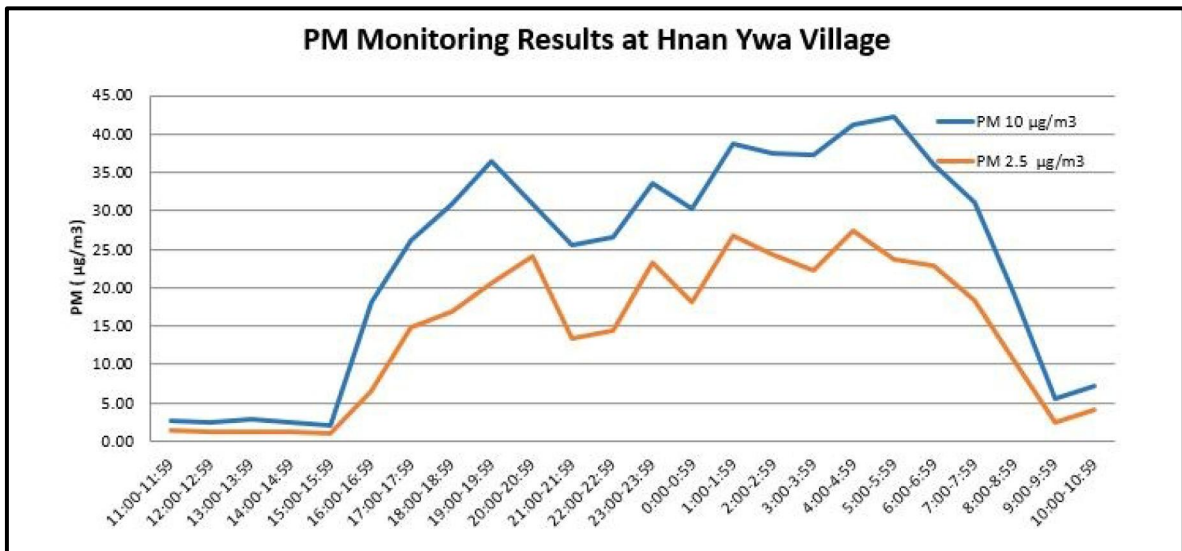


Figure 4. 2 PM Monitoring Results at Hnan Ywa Village

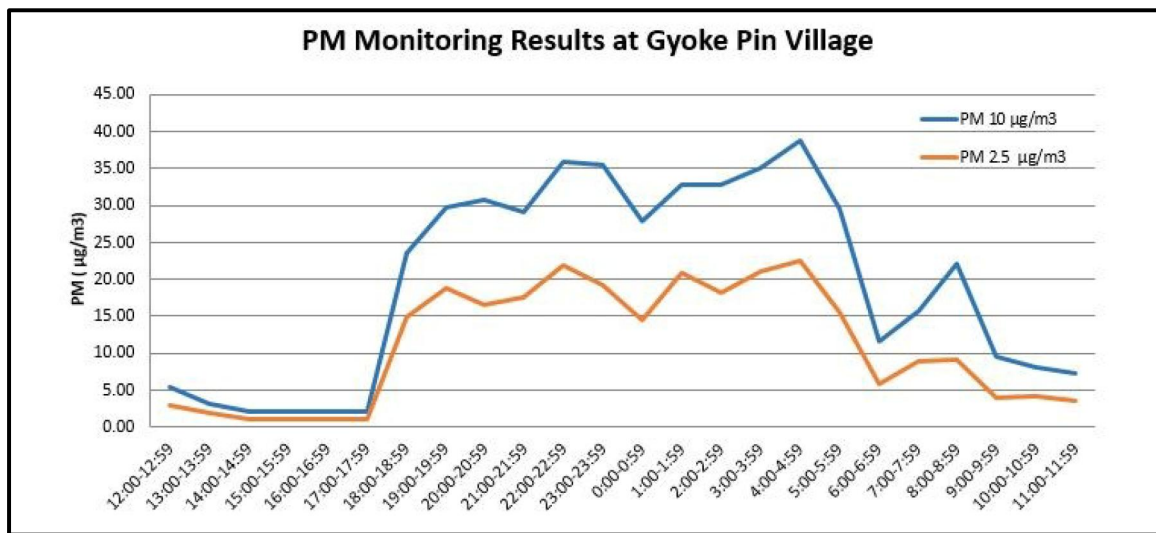


Figure 4. 3 PM Monitoring Results at Gyoke Pin Village

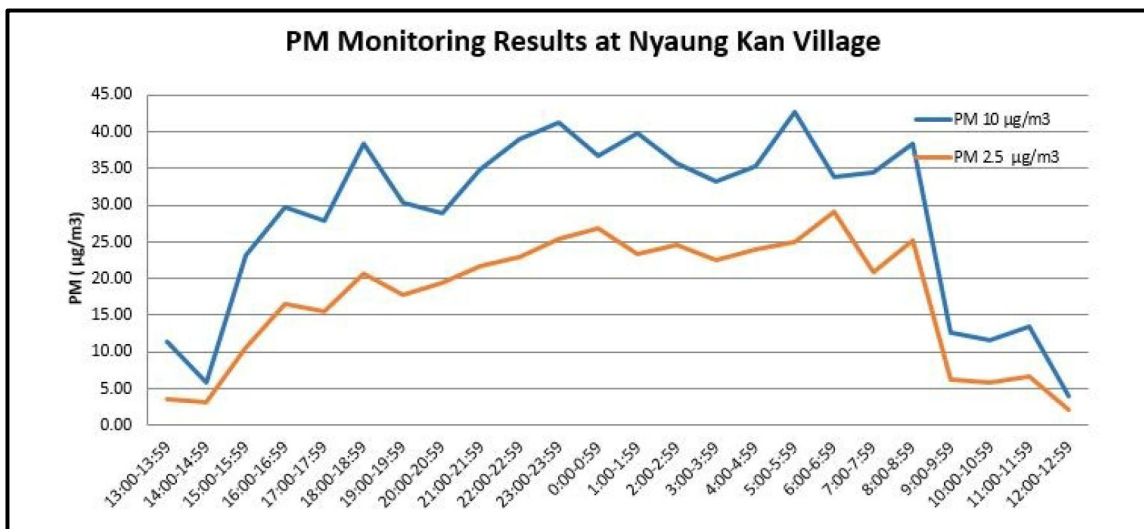


Figure 4. 4 PM Monitoring Results at Nyaung Kan Village



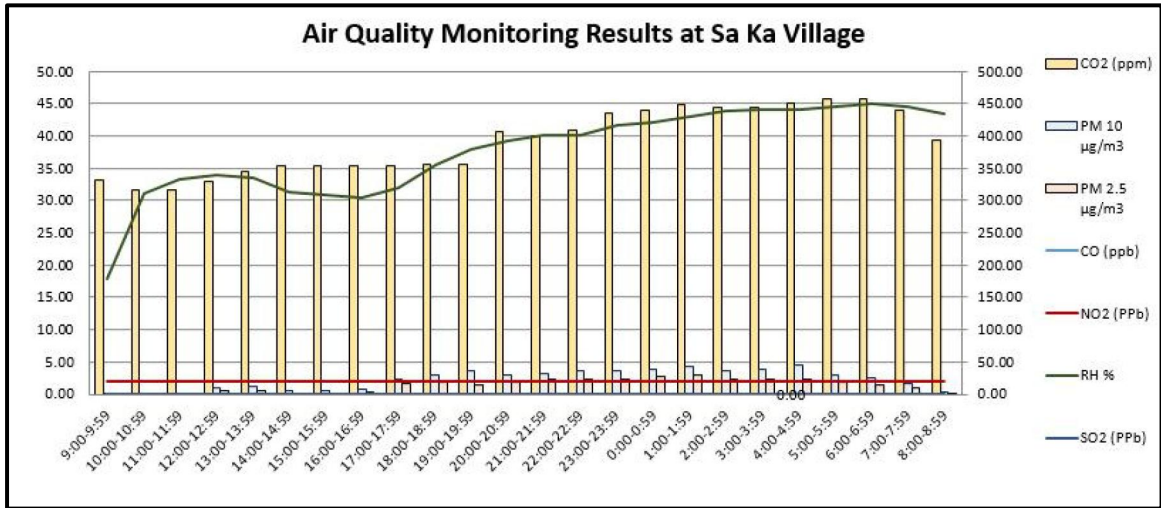


Figure 4. 5 Fluctuation of Air Pollutants during dial cycle (Sa Ka Village)

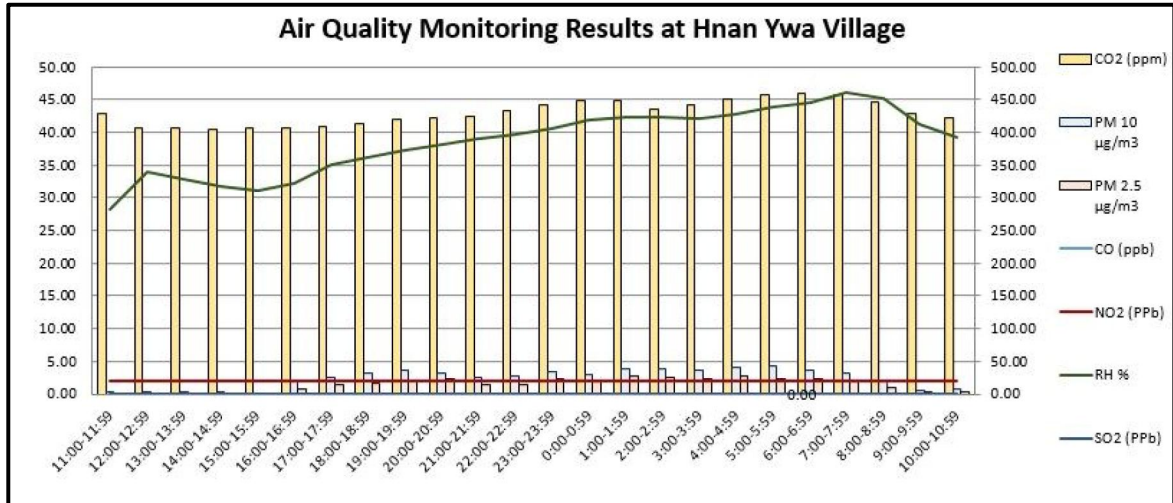


Figure 4. 6 Fluctuation of Air Pollutants during dial cycle (Hnan Ywa Village)

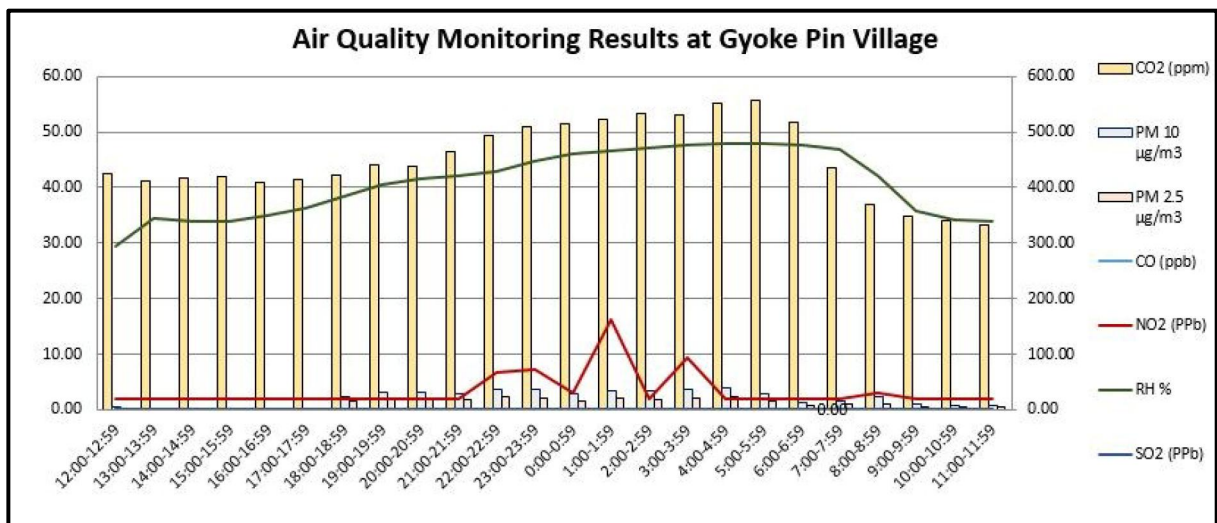


Figure 4. 7 Fluctuation of Air Pollutants during dial cycle (Gyoke Pin Village)

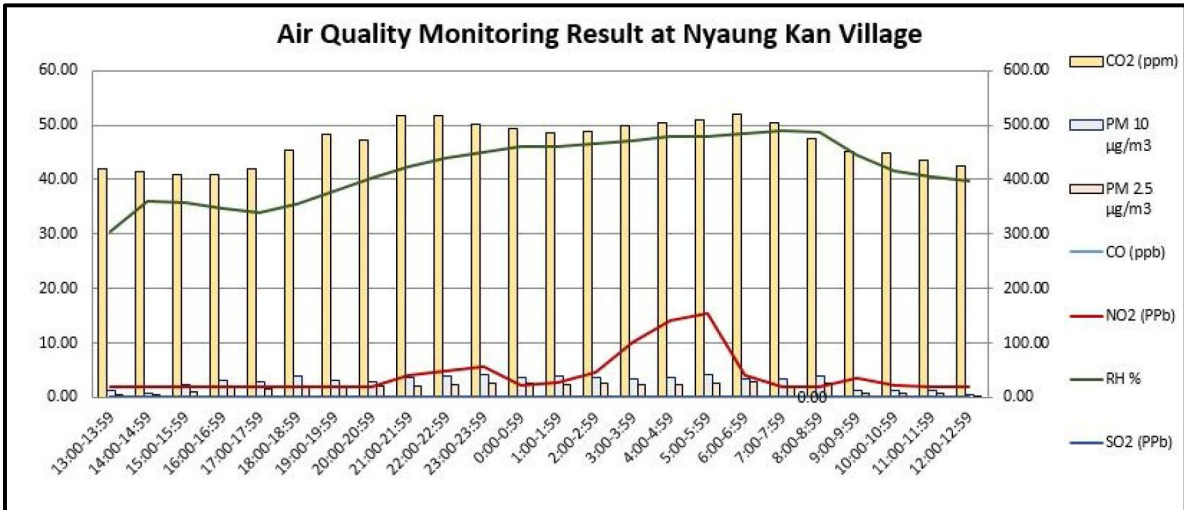


Figure 4. 8 Fluctuation of Air Pollutants during dial cycle (Nyaung Kan Village)

Detail results with one-hour interval of pollutants are shown in **Table 4. 2** to **Table 4. 5**. All results are under the Myanmar National Environmental Quality (emission) Guidelines. So, Sembcorp Myingyan Power Plant is acceptable for environment.

Table 4. 2 Air Monitoring Results (Sa Ka Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
16.3.2020	9:00-9:59	Average	332.37	0.00	2.00	2.00	1.00	17.92	0.00
16.3.2020	10:00-10:59	Average	315.08	0.00	2.00	2.00	1.00	31.02	0.00
16.3.2020	11:00-11:59	Average	315.72	0.00	2.02	2.00	1.00	33.18	0.00
16.3.2020	12:00-12:59	Average	328.43	0.00	2.00	9.38	4.45	34.00	0.00
16.3.2020	13:00-13:59	Average	344.03	0.00	2.00	11.42	5.97	33.52	0.00
16.3.2020	14:00-14:59	Average	353.18	0.00	2.00	4.52	2.08	31.30	0.00
16.3.2020	15:00-15:59	Average	354.40	0.00	2.00	4.58	2.03	30.73	0.00
16.3.2020	16:00-16:59	Average	353.53	0.00	2.00	7.98	3.95	30.43	0.00
16.3.2020	17:00-17:59	Average	353.95	0.00	2.00	22.52	16.47	31.87	0.00
16.3.2020	18:00-18:59	Average	355.50	0.00	2.00	30.55	17.88	35.55	0.00
16.3.2020	19:00-19:59	Average	355.45	0.00	2.00	35.20	15.33	37.85	0.00
16.3.2020	20:00-20:59	Average	406.22	0.00	2.00	29.62	19.25	39.32	0.00
16.3.2020	21:00-21:59	Average	399.82	0.00	2.00	32.07	22.77	40.00	0.00
16.3.2020	22:00-22:59	Average	409.25	0.00	2.00	37.08	22.03	40.17	0.00
16.3.2020	23:00-23:59	Average	435.03	0.00	2.00	37.08	23.95	41.70	0.00
17.3.2020	0:00-0:59	Average	439.48	0.00	2.00	38.87	28.47	42.18	0.00
17.3.2020	1:00-1:59	Average	449.08	0.00	2.00	43.15	29.23	43.00	0.00
17.3.2020	2:00-2:59	Average	444.43	0.00	2.00	35.92	22.88	43.77	0.00
17.3.2020	3:00-3:59	Average	444.62	0.00	2.00	38.07	22.55	44.00	0.00
17.3.2020	4:00-4:59	Average	451.30	0.00	2.00	44.17	23.60	44.00	0.00
17.3.2020	5:00-5:59	Average	457.70	0.00	2.00	30.42	18.47	44.55	0.00
17.3.2020	6:00-6:59	Average	456.22	0.00	2.00	25.07	14.75	45.00	0.00
17.3.2020	7:00-7:59	Average	440.32	0.00	2.00	17.52	9.15	44.43	0.00
17.3.2020	8:00-8:59	Average	394.23	0.00	2.00	2.78	1.40	43.38	0.00
<b>Average</b>			391.22	0.00	2.00	22.66	13.74	37.62	0.00
<b>1 hour Maximum</b>			315.08	0.00	2.00	2.00	1.00	17.92	0.00
<b>1 hour Minimum</b>			457.70	0.00	2.02	44.17	29.23	45.00	0.00



Table 4. 3 Air Monitoring Results (Hnan Ywa Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
17.3.2020	11:00-11:59	Average	429.42	0.00	2.00	2.72	1.35	28.32	0.00
17.3.2020	12:00-12:59	Average	406.62	0.00	2.00	2.48	1.15	34.00	0.00
17.3.2020	13:00-13:59	Average	405.53	0.00	2.00	2.93	1.12	32.85	0.00
17.3.2020	14:00-14:59	Average	405.18	0.00	2.00	2.35	1.17	31.67	0.00
17.3.2020	15:00-15:59	Average	406.60	0.00	2.00	2.00	1.00	31.00	0.00
17.3.2020	16:00-16:59	Average	406.42	0.00	2.00	18.08	6.62	32.17	0.00
17.3.2020	17:00-17:59	Average	407.65	0.00	2.00	26.18	14.80	34.98	0.00
17.3.2020	18:00-18:59	Average	412.78	0.00	2.00	30.98	16.80	36.07	0.00
17.3.2020	19:00-19:59	Average	418.82	0.00	2.00	36.38	20.57	37.33	0.00
17.3.2020	20:00-20:59	Average	421.27	0.00	2.00	30.87	24.13	38.05	0.00
17.3.2020	21:00-21:59	Average	423.92	0.00	2.00	25.60	13.38	39.00	0.00
17.3.2020	22:00-22:59	Average	433.17	0.00	2.00	26.50	14.50	39.62	0.00
17.3.2020	23:00-23:59	Average	441.80	0.00	2.00	33.53	23.27	40.43	0.00
18.3.2020	0:00-0:59	Average	448.53	0.00	2.00	30.27	18.08	41.77	0.00
18.3.2020	1:00-1:59	Average	449.22	0.00	2.00	38.63	26.70	42.35	0.00
18.3.2020	2:00-2:59	Average	436.08	0.00	2.00	37.38	24.20	42.30	0.00
18.3.2020	3:00-3:59	Average	441.60	0.00	2.00	37.18	22.30	42.12	0.00
18.3.2020	4:00-4:59	Average	450.10	0.00	2.00	41.23	27.50	42.85	0.00
18.3.2020	5:00-5:59	Average	456.10	0.00	2.00	42.33	23.58	43.95	0.00
18.3.2020	6:00-6:59	Average	460.30	0.00	2.00	35.95	22.78	44.57	0.00
18.3.2020	7:00-7:59	Average	458.17	0.00	2.00	31.13	18.28	45.97	0.00
18.3.2020	8:00-8:59	Average	445.60	0.00	2.00	19.15	10.52	45.12	0.00
18.3.2020	9:00-9:59	Average	428.08	0.00	2.00	5.55	2.38	41.28	0.00
18.3.2020	10:00-10:59	Average	422.40	0.00	2.00	7.17	4.13	39.20	0.00
<b>Average</b>			429.81	0.00	2.00	23.61	14.18	38.62	0.00
<b>1 hour Maximum</b>			405.18	0.00	2.00	2.00	1.00	28.32	0.00
<b>1 hour Minimum</b>			460.30	0.00	2.00	42.33	27.50	45.97	0.00

Table 4. 4 Air Monitoring Results (Gyoke Pin Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
18.3.2020	12:00-12:59	Average	424.82	0.07	2.00	5.43	2.85	29.33	0.00
18.3.2020	13:00-13:59	Average	412.55	0.00	2.00	3.12	1.87	34.30	0.00
18.3.2020	14:00-14:59	Average	416.02	0.00	2.00	2.00	1.00	34.00	0.00
18.3.2020	15:00-15:59	Average	419.75	0.00	2.00	2.00	1.00	34.00	0.00
18.3.2020	16:00-16:59	Average	408.83	0.00	2.00	2.00	1.00	34.85	0.00
18.3.2020	17:00-17:59	Average	413.12	0.00	2.00	2.00	1.00	36.22	0.00
18.3.2020	18:00-18:59	Average	423.40	0.00	2.00	23.60	14.78	38.42	0.00
18.3.2020	19:00-19:59	Average	440.20	0.00	2.00	29.63	18.75	40.40	0.00
18.3.2020	20:00-20:59	Average	437.87	0.00	2.00	30.77	16.47	41.55	0.00
18.3.2020	21:00-21:59	Average	464.55	0.00	2.00	29.10	17.55	42.00	0.00
18.3.2020	22:00-22:59	Average	493.48	0.00	6.62	35.92	21.90	42.93	0.00
18.3.2020	23:00-23:59	Average	510.38	0.00	7.15	35.38	19.08	44.65	0.00
19.3.2020	0:00-0:59	Average	515.97	0.00	3.07	27.85	14.45	45.97	0.00
19.3.2020	1:00-1:59	Average	522.60	0.00	16.23	32.87	20.75	46.70	0.00
19.3.2020	2:00-2:59	Average	533.85	0.00	2.00	32.83	18.23	47.00	0.00
19.3.2020	3:00-3:59	Average	529.88	0.00	9.20	35.02	21.05	47.55	0.00
19.3.2020	4:00-4:59	Average	550.62	0.00	2.00	38.77	22.45	48.00	0.00
19.3.2020	5:00-5:59	Average	555.77	0.00	2.00	29.40	15.45	48.00	0.00
19.3.2020	6:00-6:59	Average	517.58	0.00	2.00	11.63	5.77	47.67	0.00
19.3.2020	7:00-7:59	Average	435.22	0.00	2.00	15.72	8.83	46.90	0.00
19.3.2020	8:00-8:59	Average	368.62	0.00	2.88	21.97	9.07	42.03	0.00
19.3.2020	9:00-9:59	Average	349.08	0.00	2.00	9.45	4.02	35.85	0.00
19.3.2020	10:00-10:59	Average	339.92	0.00	2.00	8.13	4.05	34.17	0.00
19.3.2020	11:00-11:59	Average	332.98	0.00	2.00	7.32	3.55	34.00	0.00
<b>Average</b>			450.71	0.00	3.38	19.66	11.04	40.69	0.00
<b>1 hour Maximum</b>			332.98	0.00	2.00	2.00	1.00	29.33	0.00
<b>1 hour Minimum</b>			555.77	0.07	16.23	38.77	22.45	48.00	0.00

Table 4. 5 Air Monitoring Results (Nyaung Kan Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
19.3.2020	13:00-13:59	Average	419.65	0.00	2.00	11.27	3.58	30.48	0.00
19.3.2020	14:00-14:59	Average	414.63	0.00	2.00	5.77	3.18	36.08	0.00
19.3.2020	15:00-15:59	Average	410.00	0.00	2.00	23.10	10.43	35.65	0.00
19.3.2020	16:00-16:59	Average	407.95	0.00	2.00	29.67	16.43	34.62	0.00
19.3.2020	17:00-17:59	Average	418.70	0.00	2.00	27.83	15.57	34.00	0.00
19.3.2020	18:00-18:59	Average	454.50	0.00	2.00	38.30	20.55	35.58	0.00
19.3.2020	19:00-19:59	Average	483.13	0.00	2.00	30.35	17.80	37.93	0.00
19.3.2020	20:00-20:59	Average	472.38	0.00	2.00	28.80	19.42	40.20	0.00
19.3.2020	21:00-21:59	Average	518.17	0.00	4.05	34.93	21.57	42.27	0.00
19.3.2020	22:00-22:59	Average	516.33	0.00	4.85	39.05	22.82	43.95	0.00
19.3.2020	23:00-23:59	Average	501.12	0.00	5.52	41.23	25.42	45.02	0.00
20.3.2020	0:00-0:59	Average	492.75	0.00	2.08	36.78	26.80	45.98	0.00
20.3.2020	1:00-1:59	Average	486.52	0.00	2.70	39.77	23.22	46.00	0.00
20.3.2020	2:00-2:59	Average	488.05	0.00	4.42	35.75	24.47	46.52	0.00
20.3.2020	3:00-3:59	Average	498.97	0.00	9.98	33.28	22.52	47.00	0.00
20.3.2020	4:00-4:59	Average	504.07	0.00	13.93	35.27	23.95	47.85	0.00
20.3.2020	5:00-5:59	Average	509.10	0.00	15.27	42.75	25.05	48.00	0.00
20.3.2020	6:00-6:59	Average	520.27	0.00	4.03	33.90	29.15	48.47	0.00
20.3.2020	7:00-7:59	Average	503.98	0.00	2.00	34.52	20.87	49.00	0.00
20.3.2020	8:00-8:59	Average	475.00	0.00	2.00	38.40	25.23	48.72	0.00
20.3.2020	9:00-9:59	Average	450.77	0.00	3.43	12.53	6.28	44.42	0.00
20.3.2020	10:00-10:59	Average	449.37	0.00	2.25	11.60	5.80	41.67	0.00
20.3.2020	11:00-11:59	Average	436.02	0.00	2.00	13.45	6.53	40.53	0.00
20.3.2020	12:00-12:59	Average	424.65	0.00	2.00	4.00	2.17	39.78	0.00
<b>Average</b>			469.00	0.00	4.02	28.43	17.45	42.07	0.00
<b>1 hour Minimum</b>			407.95	0.00	2.00	4.00	2.17	30.48	0.00
<b>1 hour Maximum</b>			520.27	0.00	15.27	42.75	29.15	49.00	0.00

## 4.2 Wind Speed and Direction

The following figure describes the wind speed and wind direction of the proposed project site on, 16 to 20 March 2020 respectively. According to the data, the wind direction is following **Figure 4. 9** to **Figure 4. 16**.

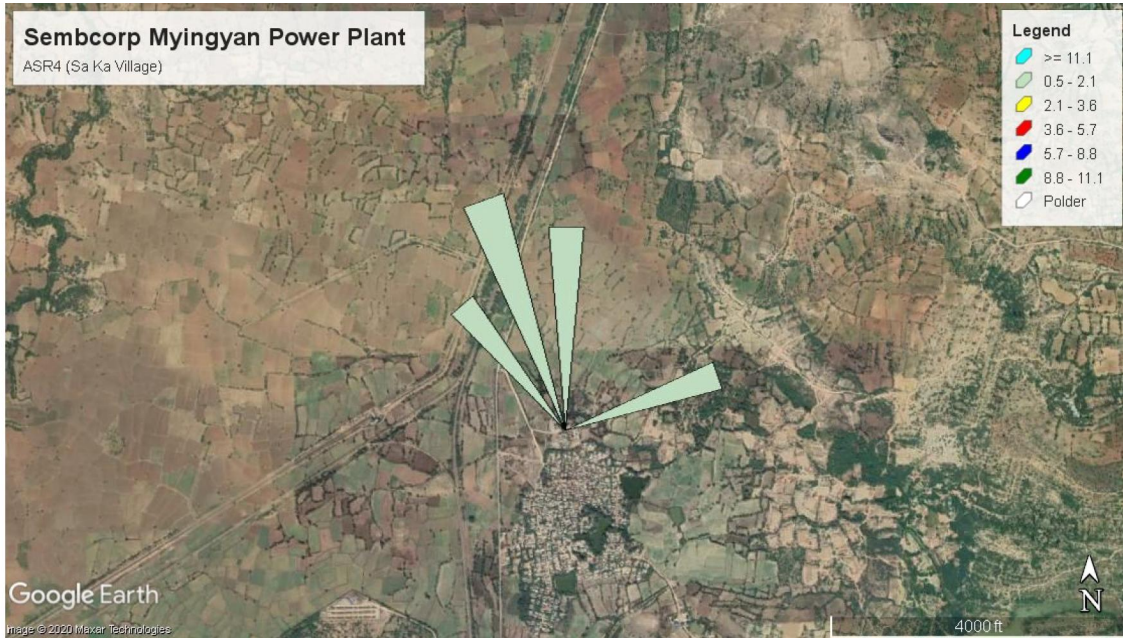


Figure 4. 9 Wind Speed and Wind Direction (Blowing From) at Sa Ka Village (ASR4)

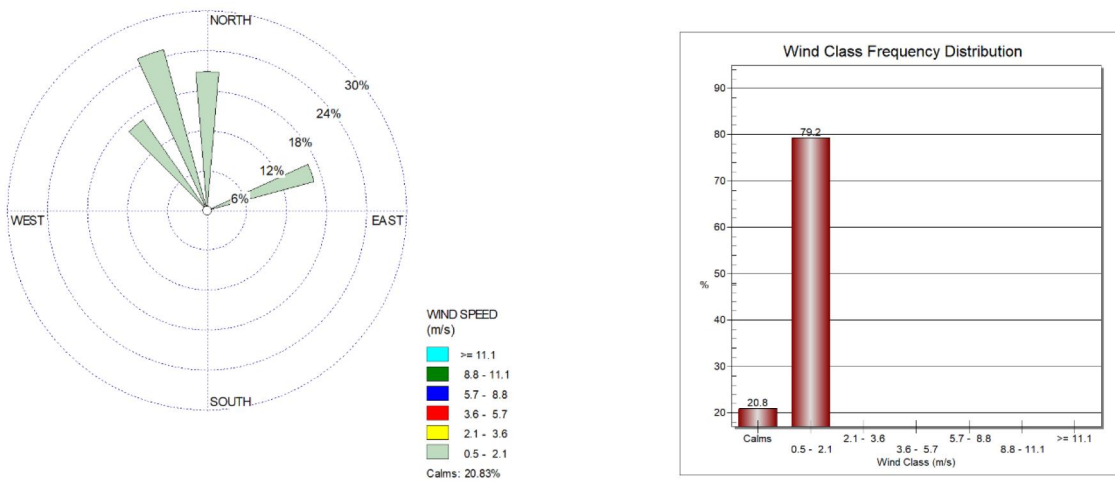


Figure 4. 10 Wind Class Frequency Distribution at Sa Ka Village (ASR4)



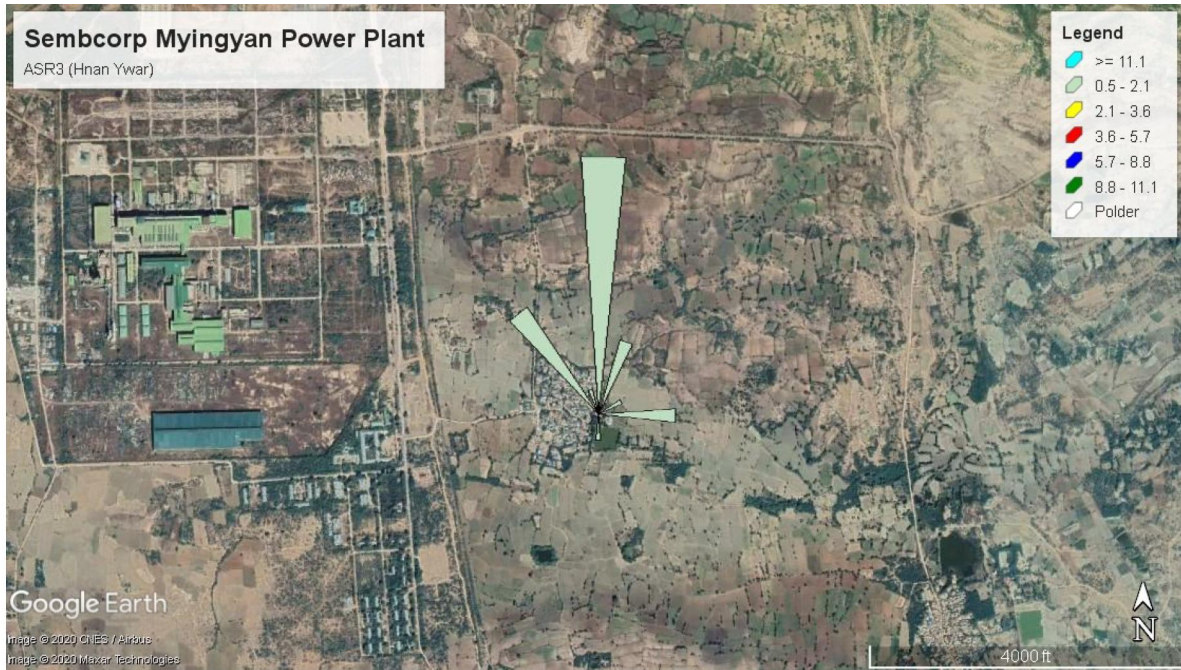


Figure 4. 11 Wind Speed and Wind Direction (Blowing From) at Hnan Ywa Village (ASR3)

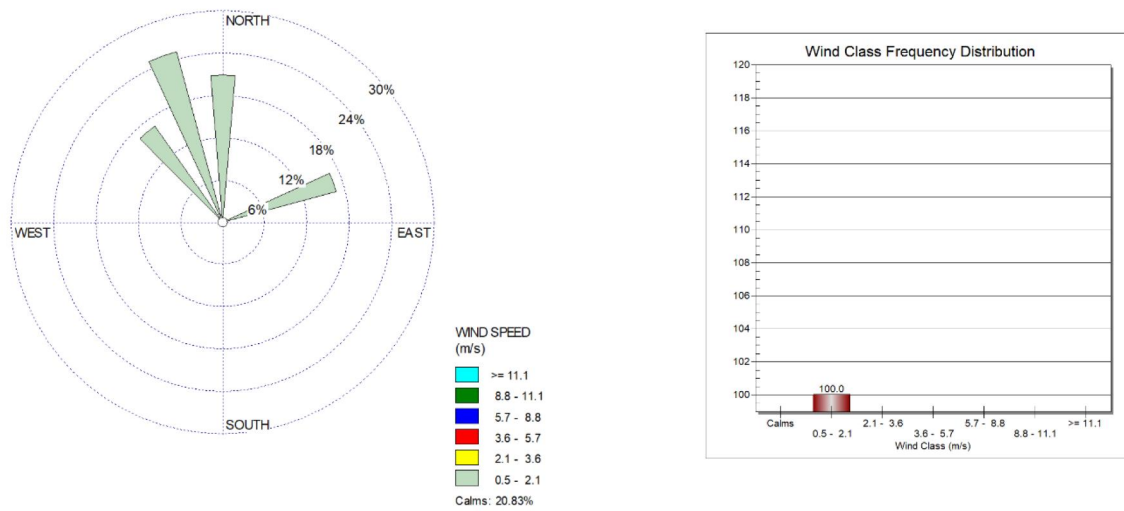


Figure 4. 12 Wind Class Frequency Distribution at Hnan Ywa Village (ASR3)

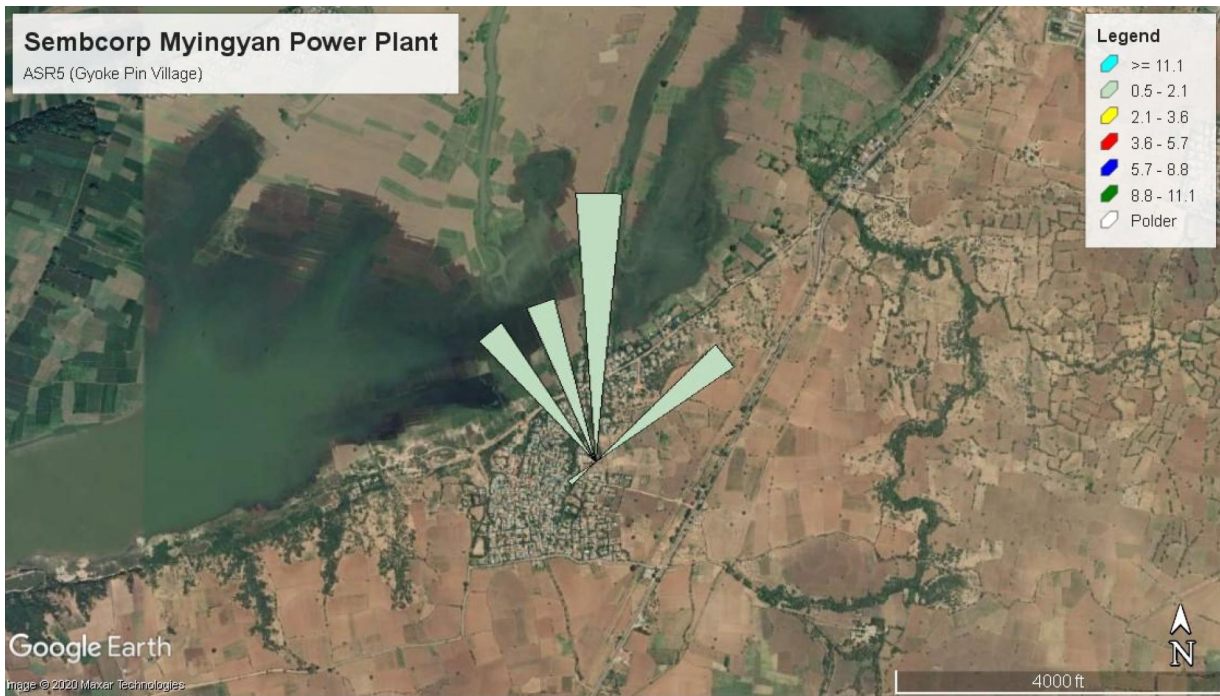


Figure 4. 13 Wind Speed and Wind Direction (Blowing From) at Gyoke Pin Village (ASR5)

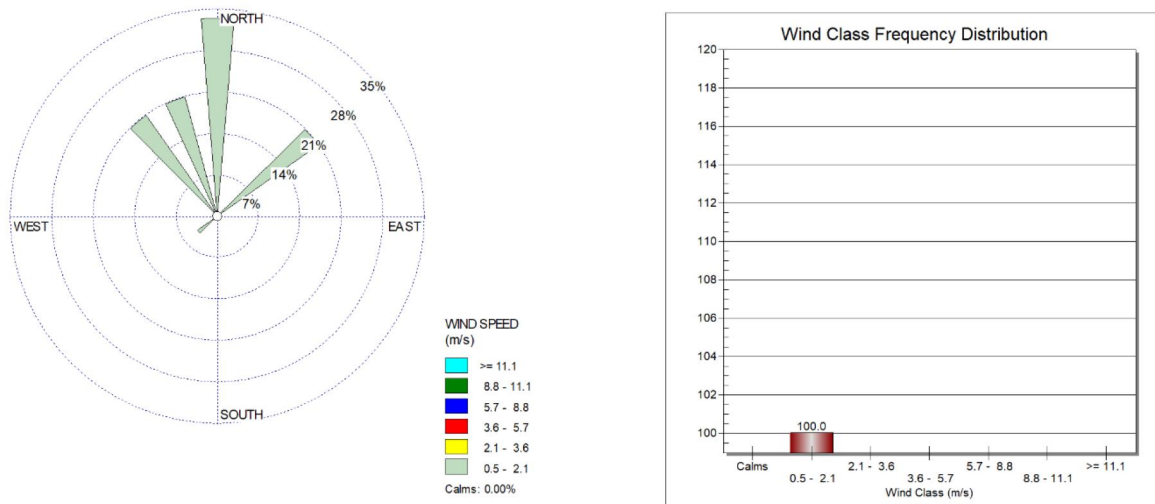


Figure 4. 14 Wind Class Frequency Distribution at Gyoke Pin Village (ASR5)



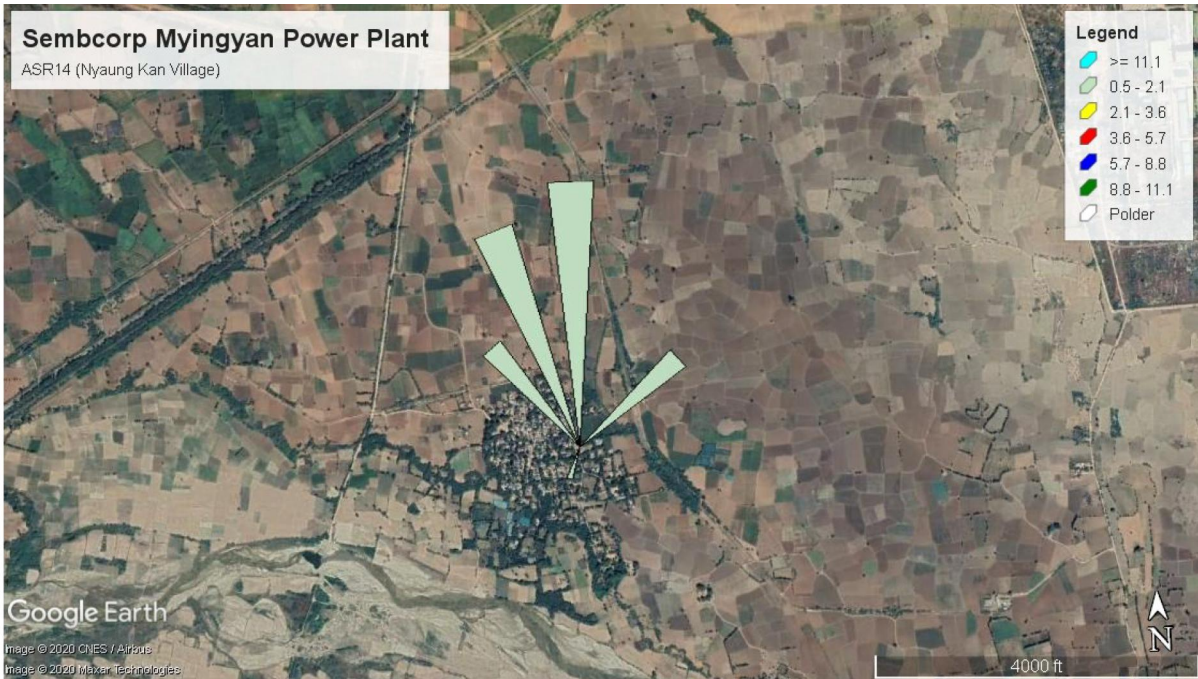


Figure 4. 15 Wind Speed and Wind Direction (Blowing From) at Nyaung Kan Village (ASR14)

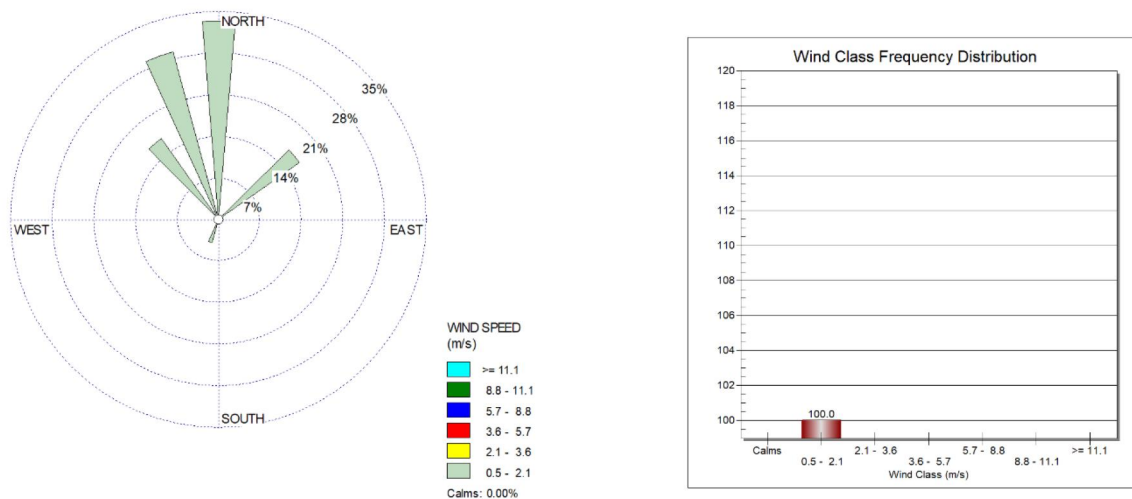


Figure 4. 16 Wind Class Frequency Distribution at Nyaung Kan Village (ASR14)

### 4.3 Ambient Noise

Ambient noise level for the proposed project was measured with Digital Sound Level Meter at the project site. The noise level measurement is conducted at Sembcorp Myingyan Power points: these points are nearly sembcorp myingyan power plant and air monitoring point at Sa Ka village on 16 to 18 March 2020. Measuring period is 24 hours continuously. The observed values are described in **Table 4. 6 to Table 4. 9** and the following figures are noise level measurement at the proposed project.

Table 4. 6 Observed Values of Noise Level Measurement at near Sembcorp Myingyan Power Plant

No.	Date	Time	Observed Mean	Weight	Day/Night	Average
-----	------	------	---------------	--------	-----------	---------

			<b>Value (Source)</b>			
1	18.03.2020	7:00:13-7:59:13	60.30	A	Day	64.02
2	18.03.2020	8:00:13-8:59:13	62.04	A	Day	
3	17.03.2020	9:00:13-9:59:13	59.62	A	Day	
4	17.03.2020	10:00:13-10:59:13	60.05	A	Day	
5	17.03.2020	11:00:13-11:59:13	61.24	A	Day	
6	17.03.2020	12:00:13-12:59:13	64.42	A	Day	
7	17.03.2020	13:00:13-13:59:13	62.87	A	Day	
8	17.03.2020	14:00:13-14:59:13	64.09	A	Day	
9	17.03.2020	15:00:13-15:59:13	65.11	A	Day	
10	17.03.2020	16:00:13-16:59:13	66.71	A	Day	
11	17.03.2020	17:00:13-17:59:13	66.80	A	Day	
12	17.03.2020	18:00:13-18:59:13	66.21	A	Day	
13	17.03.2020	19:00:13-19:59:13	66.94	A	Day	
14	17.03.2020	20:00:13-20:59:13	66.93	A	Day	
15	17.03.2020	21:00:13-21:59:13	67.00	A	Day	
16	17.03.2020	22:00:13-22:59:13	67.68	A	Night	64.01
17	17.03.2020	23:00:13-23:59:13	68.06	A	Night	
18	18.03.2020	0:00:13-0:59:13	68.15	A	Night	
19	18.03.2020	1:00:13-1:59:13	65.98	A	Night	
20	18.03.2020	2:00:13-2:59:13	65.68	A	Night	
21	18.03.2020	3:00:13-3:59:13	61.42	A	Night	
22	18.03.2020	4:00:13-4:59:13	60.22	A	Night	
23	18.03.2020	5:00:13-5:59:13	59.25	A	Night	
24	18.03.2020	6:00:13-6:59:13	59.68	A	Night	
<b>Average</b>			<b>64.02</b>			



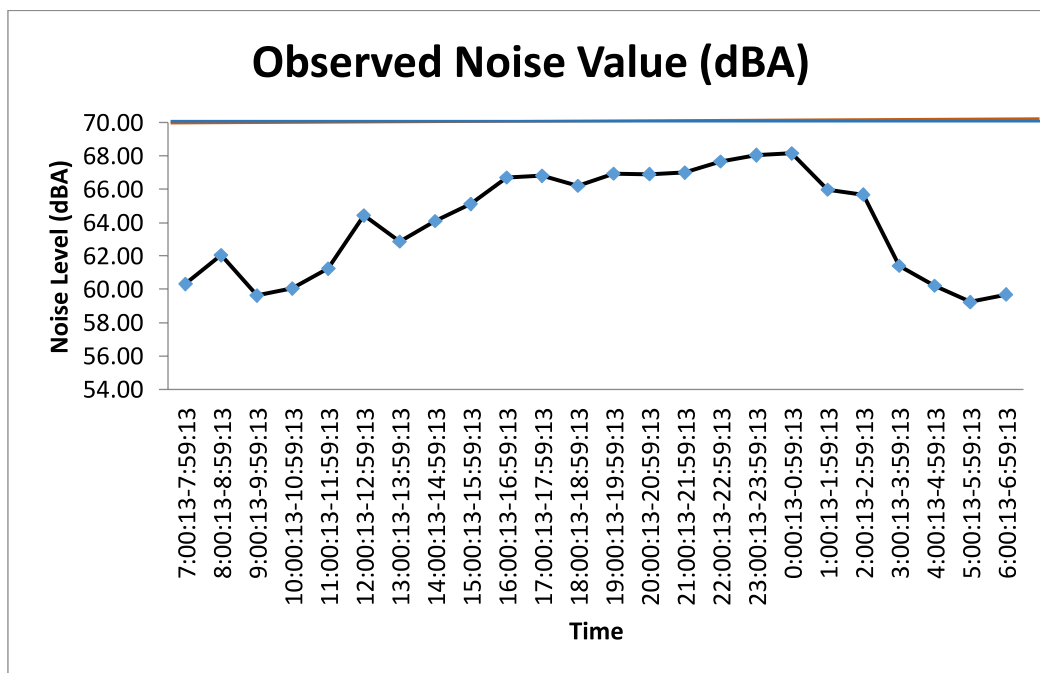


Figure 4. 17 Noise Level at near Sembcorp Myingyan Power Plant

Table 4. 7 Observed Values of Noise Level Measurement at Sa Ka Village

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
1	17.03.2020	7:00:13-7:59:13	57.71	A	Day	53.24
2	17.03.2020	8:00:13-8:59:13	57.59	A	Day	
3	16.03.2020	9:00:13-9:59:13	56.98	A	Day	
4	16.03.2020	10:00:13-10:59:13	53.73	A	Day	
5	16.03.2020	11:00:13-11:59:13	49.91	A	Day	
6	16.03.2020	12:00:13-12:59:13	49.27	A	Day	
7	16.03.2020	13:00:13-13:59:13	48.95	A	Day	
8	16.03.2020	14:00:13-14:59:13	48.20	A	Day	
9	16.03.2020	15:00:13-15:59:13	53.21	A	Day	
10	16.03.2020	16:00:13-16:59:13	52.09	A	Day	
11	16.03.2020	17:00:13-17:59:13	51.78	A	Day	
12	16.03.2020	18:00:13-18:59:13	57.23	A	Day	
13	16.03.2020	19:00:13-19:59:13	53.10	A	Day	
14	16.03.2020	20:00:13-20:59:13	53.35	A	Day	
15	16.03.2020	21:00:13-21:59:13	55.44	A	Day	
16	16.03.2020	22:00:13-22:59:13	56.89	A	Night	53.10
17	16.03.2020	23:00:13-23:59:13	53.51	A	Night	
18	17.03.2020	0:00:13-0:59:13	51.39	A	Night	
19	17.03.2020	1:00:13-1:59:13	51.59	A	Night	
20	17.03.2020	2:00:13-2:59:13	47.38	A	Night	

21	17.03.2020	3:00:13-3:59:13	48.37	A	Night
22	17.03.2020	4:00:13-4:59:13	50.27	A	Night
23	17.03.2020	5:00:13-5:59:13	59.80	A	Night
24	17.03.2020	6:00:13-6:59:13	58.68	A	Night
<b>Average</b>			<b>53.18</b>		

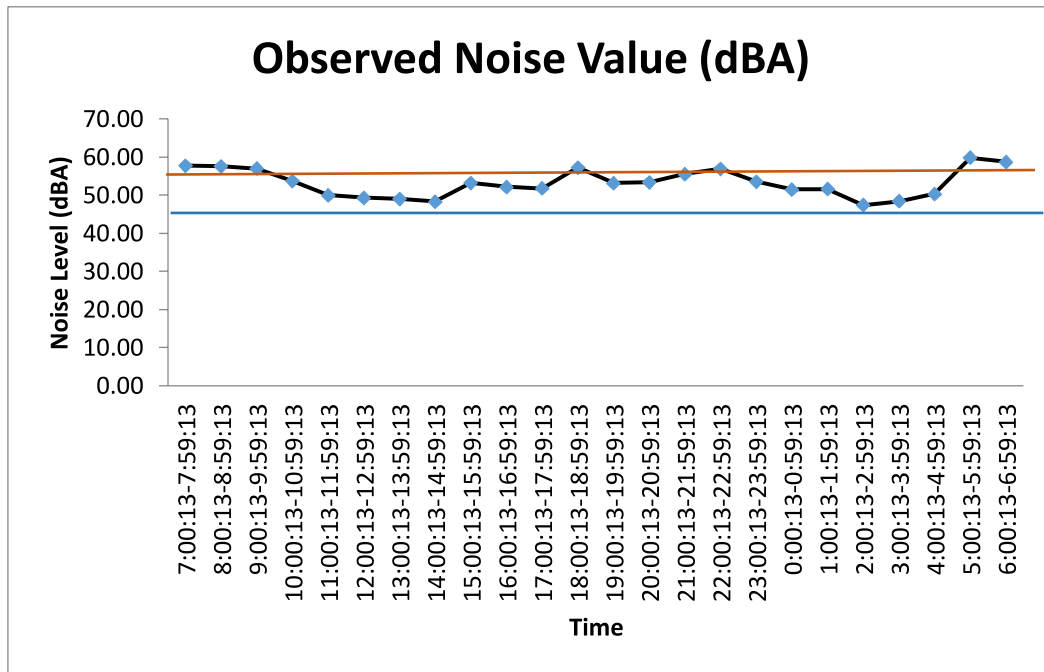


Figure 4. 18 Noise Level at Sa Ka Village

Table 4. 8 Observed Ambient Noise level Results from Myingyan Power Plant

Point	Sembcorp Myingyan Power Plant	
	Day Time	Night Time
Sembcorp Myingyan Power Plant	64.02	64.01
Guideline Values	70	70

Table 4. 9 Observed Ambient Noise level Results from Sa Ka Village

Point	Sembcorp Myingyan Power Plant	
	Day Time	Night Time
Sa Ka Village	53.24	53.10
Guideline Values	55	45

The observed values are compared with the National Environmental Quality (Emission) Guidelines as shown in **Table 4. 10** which indicates the separate level for residential and industrial points.

Table 4. 10 National Environmental Quality (Emission) Guidelines Values for Noise Level

Receptor	One Hour LAeq (dBA)	
	Daytime 07:00 - 22:00 (10:00 - 22:00 for Public Holidays)	Nighttime 22:00 - 07:00 (22:00 - 10:00 for Public Holidays)
Residential, institutional, educational	55	45
Industrial, commercial	70	70

The observed values of the proposed project for daytime at Sembcorp myingyan power plant and Sa Ka village are 64.02 dB (A) and 53.24 dB (A). The observed values of the proposed project for night time at Sembcorp myingyan power plant and Sa Ka village are 64.01 dB (A) and 53.10 dB (A). The proposed project is located adjacent to the residential and commercial area. The observed values of daytime and nighttime at sembcorp myingyan power plant are under the National Environmental Quality (Emission) Guidelines. The observed values of daytime at Sa Ka Village is under the National Environmental Quality (Emission) Guidelines. The observed values of nighttime at Sa Ka village is upper the National Environmental Quality (Emission) Guidelines because this monitoring location is Sa Ka North Monastery. This monastery have near road. This road is passing through motor cycle and cars. So, the observed values of nighttime at Sa Ka village is upper the National Environmental Quality (Emission) Guidelines. But, Sa Ka village is acceptable Applicable Operational Noise Criteria of 54 dB (A) from ESIA Report.

## APPENDIX A

### Description of Haz-scanner (EPAS)

# HAZ-SCANNER

## Wireless Environmental Perimeter Air Station **EPAS**

- Direct reading
- Build your own station with up to 14 simultaneous air measurements including U.S. EPA criteria air pollutants
  - Standard configuration measures 5 parameters including PM10 or TSP particulates, NO<sub>x</sub>, CO, temperature, and relative humidity
  - Add one or all optional interchangeable sensors with upgradable software and/or EPAS-specific meters (up to 9 sensors/meters total) as listed on the reverse side. Choose from additional sensors for toxic gas (including methane), hydrocarbons, VOCs, and biological/chemical agents and EPAS-specific meters for solar radiance/UV or IR, barometric pressure, sound/noise, atomic radiation, ELF radiation, rain, and wind speed/direction
  - Available analog input port for alternative meter
  - Interchangeable size-selective impactors are available for PM1.0, PM2.5, or PM4.0 (close approximation of respirable)
    - Can monitor up to 2 PM sizes simultaneously
- Real-time readings, datalogging capabilities
  - Optional wireless data transmission up to 5 miles
  - Optional Ethernet internet connection for 24/7 data reporting
- Easily portable and deployable
- Battery operated
- Network up to 8 EPAS to one central PC or Mac
- Easy-to-use graph and reporting software compatible with PC and Mac

The portable HAZ-SCANNER™ EPAS wireless environmental perimeter air station is easily deployed as an ambient air quality monitor to scan, measure, and document critical EPA criteria pollutants including nitrogen dioxide, carbon monoxide, sulfur dioxide, ozone, carbon dioxide, particulates, VOCs, and more. The EPAS is the only instrument on the market with sensors offering simultaneous monitoring of two different sizes of PM. The EPAS provides direct readings in real time with datalogging capabilities. The graph and reporting software is compatible with PC and Mac. Contact an SKC product specialist to build your EPAS including up to 14 simultaneous critical air measurements in one battery-operated instrument.

#### HAZ-SCANNER Wireless EPAS Applications

- Ambient air quality monitoring
- Hazardous incident response
- Waste site remediation monitoring
- Military/homeland security
- Perimeter monitoring
- Near roadway monitoring

Go to [www.skcinstr.com/prod/Haz-Scanner.asp](http://www.skcinstr.com/prod/Haz-Scanner.asp) for more information.



Measure up to 14 critical air parameters simultaneously with HAZ-SCANNER EPAS.



SKC Inc. 724-941-9701 SKC West 714-992-2790 SKC Gulf Coast 281-859-8050 SKC South 434-852-7148  
[www.skcinstr.com](http://www.skcinstr.com)



## HAZ-SCANNER EPAS

## Wireless Environmental Perimeter Air Station



HAZ-SCANNER EPAS shown with optional solar panels

### Performance Profile

The HAZ-SCANNER EPAS is optimized for ambient air applications; custom calibration for specific ranges or applications is available upon request.

Display	LCD real time
Operation	4-way splash-proof membrane switch
Power	12-V Absorption Glass Mat (AGM) rechargeable battery, 100-240 V AC, or optional solar panel
Display Measurements	Max, Min, TWA, STEL
Recording Time	1 sec to 21 weeks
Sampling Rate	1 sec, 1 min, 10 min, 1 hr, adjustable
Data Storage	4M 512 data points
Sampling Pump	1.0 to 3.0 L/min
Digital Output	RS-232 (PC), RS-422 (Mac)
Software	PC or Mac
Enclosure (weather-proof case)	8 x 14 x 18 in (15.2 x 35.6 x 25.4 cm)
Weight	12 lbs (5.4 kg)
Operating Temperature	23 to 122 F (-5 to 50 C)
Storage Temperature	-20 to 140 F (-20 to 60 C)
Humidity	95% non-condensing (use mist heater)
Wireless Radio Modes	900 MHz (U.S.), 900 MHz (Euro) up to 5 miles - line of sight (optional)
Auxiliary Analog Input	0 to 2.5 VDC (1 channel for alternative meter)

### Configure an EPAS for Up to 14 Simultaneous Measurements

The standard HAZ-SCANNER EPAS includes the monitor (calibrated for ambient air applications) with sensors/meters for PM10 or TSP, VOCs, temperature, humidity, and wind speed/direction in a NEMA 4 enclosure, acid gas scrubber, internal battery, universal 110-240 V AC battery charger, software, cables, and CD with instructions.

Configure the monitor with additional sensors/meters — up to 4 optional interchangeable sensors with upgradable software and/ or up to 4 EPAS-specific meters (listed below). See page 3 for specifications. *Specify sensors and meters when ordering.*

- PM1.0, 2.5, or 4.0
- Ammonia (EC)
- Carbon Dioxide (NDIR)
- Carbon Monoxide (EC)
- Chlorine (EC)
- Ethylene Oxide (EL)
- Hydrocarbon (methane-specific, EC)
- Hydrocarbons (EC)
- Hydrogen Chloride (EL)
- Hydrogen Cyanide (EC)
- Hydrogen Sulfide (EC)
- Nitric Oxide (EC)
- Nitrogen Dioxide
- Oxygen
- Ozone
- Phosphine (EL)
- Sulfur Dioxide
- Rain
- Solar Radiance
- Sound and Noise
- Acoustic Radiation
- ELF Radiation
- Barometric Pressure
- Dew Point Temperature
- Wet Bulb Temperature

Contact SKC to build an EPAS with available sensors/meters/calibration for your application!

### SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinstruments.com/warranty.asp>.



SKC Inc. 724-941-9701 SKC-West 714-992-2780 SKC Gulf Coast 281-859-8050 SKC South 434-852-7149  
[www.skcinstruments.com](http://www.skcinstruments.com)

## HAZ-SCANNER EPAS

## Wireless Environmental Perimeter Air Station

## HAZ-SCANNER EPAS Sensor/Meter Specifications

Parameter	Sensor*	Measurement/ Concentration Range	Accuracy	Minimum Resolution	Display Resolution	Additional Information
Particulates	90° infrared light scattering	0 to 5000 µg/m <sup>3</sup>	Greater of $\pm 10\%$ of reading or 2% full scale	10 µg/m <sup>3</sup>	1 µg/m <sup>3</sup>	Measures particle sizes: 10 µm or TSP (standard) or 1, 2.5, or 4 µm (optional) in the 0.1 to 100 µm size range
VOCs	PID (10.6 eV)	0 to 50,000 ppb (0 to 50 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	5 ppb	1 ppb	Minimum detection level is 0.01 ppm. Standard sensor
Toxic Gas: NH <sub>3</sub> - Ammonia	Gas-sensing semiconductor (GSS) technology	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: CO <sub>2</sub> - Carbon Dioxide	NDIR	0 to 5000 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	50 ppm	1 ppm	Optional sensor
Toxic Gas: CO - Carbon Monoxide	Electrochemical	0 to 10,000 ppb (0 to 10 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	20 ppb	1 ppb	Optional sensor
Toxic Gas: Cl <sub>2</sub> - Chlorine	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: (C <sub>2</sub> H <sub>4</sub> O) - Ethylene Oxide	Electrochemical	0 to 1500 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	8 ppm	1 ppm	Optional sensor
Toxic Gas: Hydrocarbon, CH <sub>4</sub> - Methane-specific	NDIR	0 to 1% Vol., 0 to 10,000 ppm, 0 to 20% LEL	Greater of $\pm 10\%$ of reading or 2% full scale	$\pm 50$ ppm or 0.1% LEL	50 ppm/ 0.1% LEL	Optional sensor
Toxic Gas: (Non-methane) Hydrocarbons (HC)	NDIR	Calibrated for 0 to 20% LEL of selected gas	Greater of $\pm 10\%$ of reading or 2% full scale	$\pm 50$ ppm/ 0.1% LEL	50 ppm/ 0.1% LEL	Optional sensor - specify gas type when ordering: ethane, propane, butane, hexane, ethanal, ethylene, or ethylene oxide
Toxic Gas: HCl - Hydrogen Chloride	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: HCN - Hydrogen Cyanide	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: H <sub>2</sub> S - Hydrogen Sulfide	Electrochemical	0 to 25 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.15 ppm	0.1 ppm	Optional sensor
Toxic Gas: NO - Nitric Oxide	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: NO <sub>2</sub> - Nitrogen Dioxide	Electrochemical	0 to 5000 ppb (0 to 5 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	5 ppb	1 ppb	Optional sensor
Toxic Gas: O <sub>2</sub> - Oxygen	Electrochemical	0 to 30% Vol.	Greater of $\pm 10\%$ of reading or 2% full scale	0.6%	0.1%	Optional sensor
Toxic Gas: O <sub>3</sub> - Ozone	Gas-sensing semiconductor (GSS) technology	0 to 150 ppb (0 to 0.15 ppm), 0 to 500 ppb (0 to 0.5 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	1 ppb	1 ppb	Optional sensor
Toxic Gas: PH <sub>3</sub> - Phosphine	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: SO <sub>2</sub> - Sulfur Dioxide	Electrochemical	0 to 5000 ppb (0 to 5 ppm) for ambient applications	Greater of $\pm 10\%$ of reading or 2% full scale	5 ppb	1 ppb	Optional sensor

\* Not approved for intrinsically safe applications; do not use in explosive gas environments.

Specifications continued on next page 



SKC Inc. 724-941-9701 SKC West 714-892-2780 SKC Gulf Coast 281-859-8050 SKC South 434-852-7149  
www.skcin.com

## HAZ-SCANNER EPAS

## Wireless Environmental Perimeter Air Station

## HAZ-SCANNER EPAS Sensor/Meter Specifications (con't)

Parameter	Sensor*	Measurement/ Concentration Range	Accuracy	Minimum Resolution	Display Resolution	Additional Information
Rain Fall/ Precipitation	Rain gauge (heated, tipping bucket)	0 to 5 inches daily	$\pm 1\%$ at 2 in/hr	0.01 in	0.01 in/tp	Optional meter
Temperature	NTC thermister	-4 to 140 F (-20 to 60 C)	Greater of $\pm 3\%$ degree F or C of reading	1 degree F or C	1 degree F or C	Standard sensor
Relative Humidity (RH)	Thin-film capacitive	0 to 100% RH	$\pm 2\%$ RH	1% RH	1% RH	Standard sensor
Solar Radiance Intensity	Photodiode	1110 watts/ square meter (W/m <sup>2</sup> )	$\pm 5\%$ of full scale (reference Eppley PSP at 1000 W/m <sup>2</sup> )	1 W/m <sup>2</sup>	1 W/m <sup>2</sup>	Optional meter
Sound and Noise	Type 2 SLM	80 to 130 deci- bels (dB)	$\pm 1.5$ dB	0.1 dB	1 dB	Optional meter
Atomic Radiation	Geiger counter	1 to 19 999 counts per minute (cpm) or 0.001 to 100 milliRad/hr	$\pm 10\%$ Typical $\pm 15\%$ Max.	1 cpm or .001 mR/hr	1 cpm or .001 mR/hr	Optional meter
ELF Radiation	Sensor with single- axis probe	1 to 200 gauss (G)	$\pm 10\%$ or 5% FS	1 G	1 G	Optional meter
Wind Speed/ Direction	3-cut anemometer/ continuous rotation potentiometric wind direction vane	0 to 125 mph/ 5 to 365°	$\pm 1$ mph or $\pm 8\%$ $\pm 3^\circ$	1 mph/1°	1 mph/1°	Standard sensor
Barometric Pressure	Piezo resistive	28.25 to 30.75 in Hg	$\pm 0.09$ in Hg	0.01 in Hg	0.01 in Hg	Optional sensor
Dew Point Temperature	Software calcula- tion from RH and temperature	3.2 to 122 F (-16 to 50 C)	$\pm 3$ F	1 F	1 F	Optional meter - software calculated
Wet Bulb Temperature	Capaculated therm- ister with wick	3.2 to 122 F (-16 to 50 C)	$\pm 3$ F	1 F	1 F	Optional meter - one meter

\* Not approved for intrinsically safe applications; do not use in explosive gas environments.





Calibration Certificate for Haz-scanner



*Calibration Certificate*

Customer	Eguard
System Model	EPAS
System Serial	915081
Calibration Date	2018 April 21

Sensor	Low	Actual	High	Actual
CO	0 ppm	0 ppm	10 ppm	8,2 ppm
CO2	0 ppm	0 ppm	300 ppm	250 ppm
SO2	0 ppm	0 ppm	2 ppm	1.5 ppm
NO2	0 ppm	0 ppm	3 ppm	2.1 ppm
PMA	0 ug/m3	0 ug/m3	23400 ug/m3	21100 ug/m3
PMB	0 ug/m3	0 ug/m3	21000 ug/m3	19100 ug/m3

Temperature            22 deg C  
 Relative Humidity    32%

*Note*  
 # Perform by EDC technician's instruction.  
 # This instrument is manufactured by Environmental Device Corporation ( USA ).



**Perform by**

Nanda Maung	Technical Service Engineer	Nanova Co;ltd
-------------	----------------------------	---------------

**Yangon Office**  
 22A , Shan Yeik Thor Street , Sanchaung Township.  
 01-2304901 , 01-2304902  
 Help Line - 0997747774



## APPENDIX B

### Field Photos

Air Monitoring Point at Sa Ka Village

(ASR4)

Lat- 21°23'48.591", Long- 95°23'0.849"

16.3.2020 to 17.3.2020



Air Monitoring Point at Hnan Ywa Village

(ASR3)

Lat- 21°22'17.565", Long- 95°23'18.116"

17.3.2020 to 18.3.2020



Air Monitoring Point at Gyoke Pin Village

(ASR5)

Lat- 21°24'21.888", Long- 95°21'07.381"

18.3.2020 to 19.3.2020



Air Monitoring Point at Nyaung Kan Village

(ASR14)

Lat- 21°21'58.048", Long- 95°20'51.346"

19.3.2020 to 20.3.2020





**Sembcorp Myingyan Power Co., Ltd.**

# **Environmental Monitoring Report**

## **(Air Quality Monitoring)**



**Ref: 29.06.2020 to 03.07.2020 (Air Quality Report)**

**27 July 2020**

**Prepared by**



**E Guard Environmental Services**

## Table of Contents

List of Figures .....	ii
List of Tables .....	iii
1. INTRODUCTION .....	1
2. METHODOLOGY .....	1
2.1 Ambient Air Quality.....	1
2.2 Ambient Noise.....	1
3. MONITORING LOCATIONS.....	3
4. ENVIRONMENTAL QUALITY MONITORING RESULTS.....	4
4.1 Ambient Air Quality Monitoring Results.....	4
4.2 Wind Speed and Direction .....	12
4.3 Ambient Noise.....	15
APPENDIX A.....	20
APPENDIX B .....	25



## **List of Figures**

Figure 3. 1 Location of Monitoring Points .....	3
Figure 4. 1 PM Monitoring Results at Sa Ka Village .....	4
Figure 4. 2 PM Monitoring Results at Hnan Ywa Village .....	5
Figure 4. 3 PM Monitoring Results at Gyoke Pin Village.....	5
Figure 4. 4 PM Monitoring Results at Nyaung Kan Village .....	6
Figure 4. 5 Fluctuation of Air Pollutants during dial cycle (Sa Ka Village) .....	6
Figure 4. 6 Fluctuation of Air Pollutants during dial cycle (Hnan Ywa Village).....	6
Figure 4. 7 Fluctuation of Air Pollutants during dial cycle (Gyoke Pin Village).....	7
Figure 4. 8 Fluctuation of Air Pollutants during dial cycle (Nyaung Kan Village) .....	7
Figure 4. 9 Wind Speed and Wind Direction (Blowing From) at Sa Ka Village (ASR4).....	12
Figure 4. 10 Wind Class Frequency Distribution at Sa Ka Village (ASR4).....	12
Figure 4. 11 Wind Speed and Wind Direction (Blowing From) at Hnan Ywa Village (ASR3) .....	13
Figure 4. 12 Wind Class Frequency Distribution at Hnan Ywa Village (ASR3).....	13
Figure 4. 13 Wind Speed and Wind Direction (Blowing From) at Gyoke Pin Village (ASR5) .....	14
Figure 4. 14 Wind Class Frequency Distribution at Gyoke Pin Village (ASR5) .....	14
Figure 4. 15 Wind Speed and Wind Direction (Blowing From) at Nyaung Kan Village (ASR14) .....	15
Figure 4. 16 Wind Class Frequency Distribution at Nyaung Kan Village (ASR14).....	15
Figure 4. 17 Noise Level at near Sembcorp Myingyan Power Plant.....	17
Figure 4. 18 Noise Level at Sa Ka Village .....	18

## **List of Tables**

Table 2. 1 Ambient Air Quality Parameters .....	1
Table 2. 2 Air Quality Guideline Values .....	1
Table 2. 3 Noise level monitoring.....	2
Table 2. 4 Equipment used to measure ambient air and noise measurement .....	2
Table 3. 1 Location of Monitoring Points.....	3
Table 4. 1 Observed Ambient Air Quality Results from Selected Points.....	4
Table 4. 2 Air Monitoring Results (Sa Ka Village).....	8
Table 4. 3 Air Monitoring Results (Hnan Ywa Village) .....	8
Table 4. 4 Air Monitoring Results (Gyoke Pin Village).....	9
Table 4. 5 Air Monitoring Results (Nyaung Kan Village) .....	10
Table 4. 6 Observed Values of Noise Level Measurement at near Sembcorp Myingyan Power Plant .....	16
Table 4. 7 Observed Values of Noise Level Measurement at Sa Ka Village .....	17
Table 4. 8 Observed Ambient Noise level Results from Myingyan Power Plant.....	18
Table 4. 9 Observed Ambient Noise level Results from Sa Ka Village .....	18
Table 4. 10 National Environmental Quality (Emission) Guidelines Values for Noise Level	19

## 1. INTRODUCTION

This report is environmental monitoring (only air and noise quality monitoring) for Sembcorp Myingyan Power Plant which is located beside of Myingyan – Nyaung-Oo Road, near the Sa Ka village in Mandalay Region.

## 2. METHODOLOGY

Baseline environmental parameters and sampling locations were defined according to the objectives for environmental monitoring purposes. Locations for sampling and analysis of ambient air quality of the project site were identified by Sembcorp Myingyan Power Co.,Ltd.

### 2.1 Ambient Air Quality

The emissions of dust particles and gases were measured for 24hrs continuously at the selected sites by using the Environmental Perimeter Air Station (EPAS), and EPAS provides direct readings in real time with data-logging capabilities. The monitoring results were compared with National Environmental Quality (Emission) Guideline (NEQG), World Health Organization (WHO) and American Conference of Governmental Industrial Hygienists (ACGIH) guidelines.

Table 2. 1 Ambient Air Quality Parameters

<i>Ambient Air Quality (4 locations)</i>	
Gas Emission	CO, CO <sub>2</sub> , SO <sub>2</sub> , NO <sub>2</sub>
Dust Emission	PM <sub>10</sub> , PM <sub>2.5</sub>

Table 2. 2 Air Quality Guideline Values

Parameters	Guidelines Value	Unit	Organization	Averaging Period
PM <sub>10</sub>	50	µg/m <sup>3</sup>	NEQ	24hrs
PM <sub>2.5</sub>	25	µg/m <sup>3</sup>	NEQ	24hrs
CO	9	ppm	NAAQS	8hrs
CO <sub>2</sub>	5000	ppm	ACGIH	8hrs
SO <sub>2</sub>	20	µg/m <sup>3</sup>	NEQ	24hrs
NO <sub>2</sub>	200	µg/m <sup>3</sup>	NEQ	24hrs

Source: Myanmar National Environmental Quality (Emission) Guidelines, December 2015 & Air quality guidelines global update. 2005. World Health Organization.

### 2.2 Ambient Noise

Noise level LAeq (dBA) will be measured at the selected locations that can reflect the exposure of the nearest local community and sensitive locations. Duration and frequency were measured for 24hrs continuously at the selected site using the Noise Meter.

The monitoring procedures, data analysis and interpretation were carried out in accordance with the instrument's manufacture and National Environmental Quality (Emission) Guidelines, World Health Organization (WHO) and International Finance Corporation (IFC guidelines in order to be in line with Environmental Conservation Department, Ministry of Natural Resources and Environment Conservation (MONREC). "National Environmental Quality

(Emission) Guidelines" for Myanmar was also presented the value of noise level as LAeq (dBA).

Table 2. 3 Noise level monitoring

<b>Noise monitoring (2 locations)</b>	
Noise Emission	LAeq (dBA) (1hrs, 24 hrs.)

Equipment used to measure ambient air and noise measurement are shown below (Table 2. 4).

Table 2. 4 Equipment used to measure ambient air and noise measurement

<p><b>Davis Vantage Pro2 Wireless Weather Station</b></p> <p>Provides detailed current weather conditions and expanded forecasts - all at a glance!</p> <p>The Vantage Pro2 uses a frequency-hopping spread spectrum radio from 902 MHz to 928 MHz to transmit and receive data up to 1,000' (300m) line of sight. In addition, the weather station features a bubble level, improved anemometer base, redesigned wind cups, and factory-calibrated wind direction. The integrated sensor suite combines temperature and humidity sensors, rain collector with an aluminum-plated tipping bucket, and anemometer into one package for easy setup. Measure inside and outside temperature and humidity, heat index, barometric pressure, dew point, rainfall, wind direction and speed, and wind chill.</p>	
<p><b>Haz-Scanner EPAS</b></p> <p>PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO, CO<sub>2</sub>, Temperature, and Relative Humidity</p>	
<p><b>Digital Sound Level Meter</b></p> <p>Noise and Vibration</p>	



### 3. MONITORING LOCATIONS

Locations of sampling sites were identified by Sembcorp Myingyan Power Co,ltd. Air quality was monitored at the four selected locations that are Sa Ka Village (ASR4), Hnan Ywa Village (ASR3), Gyoke Pin Village (ASR 5) and Nyaung Kan Village (ASR 14).

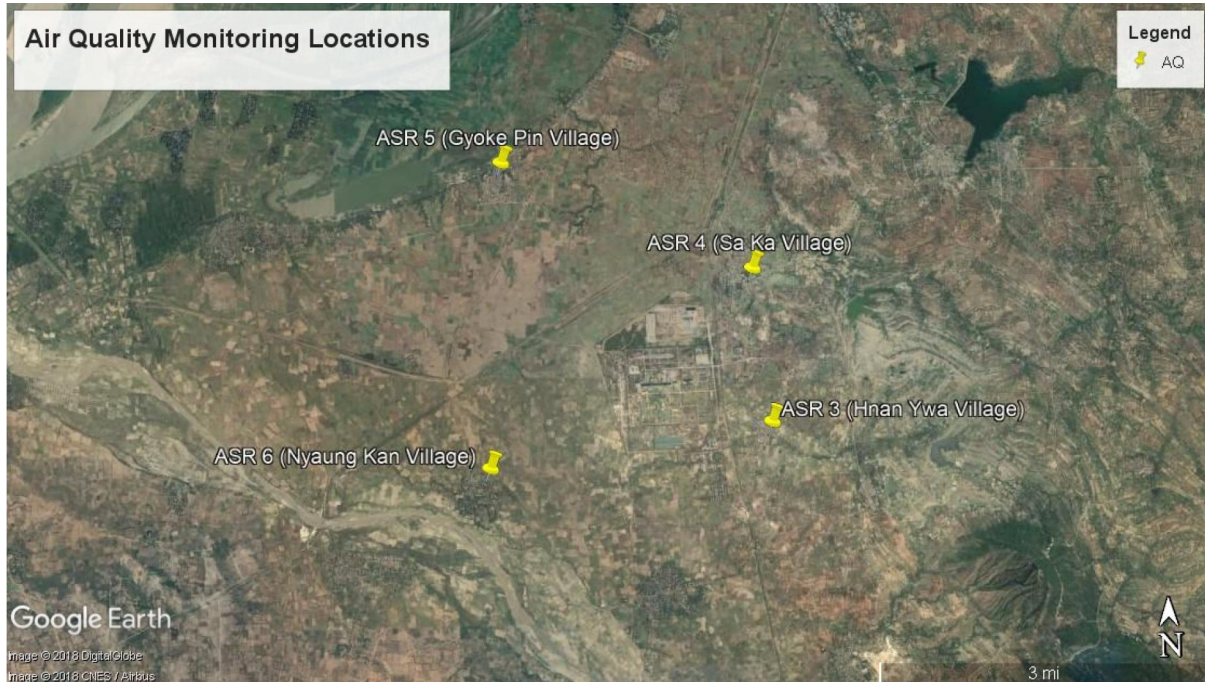


Figure 3. 1 Location of Monitoring Points

Table 3. 1 Location of Monitoring Points

Locations No.	Points	Coordinate	Locations
Ambient Air Quality and Noise Monitoring Locations			
1	ASR4	Lat- 21°23'48.591", Long- 95°23'0.849"	Sa Ka Village
2	ASR3	Lat- 21°22'17.565", Long- 95°23'18.116"	Hnan Ywa Village
3	ASR5	Lat- 21°24'21.888", Long- 95°21'7.381"	Gyoke Pin Village
4	ASR14	Lat- 21°21'58.048", Long- 95°20'51.346"	Nyaung Kan Village

## 4. ENVIRONMENTAL QUALITY MONITORING RESULTS

### 4.1 Ambient Air Quality Monitoring Results

24 hours air quality monitoring were done at each selected location from 29 June 2020 to 03 July 2020. The measured results are compared with national emission guidelines. Based on the results of air quality monitoring, most of the parameters are within the guidelines.

Table 4. 1 Observed Ambient Air Quality Results from Selected Points

Parameters	Observed Value				Guidelines Value	Unit	Averaging Period
	ASR4	ASR3	ASR5	ASR14			
PM <sub>10</sub>	4.37	3.23	2.56	2.86	50	µg/m <sup>3</sup>	24hrs
PM <sub>2.5</sub>	2.09	1.47	1.20	1.51	25	µg/m <sup>3</sup>	24hrs
CO	0	0	0	0	9	ppm	8hrs
CO <sub>2</sub>	424.49	414.81	428.70	431.88	5000	ppm	8hrs
SO <sub>2</sub>	0.01	0	0	0	20	µg/m <sup>3</sup>	24hrs
NO <sub>2</sub>	3.76	3.76	8.46	6.27	200	µg/m <sup>3</sup>	1hrs

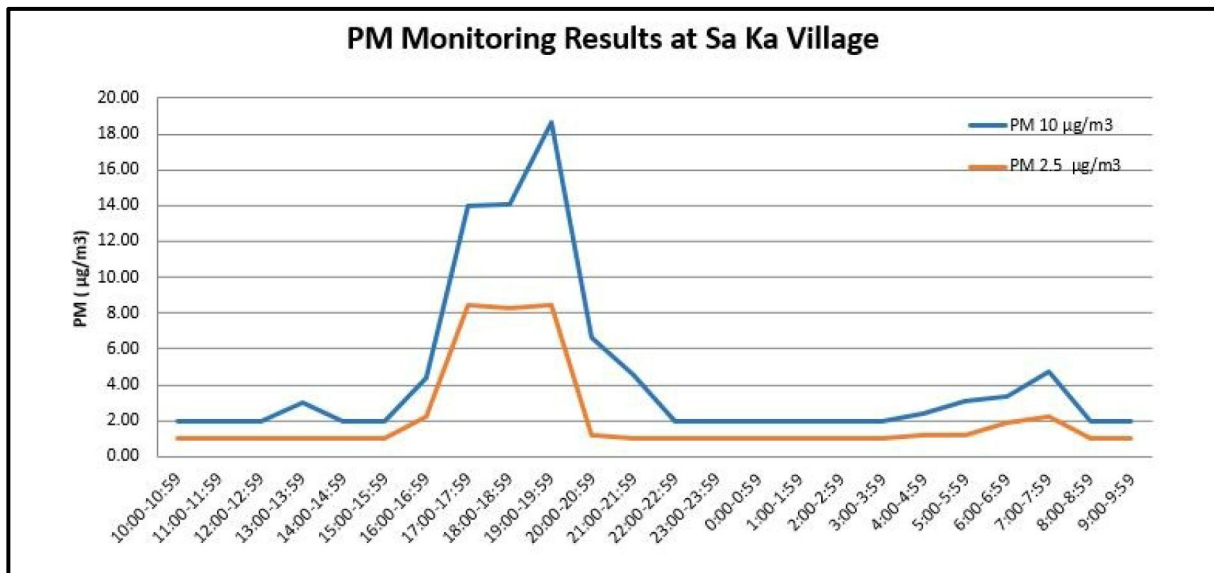


Figure 4. 1 PM Monitoring Results at Sa Ka Village

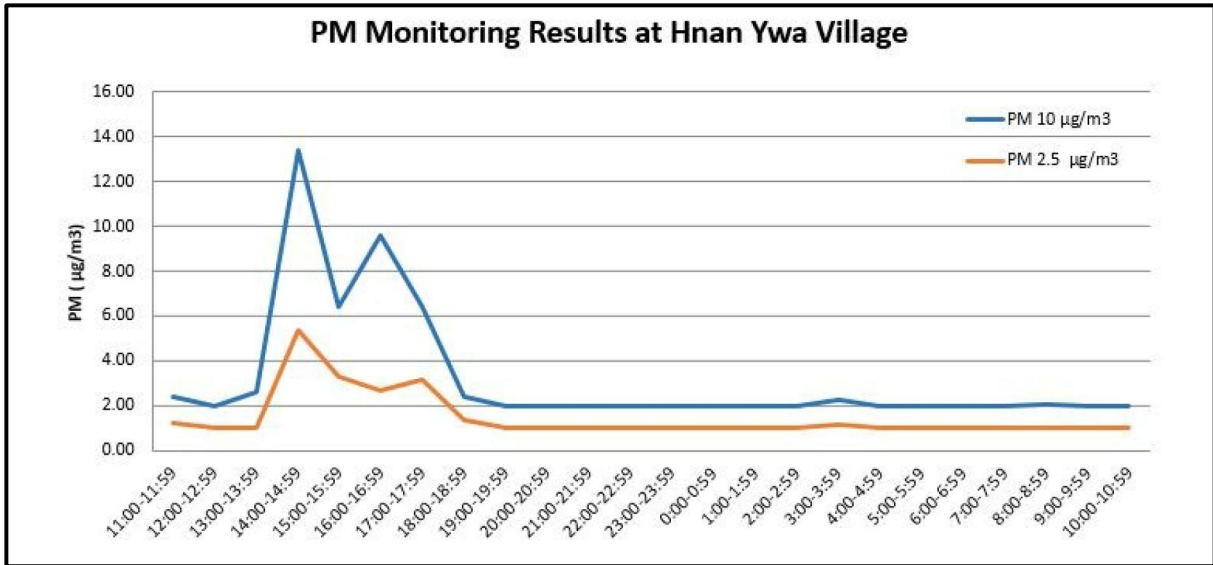


Figure 4. 2 PM Monitoring Results at Hnan Ywa Village

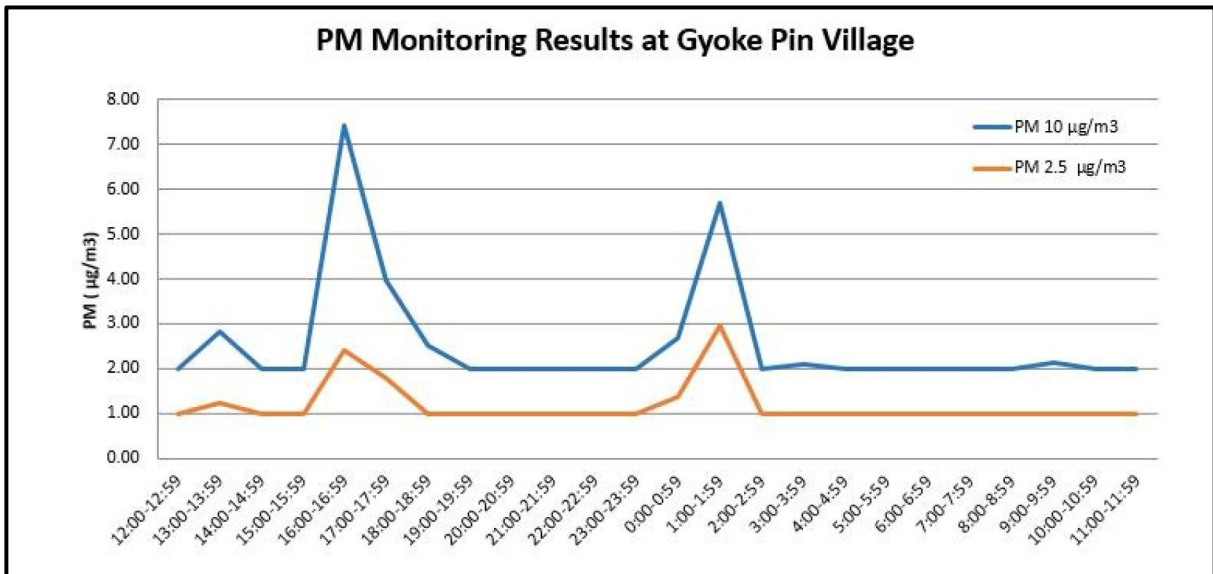


Figure 4. 3 PM Monitoring Results at Gyoke Pin Village

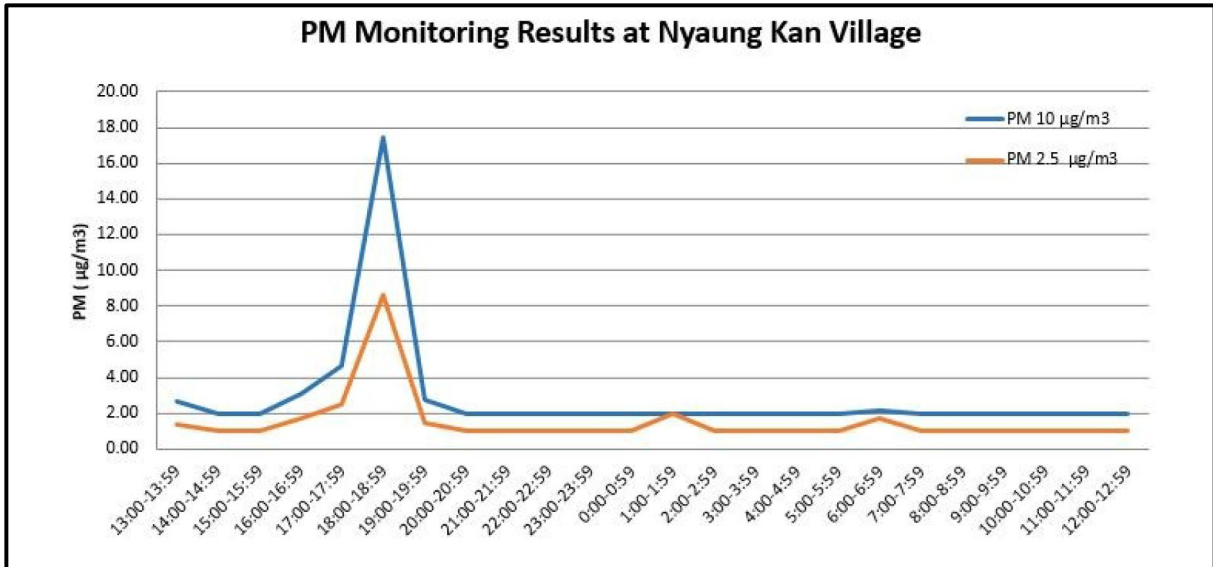


Figure 4. 4 PM Monitoring Results at Nyaung Kan Village

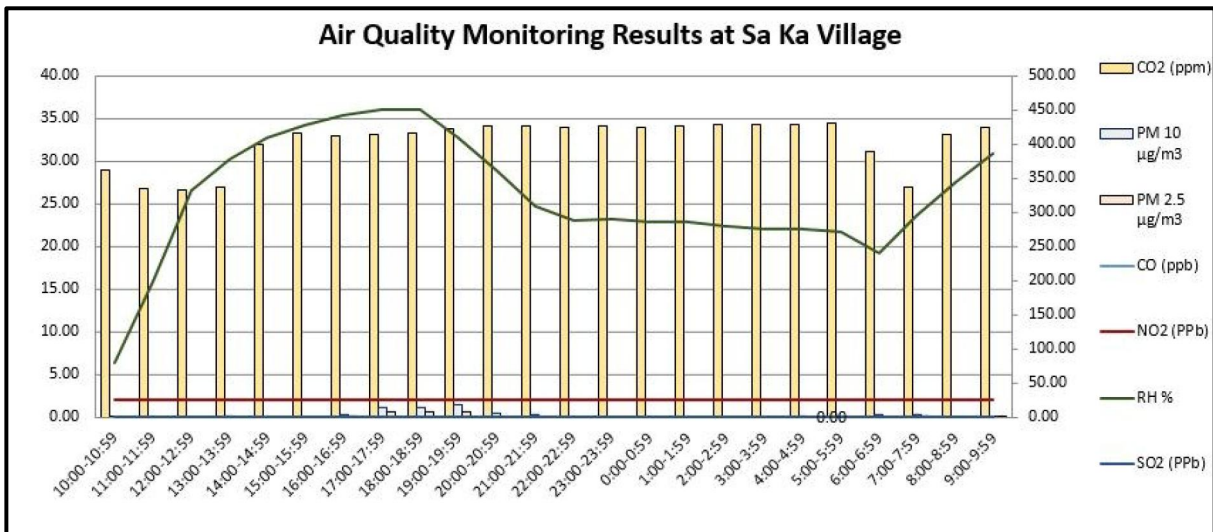


Figure 4. 5 Fluctuation of Air Pollutants during dial cycle (Sa Ka Village)

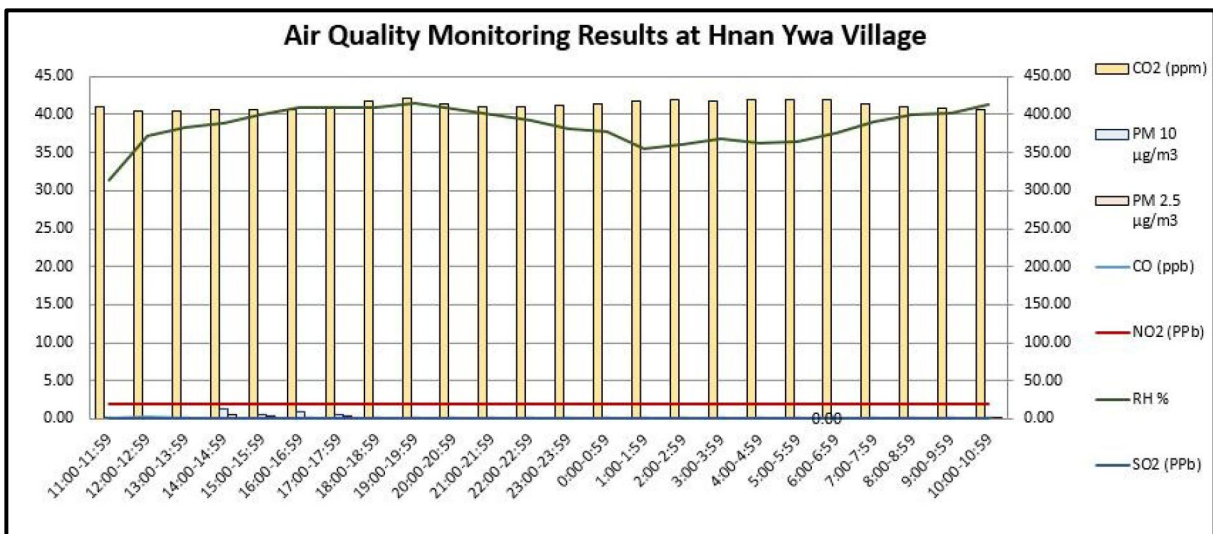


Figure 4. 6 Fluctuation of Air Pollutants during dial cycle (Hnan Ywa Village)



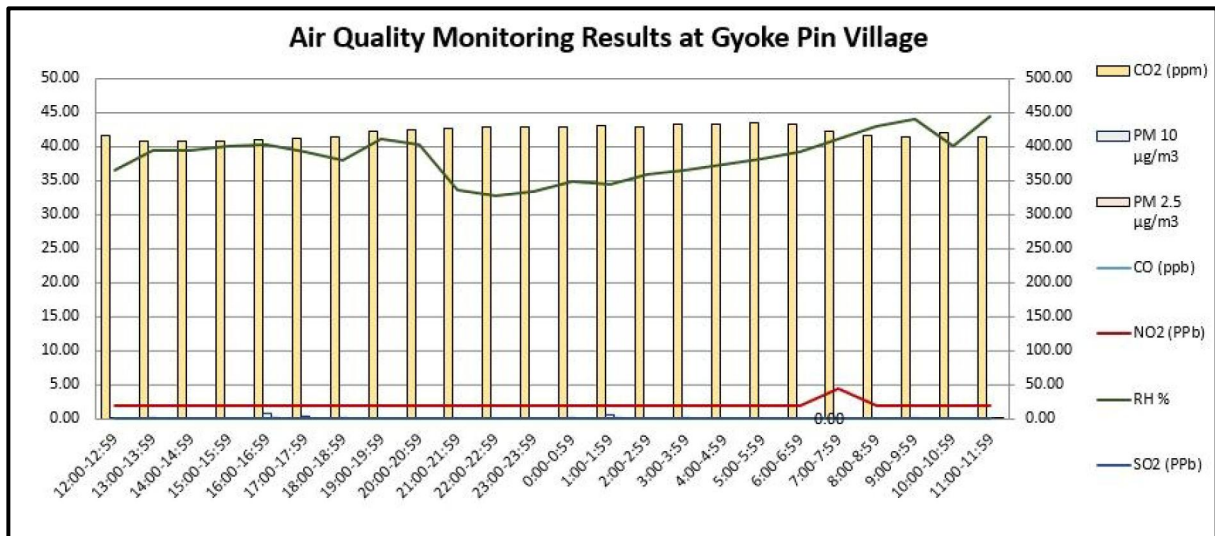


Figure 4. 7 Fluctuation of Air Pollutants during dial cycle (Gyoke Pin Village)

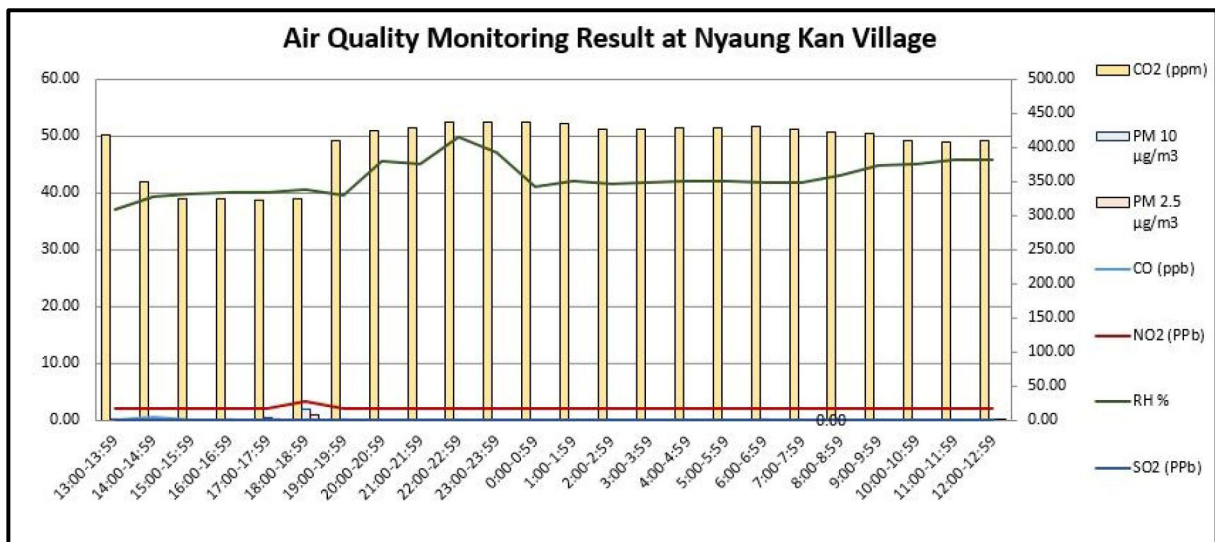


Figure 4. 8 Fluctuation of Air Pollutants during dial cycle (Nyaung Kan Village)

Detail results with one-hour interval of pollutants are shown in **Table 4. 2** to

01.7.2020	12:00-12:59	Average	416.72	0.00	2.00	2
01.7.2020	13:00-13:59	Average	408.75	0.00	2.00	2
01.7.2020	14:00-14:59	Average	407.38	0.00	2.00	2
01.7.2020	15:00-15:59	Average	408.37	0.00	2.00	2
01.7.2020	16:00-16:59	Average	409.13	0.00	2.00	7
01.7.2020	17:00-17:59	Average	411.30	0.00	2.00	3
01.7.2020	18:00-18:59	Average	414.68	0.00	2.00	2
01.7.2020	19:00-19:59	Average	423.45	0.00	2.00	2
01.7.2020	20:00-20:59	Average	424.78	0.00	2.00	2
01.7.2020	21:00-21:59	Average	426.68	0.00	2.00	2
01.7.2020	22:00-22:59	Average	428.88	0.00	2.00	2
01.7.2020	23:00-23:59	Average	428.48	0.00	2.00	2
02.7.2020	0:00-0:59	Average	429.05	0.00	2.00	2

02.7.2020	1:00-1:59	Average	430.25	0.00	2.00	5
02.7.2020	2:00-2:59	Average	429.35	0.00	2.00	2
02.7.2020	3:00-3:59	Average	432.12	0.00	2.00	2
02.7.2020	4:00-4:59	Average	433.15	0.00	2.00	2
02.7.2020	5:00-5:59	Average	434.52	0.00	2.00	2
02.7.2020	6:00-6:59	Average	432.57	0.00	2.00	2
02.7.2020	7:00-7:59	Average	422.37	0.00	4.50	2
02.7.2020	8:00-8:59	Average	417.33	0.00	2.00	2
02.7.2020	9:00-9:59	Average	415.07	0.00	2.00	2
02.7.2020	10:00-10:59	Average	419.82	0.00	2.00	2
02.7.2020	11:00-11:59	Average	414.15	0.00	2.00	2
<b>Average</b>			<b>421.60</b>	<b>0.00</b>	<b>2.10</b>	<b>2</b>
<b>1 hour Minimum</b>			407.38	0.00	2.00	2
<b>1 hour Maximum</b>			434.52	0.00	4.50	7

Table 4. 5. All results are under the Myanmar National Environmental Quality (emission) Guidelines. So, Sembcorp Myingyan Power Plant is acceptable for environment.

Table 4. 2 Air Monitoring Results (Sa Ka Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
29.6.2020	10:00-10:59	Average	362.87	0.00	2.00	2.00	1.00	6.40	0.00
29.6.2020	11:00-11:59	Average	335.37	0.00	2.00	2.00	1.00	15.92	0.00
29.6.2020	12:00-12:59	Average	334.08	0.00	2.00	2.00	1.00	26.50	0.00
29.6.2020	13:00-13:59	Average	337.57	0.00	2.00	3.02	1.03	30.17	0.00
29.6.2020	14:00-14:59	Average	399.45	0.00	2.00	2.00	1.00	32.75	0.00
29.6.2020	15:00-15:59	Average	416.48	0.00	2.00	2.00	1.00	34.23	0.00
29.6.2020	16:00-16:59	Average	412.57	0.00	2.00	4.42	2.22	35.32	0.00
29.6.2020	17:00-17:59	Average	414.35	0.00	2.00	13.97	8.48	36.05	0.00
29.6.2020	18:00-18:59	Average	415.77	0.00	2.00	14.07	8.27	36.03	0.00
29.6.2020	19:00-19:59	Average	423.18	0.00	2.00	18.67	8.43	32.65	0.00
29.6.2020	20:00-20:59	Average	426.75	0.00	2.00	6.63	1.15	28.92	0.00
29.6.2020	21:00-21:59	Average	426.25	0.00	2.00	4.57	1.00	24.77	0.00
29.6.2020	22:00-22:59	Average	424.77	0.00	2.00	2.00	1.00	23.13	0.00
29.6.2020	23:00-23:59	Average	427.02	0.00	2.00	2.00	1.00	23.23	0.00
30.6.2020	0:00-0:59	Average	424.83	0.00	2.00	2.00	1.00	22.87	0.00
30.6.2020	1:00-1:59	Average	427.33	0.00	2.00	2.00	1.00	22.95	0.00
30.6.2020	2:00-2:59	Average	428.87	0.00	2.00	2.00	1.00	22.38	0.00
30.6.2020	3:00-3:59	Average	428.27	0.00	2.00	2.00	1.00	22.15	0.00
30.6.2020	4:00-4:59	Average	429.28	0.00	2.00	2.43	1.22	22.00	0.00
30.6.2020	5:00-5:59	Average	430.58	0.00	2.00	3.12	1.17	21.82	0.00
30.6.2020	6:00-6:59	Average	388.97	0.00	2.00	3.35	1.90	19.28	0.00
30.6.2020	7:00-7:59	Average	337.87	0.00	2.00	4.73	2.23	23.68	0.00
30.6.2020	8:00-8:59	Average	414.23	0.00	2.00	2.00	1.00	27.60	0.00
30.6.2020	9:00-9:59	Average	425.23	0.00	2.00	2.00	1.00	30.92	0.07
<b>Average</b>			<b>403.83</b>	<b>0.00</b>	<b>2.00</b>	<b>4.37</b>	<b>2.09</b>	<b>25.90</b>	<b>0.00</b>
<b>1 hour Minimum</b>			334.08	0.00	2.00	2.00	1.00	6.40	0.00
<b>1 hour Maximum</b>			430.58	0.00	2.00	18.67	8.48	36.05	0.07

Table 4. 3 Air Monitoring Results (Hnan Ywa Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
30.6.2020	11:00-11:59	Average	410.37	0.00	2.00	2.38	1.23	31.45	0.00
30.6.2020	12:00-12:59	Average	404.90	0.30	2.00	2.00	1.00	37.20	0.00
30.6.2020	13:00-13:59	Average	403.93	0.00	2.00	2.63	1.00	38.25	0.00
30.6.2020	14:00-14:59	Average	405.78	0.00	2.00	13.43	5.38	38.87	0.00
30.6.2020	15:00-15:59	Average	406.75	0.00	2.00	6.40	3.28	40.05	0.00
30.6.2020	16:00-16:59	Average	407.03	0.00	2.00	9.57	2.67	40.90	0.00
30.6.2020	17:00-17:59	Average	408.70	0.00	2.00	6.38	3.18	41.00	0.00
30.6.2020	18:00-18:59	Average	417.08	0.00	2.00	2.40	1.33	41.00	0.00
30.6.2020	19:00-19:59	Average	420.82	0.00	2.00	2.00	1.00	41.40	0.00
30.6.2020	20:00-20:59	Average	413.13	0.00	2.00	2.00	1.00	40.83	0.00
30.6.2020	21:00-21:59	Average	410.15	0.00	2.00	2.00	1.00	40.00	0.00
30.6.2020	22:00-22:59	Average	410.82	0.00	2.00	2.00	1.00	39.18	0.00
30.6.2020	23:00-23:59	Average	412.60	0.00	2.00	2.00	1.00	38.12	0.00
01.7.2020	0:00-0:59	Average	413.87	0.00	2.00	2.00	1.00	37.70	0.00
01.7.2020	1:00-1:59	Average	418.00	0.00	2.00	2.00	1.00	35.55	0.00
01.7.2020	2:00-2:59	Average	419.07	0.00	2.00	2.00	1.00	36.13	0.00
01.7.2020	3:00-3:59	Average	418.42	0.00	2.00	2.23	1.17	36.88	0.00
01.7.2020	4:00-4:59	Average	419.82	0.00	2.00	2.00	1.00	36.25	0.00
01.7.2020	5:00-5:59	Average	419.43	0.00	2.00	2.00	1.00	36.43	0.00
01.7.2020	6:00-6:59	Average	420.07	0.00	2.00	2.00	1.00	37.58	0.00
01.7.2020	7:00-7:59	Average	414.43	0.00	2.00	2.00	1.00	39.02	0.00
01.7.2020	8:00-8:59	Average	409.80	0.00	2.00	2.03	1.00	40.03	0.00
01.7.2020	9:00-9:59	Average	407.65	0.00	2.00	2.00	1.00	40.12	0.00
01.7.2020	10:00-10:59	Average	407.12	0.00	2.00	2.00	1.00	41.28	0.00
<b>Average</b>			<b>412.49</b>	<b>0.01</b>	<b>2.00</b>	<b>3.23</b>	<b>1.47</b>	<b>38.55</b>	<b>0.00</b>
<b>1 hour Minimum</b>			403.93	0.00	2.00	2.00	1.00	31.45	0.00
<b>1 hour Maximum</b>			420.82	0.30	2.00	13.43	5.38	41.40	0.00



Table 4. 4 Air Monitoring Results (Gyoke Pin Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
01.7.2020	12:00-12:59	Average	416.72	0.00	2.00	2.00	1.00	36.47	0.00
01.7.2020	13:00-13:59	Average	408.75	0.00	2.00	2.83	1.23	39.47	0.00
01.7.2020	14:00-14:59	Average	407.38	0.00	2.00	2.00	1.00	39.42	0.00
01.7.2020	15:00-15:59	Average	408.37	0.00	2.00	2.00	1.00	40.13	0.00
01.7.2020	16:00-16:59	Average	409.13	0.00	2.00	7.43	2.40	40.25	0.00
01.7.2020	17:00-17:59	Average	411.30	0.00	2.00	3.97	1.78	39.23	0.00
01.7.2020	18:00-18:59	Average	414.68	0.00	2.00	2.53	1.00	37.92	0.00
01.7.2020	19:00-19:59	Average	423.45	0.00	2.00	2.00	1.00	41.17	0.00
01.7.2020	20:00-20:59	Average	424.78	0.00	2.00	2.00	1.00	40.37	0.00
01.7.2020	21:00-21:59	Average	426.68	0.00	2.00	2.00	1.00	33.65	0.00
01.7.2020	22:00-22:59	Average	428.88	0.00	2.00	2.00	1.00	32.83	0.00
01.7.2020	23:00-23:59	Average	428.48	0.00	2.00	2.00	1.00	33.40	0.00
02.7.2020	0:00-0:59	Average	429.05	0.00	2.00	2.70	1.37	34.97	0.00
02.7.2020	1:00-1:59	Average	430.25	0.00	2.00	5.68	2.95	34.35	0.00
02.7.2020	2:00-2:59	Average	429.35	0.00	2.00	2.00	1.00	35.85	0.00
02.7.2020	3:00-3:59	Average	432.12	0.00	2.00	2.12	1.00	36.53	0.00
02.7.2020	4:00-4:59	Average	433.15	0.00	2.00	2.00	1.00	37.43	0.00
02.7.2020	5:00-5:59	Average	434.52	0.00	2.00	2.00	1.00	38.12	0.00
02.7.2020	6:00-6:59	Average	432.57	0.00	2.00	2.00	1.00	39.27	0.00
02.7.2020	7:00-7:59	Average	422.37	0.00	4.50	2.00	1.00	41.13	0.00
02.7.2020	8:00-8:59	Average	417.33	0.00	2.00	2.00	1.00	43.03	0.00
02.7.2020	9:00-9:59	Average	415.07	0.00	2.00	2.15	1.00	44.07	0.00
02.7.2020	10:00-10:59	Average	419.82	0.00	2.00	2.00	1.00	40.00	0.00
02.7.2020	11:00-11:59	Average	414.15	0.00	2.00	2.00	1.00	44.40	0.00
<b>Average</b>			<b>421.60</b>	<b>0.00</b>	<b>2.10</b>	<b>2.56</b>	<b>1.20</b>	<b>38.48</b>	<b>0.00</b>
<b>1 hour Minimum</b>			407.38	0.00	2.00	2.00	1.00	32.83	0.00
<b>1 hour Maximum</b>			434.52	0.00	4.50	7.43	2.95	44.40	0.00

Table 4. 5 Air Monitoring Results (Nyaung Kan Village)

Date	Time		CO <sub>2</sub> (ppm)	CO (ppb)	NO <sub>2</sub> (ppb)	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	RH %	SO <sub>2</sub> (ppb)
02.7.2020	13:00-13:59	Average	419.25	0.00	2.00	2.65	1.37	36.97	0.00
02.7.2020	14:00-14:59	Average	348.82	0.50	2.00	2.00	1.00	39.33	0.00
02.7.2020	15:00-15:59	Average	324.23	0.00	2.00	2.00	1.00	39.90	0.00
02.7.2020	16:00-16:59	Average	324.67	0.00	2.00	3.07	1.68	40.12	0.00
02.7.2020	17:00-17:59	Average	322.12	0.00	2.00	4.68	2.52	40.00	0.00
02.7.2020	18:00-18:59	Average	324.08	0.00	3.33	17.40	8.62	40.68	0.00
02.7.2020	19:00-19:59	Average	409.38	0.00	2.00	2.75	1.48	39.63	0.00
02.7.2020	20:00-20:59	Average	424.97	0.00	2.00	2.00	1.00	45.58	0.00
02.7.2020	21:00-21:59	Average	428.87	0.00	2.00	2.00	1.00	44.98	0.00
02.7.2020	22:00-22:59	Average	436.97	0.00	2.00	2.00	1.00	49.75	0.00
02.7.2020	23:00-23:59	Average	436.88	0.00	2.00	2.00	1.00	47.18	0.00
03.7.2020	0:00-0:59	Average	436.20	0.00	2.00	2.00	1.00	41.20	0.00
03.7.2020	1:00-1:59	Average	434.83	0.00	2.00	2.00	1.95	41.98	0.00
03.7.2020	2:00-2:59	Average	426.40	0.00	2.00	2.00	1.00	41.58	0.00
03.7.2020	3:00-3:59	Average	426.30	0.00	2.00	2.00	1.00	41.85	0.00
03.7.2020	4:00-4:59	Average	428.60	0.00	2.00	2.00	1.00	42.00	0.00
03.7.2020	5:00-5:59	Average	428.73	0.00	2.00	2.00	1.00	42.17	0.00
03.7.2020	6:00-6:59	Average	430.38	0.00	2.00	2.13	1.73	41.83	0.00
03.7.2020	7:00-7:59	Average	427.33	0.00	2.00	2.00	1.00	41.93	0.00
03.7.2020	8:00-8:59	Average	422.35	0.00	2.00	2.00	1.00	43.03	0.00
03.7.2020	9:00-9:59	Average	420.03	0.00	2.00	2.00	1.00	44.73	0.00
03.7.2020	10:00-10:59	Average	410.57	0.00	2.20	2.00	1.00	45.07	0.00
03.7.2020	11:00-11:59	Average	408.42	0.00	2.00	2.00	1.00	45.92	0.00
03.7.2020	12:00-12:59	Average	409.40	0.00	2.00	2.00	1.00	45.85	0.00
<b>Average</b>			<b>404.57</b>	<b>0.02</b>	<b>2.06</b>	<b>2.86</b>	<b>1.51</b>	<b>42.64</b>	<b>0.00</b>
<b>1 hour Minimum</b>			322.12	0.00	2.00	2.00	1.00	36.97	0.00
<b>1 hour Maximum</b>			436.97	0.50	3.33	17.40	8.62	49.75	0.00

## 4.2 Wind Speed and Direction

The following figure describes the wind speed and wind direction of the proposed project site on, 29 June to 03 July 2020 respectively. According to the data, the wind direction is following **Figure 4. 9** to **Figure 4. 16**.

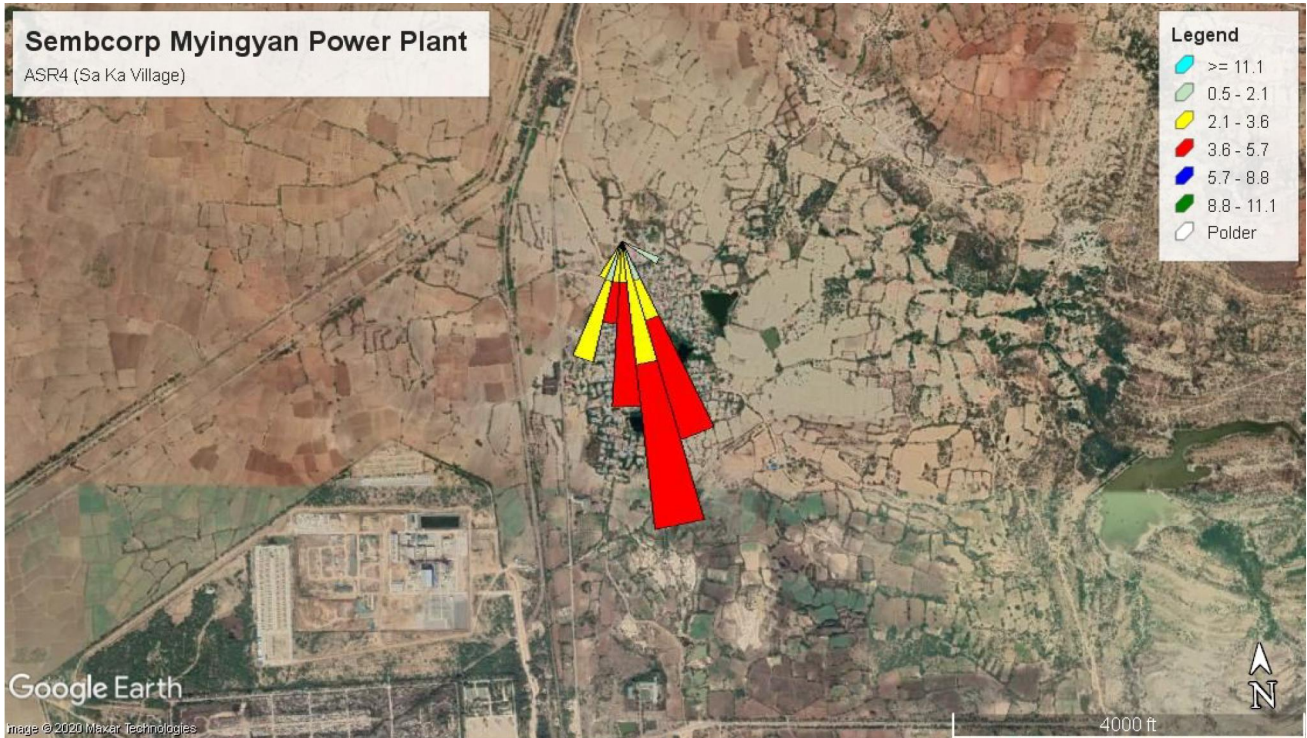


Figure 4. 9 Wind Speed and Wind Direction (Blowing From) at Sa Ka Village (ASR4)

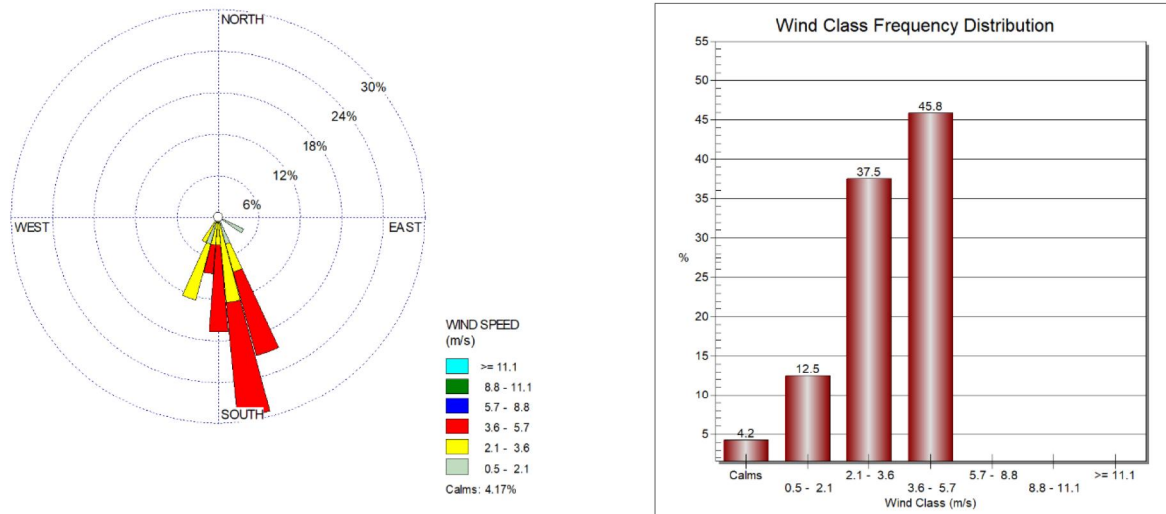


Figure 4. 10 Wind Class Frequency Distribution at Sa Ka Village (ASR4)



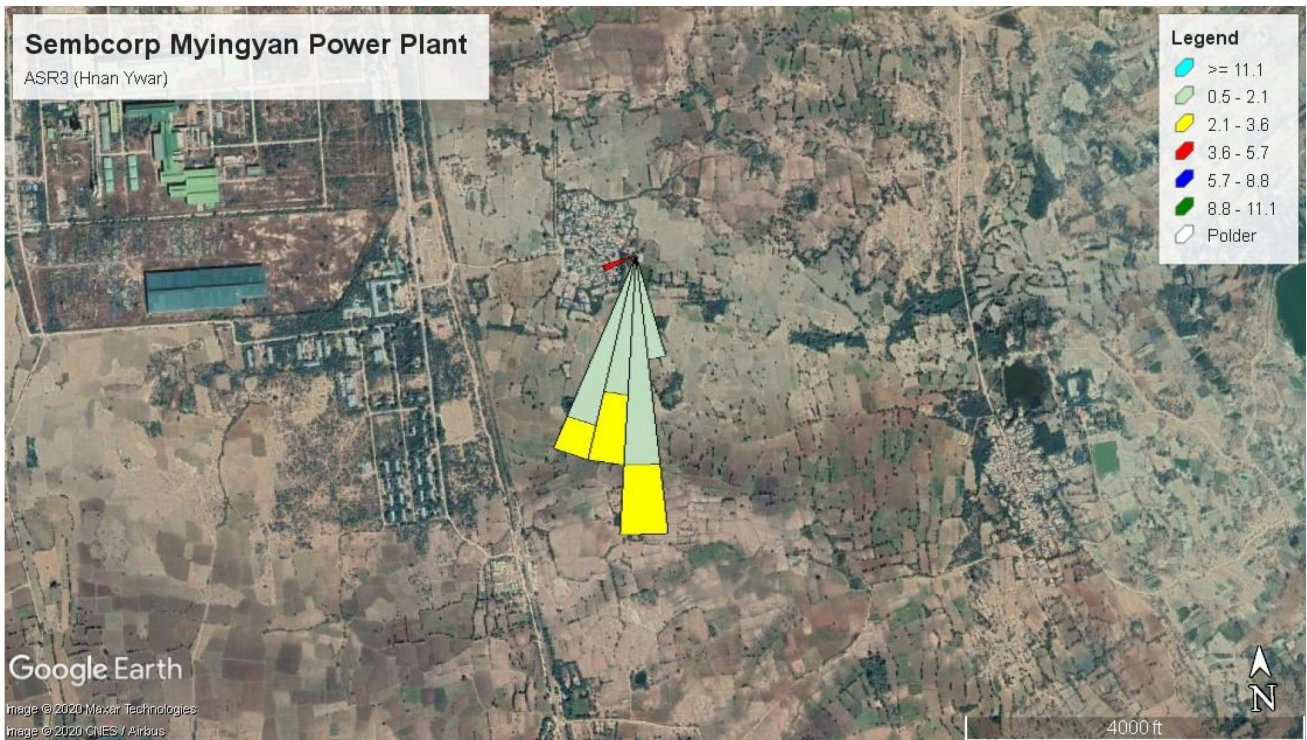


Figure 4. 11 Wind Speed and Wind Direction (Blowing From) at Hnan Ywa Village (ASR3)

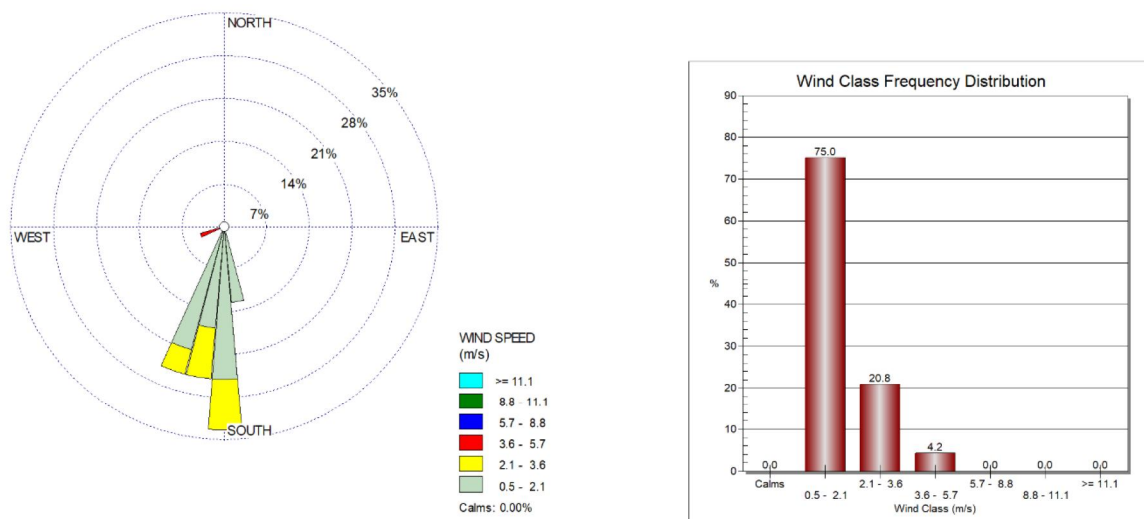


Figure 4. 12 Wind Class Frequency Distribution at Hnan Ywa Village (ASR3)



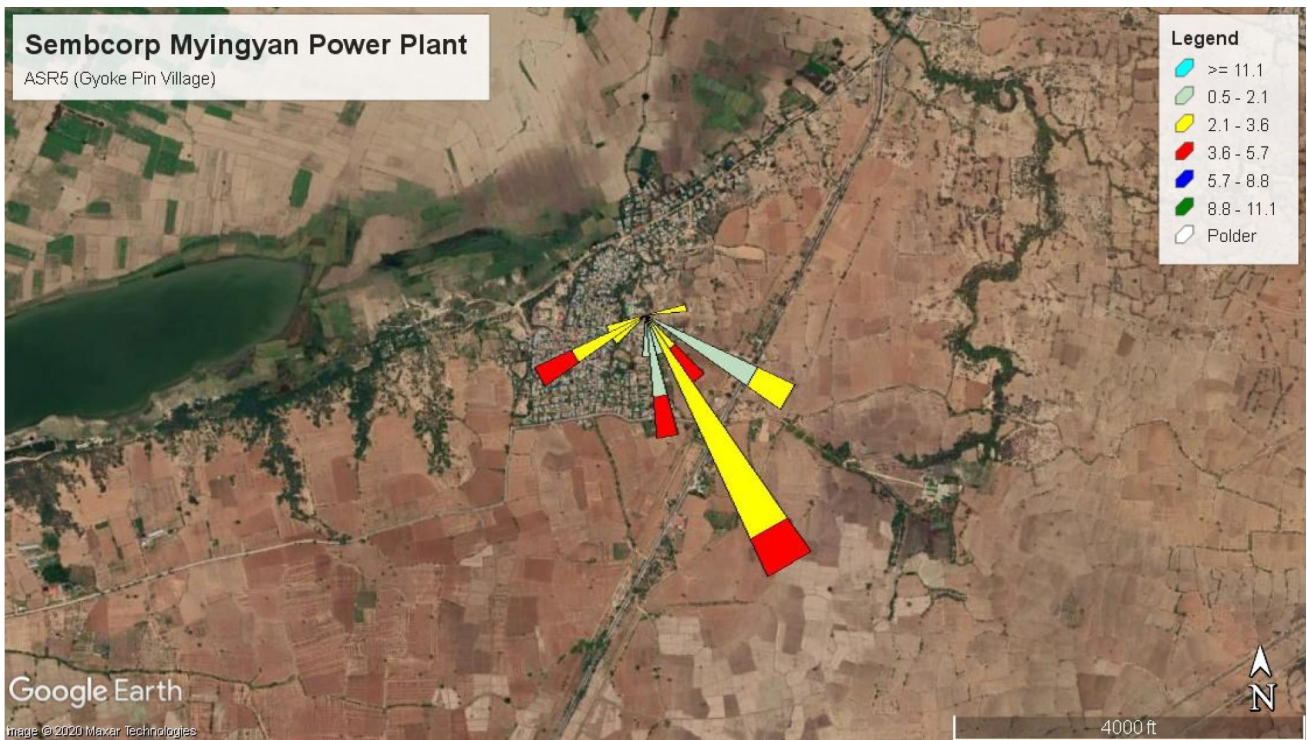


Figure 4. 13 Wind Speed and Wind Direction (Blowing From) at Gyoke Pin Village (ASR5)

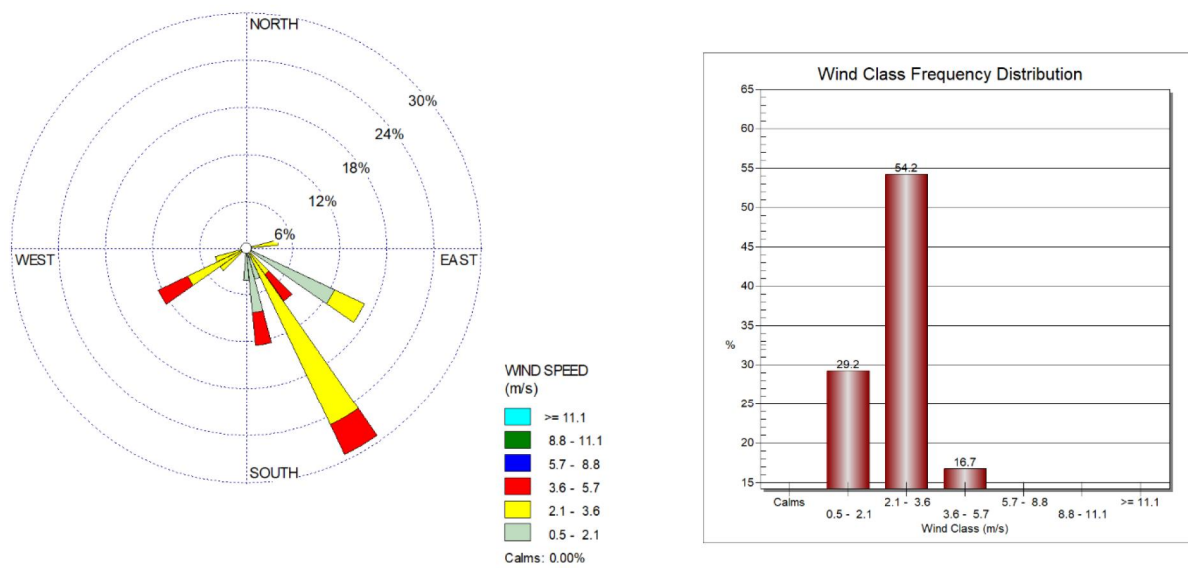


Figure 4. 14 Wind Class Frequency Distribution at Gyoke Pin Village (ASR5)

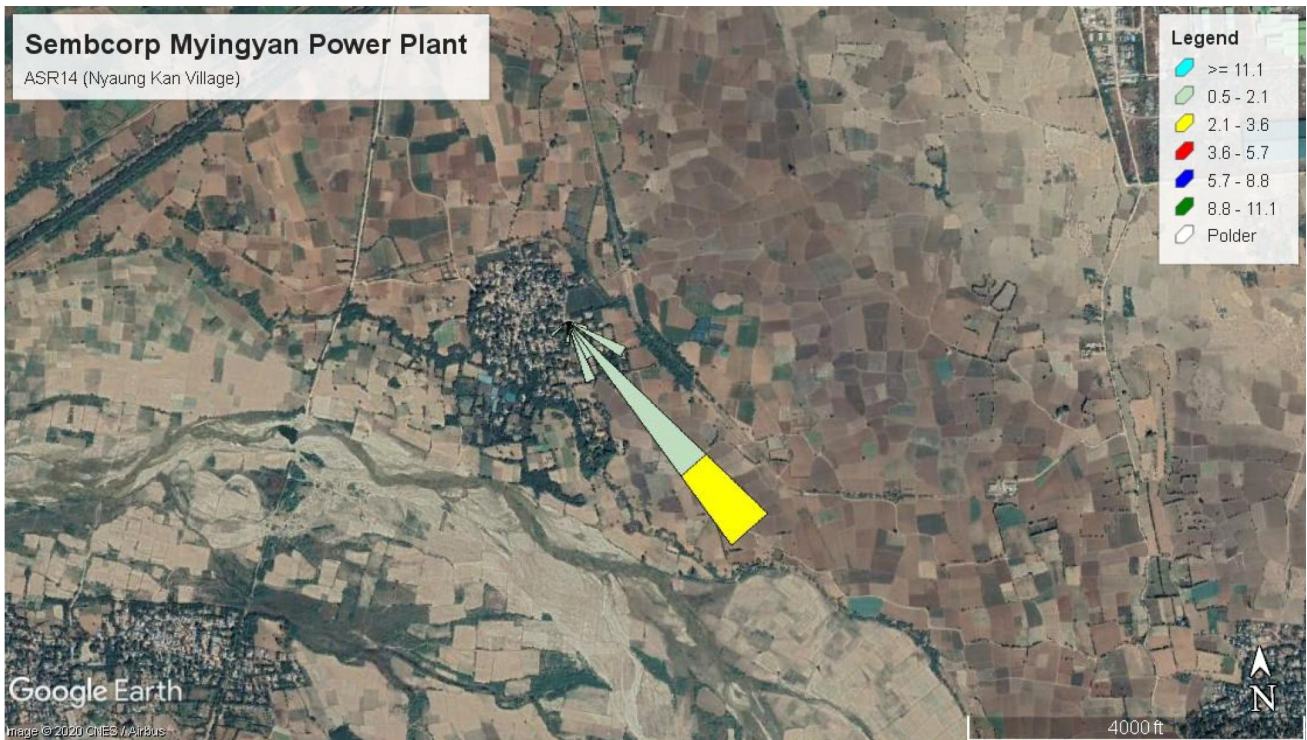


Figure 4. 15 Wind Speed and Wind Direction (Blowing From) at Nyaung Kan Village (ASR14)

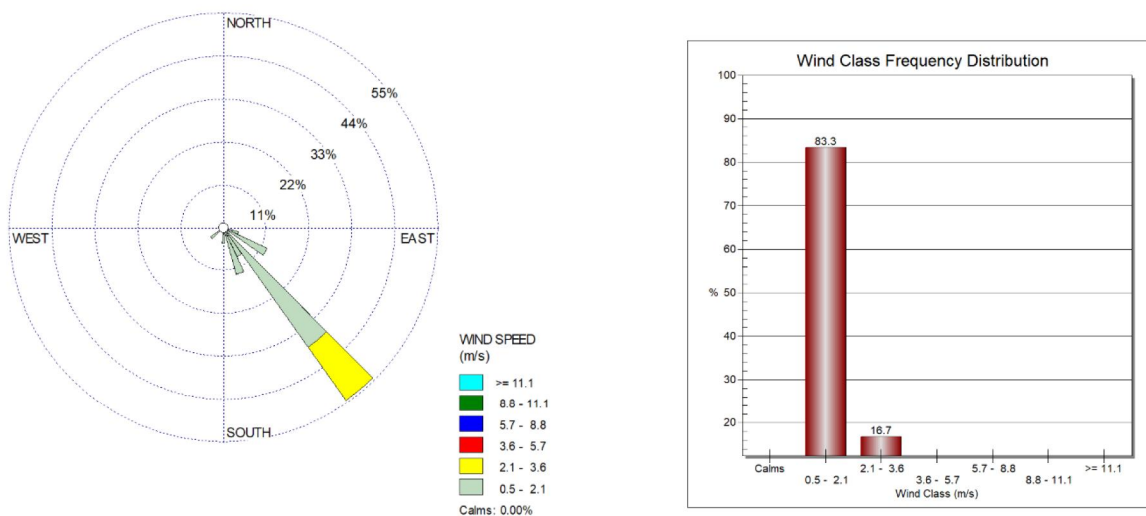


Figure 4. 16 Wind Class Frequency Distribution at Nyaung Kan Village (ASR14)

### 4.3 Ambient Noise

Ambient noise level for the proposed project was measured with Digital Sound Level Meter at the project site. The noise level measurement is conducted at Sembcorp Myingyan Power points: these points are nearly sembcorp myingyan power plant and air monitoring point at Sa Ka village on 29 June 2020 to 01 July 2020. Measuring period is 24 hours continuously. The observed values are described in Table 4. 6 to Table 4. 9 and the following figures are noise level measurement at the proposed project.

Table 4. 6 Observed Values of Noise Level Measurement at near Sembcorp Myingyan Power Plant

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
1	01.7.2020	7:00:13-7:59:13	44.38	A	Day	48.90
2	01.7.2020	8:00:13-8:59:13	53.33	A	Day	
3	01.7.2020	9:00:13-9:59:13	49.30	A	Day	
4	01.7.2020	10:00:13-10:59:13	46.37	A	Day	
5	30.6.2020	11:00:13-11:59:13	44.72	A	Day	
6	30.6.2020	12:00:13-12:59:13	43.26	A	Day	
7	30.6.2020	13:00:13-13:59:13	52.01	A	Day	
8	30.6.2020	14:00:13-14:59:13	51.32	A	Day	
9	30.6.2020	15:00:13-15:59:13	46.55	A	Day	
10	30.6.2020	16:00:13-16:59:13	50.04	A	Day	
11	30.6.2020	17:00:13-17:59:13	53.76	A	Day	
12	30.6.2020	18:00:13-18:59:13	53.84	A	Day	
13	30.6.2020	19:00:13-19:59:13	50.64	A	Day	
14	30.6.2020	20:00:13-20:59:13	46.84	A	Day	
15	30.6.2020	21:00:13-21:59:13	47.14	A	Day	
16	30.6.2020	22:00:13-22:59:13	44.83	A	Night	49.90
17	30.6.2020	23:00:13-23:59:13	53.88	A	Night	
18	01.7.2020	0:00:13-0:59:13	47.35	A	Night	
19	01.7.2020	1:00:13-1:59:13	47.71	A	Night	
20	01.7.2020	2:00:13-2:59:13	54.41	A	Night	
21	01.7.2020	3:00:13-3:59:13	53.37	A	Night	
22	01.7.2020	4:00:13-4:59:13	48.19	A	Night	
23	01.7.2020	5:00:13-5:59:13	51.10	A	Night	
24	01.7.2020	6:00:13-6:59:13	48.22	A	Night	
<b>Average</b>			<b>49.27</b>			



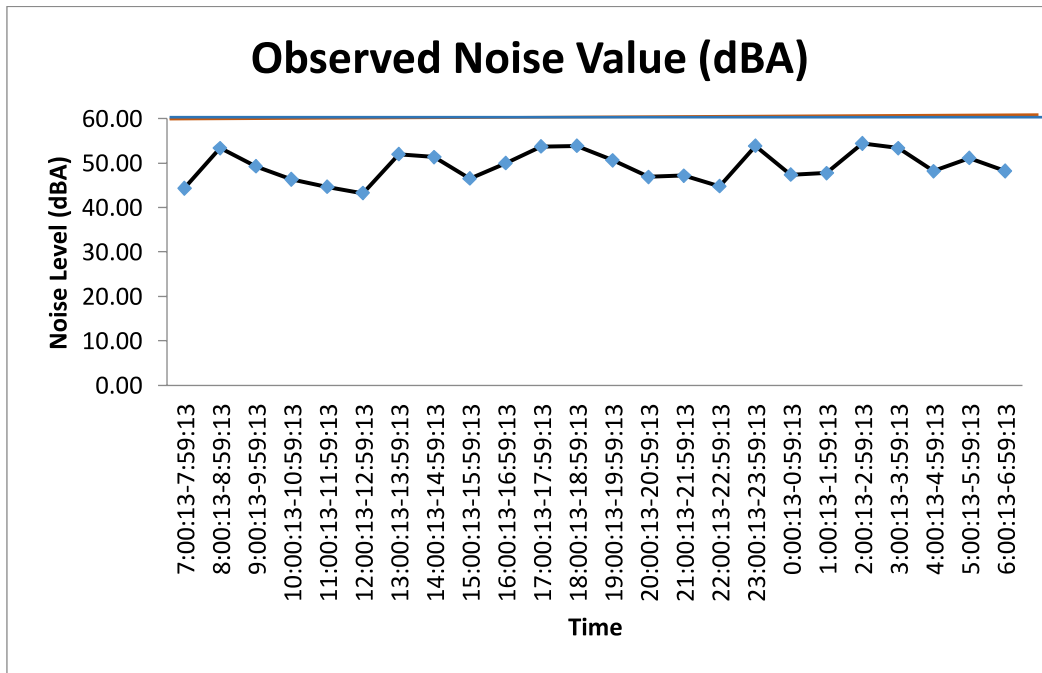


Figure 4. 17 Noise Level at near Sembcorp Myingyan Power Plant

Table 4. 7 Observed Values of Noise Level Measurement at Sa Ka Village

No.	Date	Time	Observed Mean Value (Source)	Weight	Day/Night	Average
1	30.6.2020	7:00:13-7:59:13	52.36	A	Day	45.71
2	30.6.2020	8:00:13-8:59:13	52.19	A	Day	
3	30.6.2020	9:00:13-9:59:13	52.26	A	Day	
4	29.6.2020	10:00:13-10:59:13	48.43	A	Day	
5	29.6.2020	11:00:13-11:59:13	43.27	A	Day	
6	29.6.2020	12:00:13-12:59:13	43.58	A	Day	
7	29.6.2020	13:00:13-13:59:13	41.92	A	Day	
8	29.6.2020	14:00:13-14:59:13	41.67	A	Day	
9	29.6.2020	15:00:13-15:59:13	39.25	A	Day	
10	29.6.2020	16:00:13-16:59:13	43.03	A	Day	
11	29.6.2020	17:00:13-17:59:13	45.14	A	Day	
12	29.6.2020	18:00:13-18:59:13	48.93	A	Day	
13	29.6.2020	19:00:13-19:59:13	47.39	A	Day	
14	29.6.2020	20:00:13-20:59:13	41.84	A	Day	
15	29.6.2020	21:00:13-21:59:13	44.36	A	Day	
16	29.6.2020	22:00:13-22:59:13	45.61	A	Night	48.74
17	29.6.2020	23:00:13-23:59:13	48.69	A	Night	
18	30.6.2020	0:00:13-0:59:13	49.45	A	Night	
19	30.6.2020	1:00:13-1:59:13	47.16	A	Night	
20	30.6.2020	2:00:13-2:59:13	47.47	A	Night	



21	30.6.2020	3:00:13-3:59:13	47.68	A	Night
22	30.6.2020	4:00:13-4:59:13	47.19	A	Night
23	30.6.2020	5:00:13-5:59:13	47.49	A	Night
24	30.6.2020	6:00:13-6:59:13	57.93	A	Night
<b>Average</b>			<b>46.85</b>		

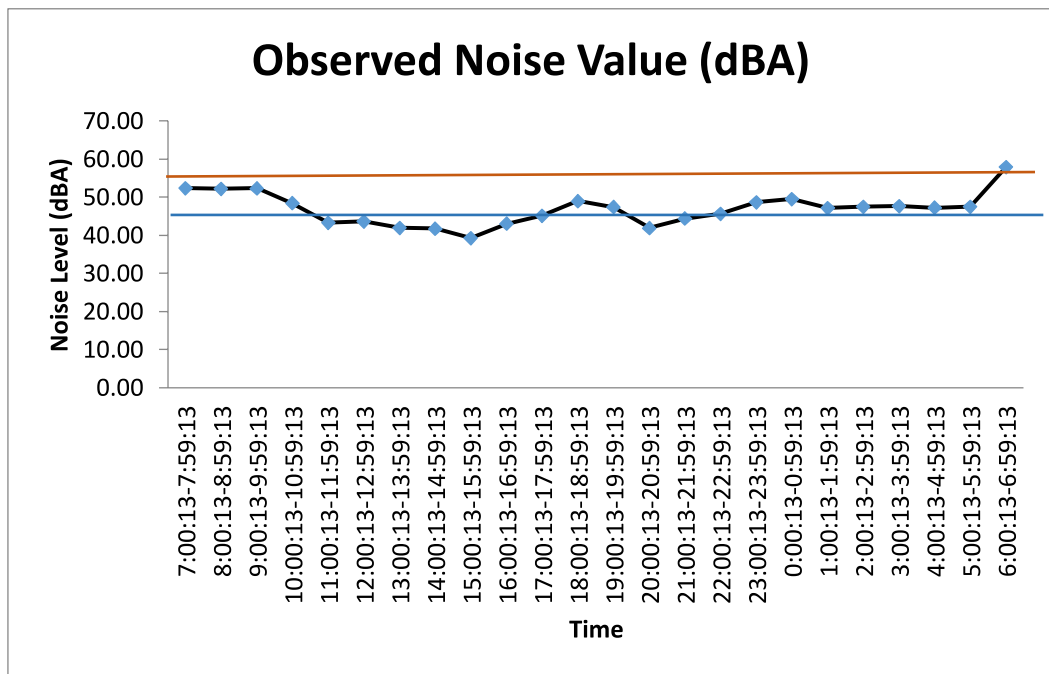


Figure 4. 18 Noise Level at Sa Ka Village

Table 4. 8 Observed Ambient Noise level Results from Myingyan Power Plant

Point	Sembcorp Myingyan Power Plant	
	Day Time	Night Time
Sembcorp Myingyan Power Plant	48.90	49.90
Guideline Values	70	70

Table 4. 9 Observed Ambient Noise level Results from Sa Ka Village

Point	Sembcorp Myingyan Power Plant	
	Day Time	Night Time
Sa Ka Village	45.71	48.74
Guideline Values	55	45

The observed values are compared with the National Environmental Quality (Emission) Guidelines as shown in **Table 4. 10** which indicates the separate level for residential and industrial points.

Table 4. 10 National Environmental Quality (Emission) Guidelines Values for Noise Level

Receptor	One Hour LAeq (dBA)	
	Daytime 07:00 - 22:00 (10:00 - 22:00 for Public Holidays)	Nighttime 22:00 - 07:00 (22:00 - 10:00 for Public Holidays)
Residential, institutional, educational	55	45
Industrial, commercial	70	70

The observed values of the proposed project for daytime at Sembcorp myingyan power plant and Sa Ka village are 48.90 dB (A) and 45.71 dB (A). The observed values of the proposed project for night time at Sembcorp myingyan power plant and Sa Ka village are 49.90 dB (A) and 48.74 dB (A). The proposed project is located adjacent to the residential and commercial area. The observed values of daytime and nighttime at sembcorp myingyan power plant are under the National Environmental Quality (Emission) Guidelines. The observed values of daytime at Sa Ka Village is under the National Environmental Quality (Emission) Guidelines. The observed values of nighttime at Sa Ka village is upper the National Environmental Quality (Emission) Guidelines because this monitoring location is Sa Ka North Monastery. This monastery have near road. This road is passing through motor cycle and cars. So, the observed values of nighttime at Sa Ka village is upper the National Environmental Quality (Emission) Guidelines. But, Sa Ka village is acceptable Applicable Operational Noise Criteria of 54 dB (A) from ESIA Report.

## APPENDIX A

### Description of Haz-scanner (EPAS)

# HAZ-SCANNER

## Wireless Environmental Perimeter Air Station **EPAS**

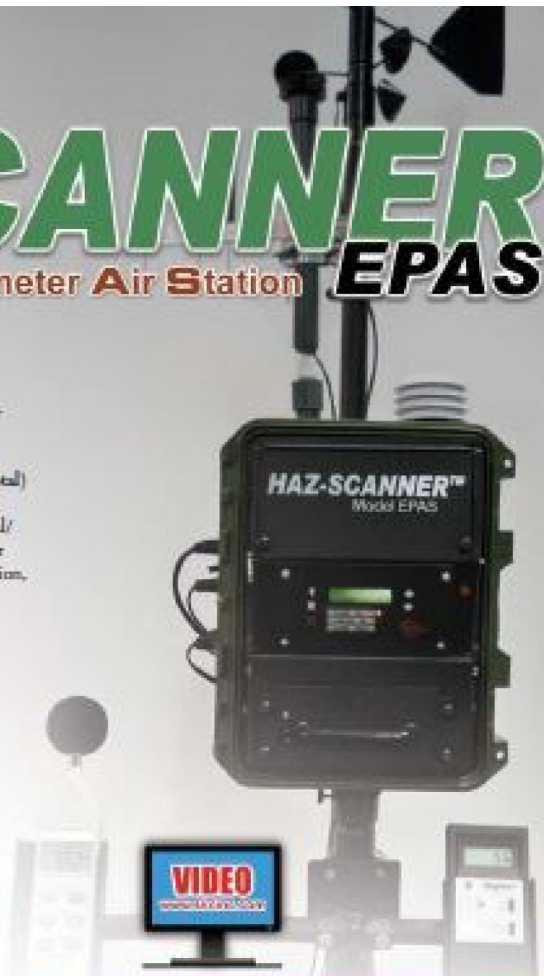
- Direct reading
- Build your own station with up to 14 simultaneous air measurements including U.S. EPA criteria air pollutants
  - Standard configuration measures 5 parameters including PM10 or TSP particulates, NO<sub>x</sub>, CO, temperature, and relative humidity
  - Add one or all optional interchangeable sensors with upgradable software and/or EPAS-specific meters (up to 9 sensors/meters total) as listed on the reverse side. Choose from additional sensors for toxic gas (including methane), hydrocarbons, VOCs, and biological/chemical agents and EPAS-specific meters for solar radiance/UV or IR, barometric pressure, sound/noise, atomic radiation, ELF radiation, rain, and wind speed/direction
  - Available analog input port for alternative meter
  - Interchangeable size-selective impactors are available for PM1.0, PM2.5, or PM4.0 (close approximation of respirable)
    - Can monitor up to 2 PM sizes simultaneously
- Real-time readings, datalogging capabilities
  - Optional wireless data transmission up to 5 miles
  - Optional Ethernet internet connection for 24/7 data reporting
- Easily portable and deployable
- Battery operated
- Network up to 8 EPAS to one central PC or Mac
- Easy-to-use graph and reporting software compatible with PC and Mac

The portable HAZ-SCANNER™ EPAS wireless environmental perimeter air station is easily deployed as an ambient air quality monitor to scan, measure, and document critical EPA criteria pollutants including nitrogen dioxide, carbon monoxide, sulfur dioxide, ozone, carbon dioxide, particulates, VOCs, and more. The EPAS is the only instrument on the market with sensors offering simultaneous monitoring of two different sizes of PM. The EPAS provides direct readings in real time with datalogging capabilities. The graph and reporting software is compatible with PC and Mac. Contact an SKC product specialist to build your EPAS including up to 14 simultaneous critical air measurements in one battery-operated instrument.

#### HAZ-SCANNER Wireless EPAS Applications

- Ambient air quality monitoring
- Hazardous incident response
- Waste site remediation monitoring
- Military/homeland security
- Perimeter monitoring
- Near roadway monitoring

Go to [www.skcinstr.com/prod/Haz-Scanner.asp](http://www.skcinstr.com/prod/Haz-Scanner.asp) for more information.



Measure up to 14 critical air parameters simultaneously with HAZ-SCANNER EPAS.



SKC Inc. 724-941-9701 SKC West 714-992-2790 SKC Gulf Coast 281-859-8050 SKC South 434-852-7148  
[www.skcinstr.com](http://www.skcinstr.com)

## HAZ-SCANNER EPAS

## Wireless Environmental Perimeter Air Station



HAZ-SCANNER EPAS shown with optional solar panels

## Performance Profile

The HAZ-SCANNER EPAS is optimized for ambient air applications; custom calibration for specific ranges or applications is available upon request.

Display	LCD real time
Operation	4-way splash-proof membrane switch
Power	12-V Absorption Glass Mat (AGM) rechargeable battery, 100-240 V AC, or optional solar panel
Display Measurements	Max, Min, TWA, STEL
Recording Time	1 sec to 21 weeks
Sampling Rate	1 sec, 1 min, 10 min, 1 hr, adjustable
Data Storage	4M 512 data points
Sampling Pump	1.0 to 3.0 L/min
Digital Output	RS-232 (PC), RS-422 (Max)
Software	PC or Mac
Enclosure (weather-proof case)	8 x 14 x 18 in (15.2 x 35.6 x 25.4 cm)
Weight	12 lbs (5.4 kg)
Operating Temperature	23 to 122 F (-5 to 50 C)
Storage Temperature	-20 to 140 F (-28 to 60 C)
Humidity	95% non-condensing (use mist heater)
Wireless Radio Modes	900 MHz (U.S.), 948 MHz (Euro) up to 5 miles - line of sight (optional)
Auxiliary Analog Input	0 to 2.5 VDC (1 channel for alternative meter)

## Configure an EPAS for Up to 14 Simultaneous Measurements

The standard HAZ-SCANNER EPAS includes the monitor (calibrated for ambient air applications) with sensors/meters for PM10 or TSP, VOCs, temperature, humidity, and wind speed/direction in a NEMA 4 enclosure, acid gas scrubber, internal battery, universal 110-240 V AC battery charger, software, cables, and CD with instructions.

Configure the monitor with additional sensors/meters — up to 4 optional interchangeable sensors with upgradable software and/ or up to 4 EPAS-specific meters (listed below). See page 3 for specifications. *Specify sensors and meters when ordering.*

- PM1.0, 2.5, or 4.0
- Ammonia (EC)
- Carbon Dioxide (NDIR)
- Carbon Monoxide (EC)
- Chlorine (EC)
- Ethylene Oxide (EL)
- Hydrocarbon (methane-specific, EC)
- Hydrocarbons (EC)
- Hydrogen Chloride (EL)
- Hydrogen Cyanide (EC)
- Hydrogen Sulfide (EC)
- Nitric Oxide (EC)
- Nitrogen Dioxide
- Oxygen
- Ozone
- Phosphine (EL)
- Sulfur Dioxide
- Rain
- Solar Radiance
- Sound and Noise
- Acoustic Radiation
- ELF Radiation
- Barometric Pressure
- Dew Point Temperature
- Wet Bulb Temperature

Contact SKC to build an EPAS with available sensors/meters/calibration for your application!

## SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcin.com/warranty.asp>.



SKC Inc. 724-941-9701 SKC-West 714-992-2780 SKC Gulf Coast 281-859-8050 SKC South 434-852-7149  
www.skcin.com



## HAZ-SCANNER EPAS

## Wireless Environmental Perimeter Air Station

## HAZ-SCANNER EPAS Sensor/Meter Specifications

Parameter	Sensor*	Measurement/ Concentration Range	Accuracy	Minimum Resolution	Display Resolution	Additional Information
Particulates	90° infrared light scattering	0 to 5000 µg/m <sup>3</sup>	Greater of $\pm 10\%$ of reading or 2% full scale	10 µg/m <sup>3</sup>	1 µg/m <sup>3</sup>	Measures particle sizes: 10 µm or TSP (standard) or 1, 2.5, or 4 µm (optional) in the 0.1 to 100 µm size range
VOCs	PID (10.6 eV)	0 to 50,000 ppb (0 to 50 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	5 ppb	1 ppb	Minimum detection level is 0.01 ppm. Standard sensor
Toxic Gas: NH <sub>3</sub> - Ammonia	Gas-sensing semiconductor (GSS) technology	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: CO <sub>2</sub> - Carbon Dioxide	NDIR	0 to 5000 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	50 ppm	1 ppm	Optional sensor
Toxic Gas: CO - Carbon Monoxide	Electrochemical	0 to 10,000 ppb (0 to 10 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	20 ppb	1 ppb	Optional sensor
Toxic Gas: Cl <sub>2</sub> - Chlorine	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: (C <sub>2</sub> H <sub>4</sub> O) - Ethylene Oxide	Electrochemical	0 to 1500 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	8 ppm	1 ppm	Optional sensor
Toxic Gas: Hydrocarbon, CH <sub>4</sub> - Methane-specific	NDIR	0 to 1% Vol., 0 to 10,000 ppm, 0 to 20% LEL	Greater of $\pm 10\%$ of reading or 2% full scale	$\pm 50$ ppm or 0.1% LEL	50 ppm/ 0.1% LEL	Optional sensor
Toxic Gas: (Non-methane) Hydrocarbons (HC)	NDIR	Calibrated for 0 to 20% LEL of selected gas	Greater of $\pm 10\%$ of reading or 2% full scale	$\pm 50$ ppm/ 0.1% LEL	50 ppm/ 0.1% LEL	Optional sensor - specify gas type when ordering: ethane, propane, butane, hexane, ethanol, ethylene, or ethylene oxide
Toxic Gas: HCl - Hydrogen Chloride	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: HCN - Hydrogen Cyanide	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: H <sub>2</sub> S - Hydrogen Sulfide	Electrochemical	0 to 25 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.15 ppm	0.1 ppm	Optional sensor
Toxic Gas: NO - Nitric Oxide	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: NO <sub>2</sub> - Nitrogen Dioxide	Electrochemical	0 to 5000 ppb (0 to 5 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	5 ppb	1 ppb	Optional sensor
Toxic Gas: O <sub>2</sub> - Oxygen	Electrochemical	0 to 30% Vol.	Greater of $\pm 10\%$ of reading or 2% full scale	0.6%	0.1%	Optional sensor
Toxic Gas: O <sub>3</sub> - Ozone	Gas-sensing semiconductor (GSS) technology	0 to 150 ppb (0 to 0.15 ppm), 0 to 500 ppb (0 to 0.5 ppm)	Greater of $\pm 10\%$ of reading or 2% full scale	1 ppb	1 ppb	Optional sensor
Toxic Gas: PH <sub>3</sub> - Phosphine	Electrochemical	0 to 100 ppm	Greater of $\pm 10\%$ of reading or 2% full scale	< 0.2 ppm	0.1 ppm	Optional sensor
Toxic Gas: SO <sub>2</sub> - Sulfur Dioxide	Electrochemical	0 to 5000 ppb (0 to 5 ppm) for ambient applications	Greater of $\pm 10\%$ of reading or 2% full scale	5 ppb	1 ppb	Optional sensor

\* Not approved for intrinsically safe applications; do not use in explosive gas environments.

Specifications continued on next page 



SKC Inc. 724-941-9701 SKC West 714-892-2780 SKC Gulf Coast 281-859-8050 SKC South 434-852-7149  
www.skcinstruments.com

## HAZ-SCANNER EPAS

## Wireless Environmental Perimeter Air Station

## HAZ-SCANNER EPAS Sensor/Meter Specifications (con't)

Parameter	Sensor*	Measurement/ Concentration Range	Accuracy	Minimum Resolution	Display Resolution	Additional Information
Rain Fall/ Precipitation	Rain gauge (heated, tipping bucket)	0 to 5 inches daily	$\pm 1\%$ at 2 in/hr	0.01 in	0.01 in/tp	Optional meter
Temperature	NTC thermister	-4 to 140 F (-20 to 60 C)	Greater of $\pm 3\%$ degree F or C of reading	1 degree F or C	1 degree F or C	Standard sensor
Relative Humidity (RH)	Thin-film capacitive	0 to 100% RH	$\pm 2\%$ RH	1% RH	1% RH	Standard sensor
Solar Radiance Intensity	Photodiode	1110 watts/ square meter (W/m <sup>2</sup> )	$\pm 5\%$ of full scale (reference Eppley PSP at 1000 W/m <sup>2</sup> )	1 W/m <sup>2</sup>	1 W/m <sup>2</sup>	Optional meter
Sound and Noise	Type 2 SLM	30 to 130 deci- bels (dB)	$\pm 1.5$ dB	0.1 dB	1 dB	Optional meter
Atomic Radiation	Geiger counter	1 to 19 999 counts per minute (cpm) or 0.001 to 100 milliRad/hr	$\pm 10\%$ Typical $\pm 15\%$ Max.	1 cpm or .001 mR/hr	1 cpm or .001 mR/hr	Optional meter
ELF Radiation	Sensor with single- axis probe	1 to 200 gauss (G)	$\pm 10\%$ or 5% FS	1 G	1 G	Optional meter
Wind Speed/ Direction	3-cut anemometer/ continuous rotation potentiometric wind direction vane	0 to 125 mph/ 5 to 365°	$\pm 1$ mph or $\pm 8\%$ $\pm 3^\circ$	1 mph/1°	1 mph/1°	Standard sensor
Barometric Pressure	Piezo resistive	28.25 to 30.75 in Hg	$\pm 0.09$ in Hg	0.01 in Hg	0.01 in Hg	Optional sensor
Dew Point Temperature	Software calcula- tion from RH and temperature	3.2 to 122 F (-16 to 50 C)	$\pm 3$ F	1 F	1 F	Optional meter - software calculated
Wet Bulb Temperature	Capaculated therm- ister with wick	3.2 to 122 F (-16 to 50 C)	$\pm 3$ F	1 F	1 F	Optional meter - one meter

\* Not approved for intrinsically safe applications; do not use in explosive gas environments.



Calibration Certificate for Haz-scanner



*Calibration Certificate*

Customer	Eguard
System Model	EPAS
System Serial	915081
Calibration Date	2018 April 21

Sensor	Low	Actual	High	Actual
CO	0 ppm	0 ppm	10 ppm	8,2 ppm
CO2	0 ppm	0 ppm	300 ppm	250 ppm
SO2	0 ppm	0 ppm	2 ppm	1.5 ppm
NO2	0 ppm	0 ppm	3 ppm	2.1 ppm
PMA	0 ug/m3	0 ug/m3	23400 ug/m3	21100 ug/m3
PMB	0 ug/m3	0 ug/m3	21000 ug/m3	19100 ug/m3

Temperature            22 deg C  
 Relative Humidity    32%

*Note*  
 # Perform by EDC technician's instruction.  
 # This instrument is manufactured by Environmental Device Corporation ( USA ).



**Perform by**

Nanda Maung	Technical Service Engineer	Nanova Co;ltd
-------------	----------------------------	---------------

**Yangon Office**  
 22A , Shan Yeik Thor Street , Sanchaung Township.  
 01-2304901 , 01-2304902  
 Help Line - 0997747774



## APPENDIX B

### Field Photos

Air Monitoring Point at Sa Ka Village

(ASR4)

Lat- 21°23'48.591", Long- 95°23'0.849"

29.6.2020 to 30.6.2020



Air Monitoring Point at Hnan Ywa Village

(ASR3)

Lat- 21°22'17.565", Long- 95°23'18.116"

30.6.2020 to 01.7.2020





Air Monitoring Point at Gyoke Pin Village

(ASR5)

Lat- 21°24'21.888", Long- 95°21'07.381"

01.7.2020 to 02.7.2020



Air Monitoring Point at Nyaung Kan Village

(ASR14)

Lat- 21°21'58.048", Long- 95°20'51.346"

02.7.2020 to 03.7.2020



**Informed Letter**

To

**Mr. Tin Maung Thein**

Reference No: 112/Eguard/2020

Date: 7<sup>th</sup> October, 2020.

**Subject                      Informing for Environmental Quality Measurement**

**Reference                    MOHS Order No 107/2020**

With regards to above matter, E guard would like to inform you that our Environmental Quality Monitoring Team will not be conducted measurement for the month September due to the serious effects of COVID-19 and lock down announcement by the MOHS Order No 107/2020.



Aye Thiha  
Managing Director  
E guard Environmental Services



# Annex 1 - NOx

## Unit 1 NO<sub>x</sub> (ppmv) - January 2020

Time	01-Jan	02-Jan	03-Jan	04-Jan	05-Jan	06-Jan	07-Jan	08-Jan	09-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	Remarks
00:00 - 00:59	15.38	15.50	15.79	0.00	15.60	15.65	15.29	15.32	16.62	16.39	16.23	16.04	16.57	13.85	14.04	Compliant
01:00 - 01:59	15.33	15.50	15.74	0.00	15.79	15.70	15.17	15.37	16.82	16.51	16.17	15.98	16.43	13.73	13.82	Compliant
02:00 - 02:59	15.45	15.60	15.61	0.00	15.80	15.58	15.21	15.32	16.44	16.44	16.08	15.87	16.40	13.22	13.48	Compliant
03:00 - 03:59	15.40	15.56	15.64	0.00	15.68	15.53	15.31	15.28	16.88	16.44	15.87	15.71	16.36	13.54	13.68	Compliant
04:00 - 04:59	15.39	15.40	15.71	0.00	15.73	15.82	15.20	15.44	16.84	16.57	16.34	16.08	16.28	13.86	13.88	Compliant
05:00 - 05:59	15.33	15.37	15.70	0.00	15.60	15.62	15.64	15.61	16.63	16.67	16.34	16.06	16.04	14.13	13.99	Compliant
06:00 - 06:59	15.22	15.42	15.68	20.41	15.62	15.31	15.84	15.65	16.72	16.73	16.31	16.20	16.08	14.37	14.04	Compliant
07:00 - 07:59	15.22	15.64	15.83	21.15	15.66	15.23	15.71	15.35	16.68	16.68	15.85	16.24	16.03	14.36	13.83	Compliant
08:00 - 08:59	14.92	15.63	15.57	22.43	15.45	15.35	15.90	15.04	16.65	16.57	16.00	16.07	15.93	14.20	13.75	Compliant
09:00 - 09:59	15.11	15.60	15.47	18.31	15.43	15.30	15.49	15.42	16.55	16.56	15.93	16.09	16.05	14.15	13.97	Compliant
10:00 - 10:59	15.12	15.52	15.55	15.74	15.58	15.37	14.41	15.39	16.57	16.35	15.86	16.07	13.45	14.09	13.90	Compliant
11:00 - 11:59	15.11	15.59	15.62	15.63	15.74	15.61	15.86	15.86	16.69	16.36	15.97	16.03	13.54	14.14	14.00	Compliant
12:00 - 12:59	15.22	15.69	15.70	15.42	15.76	15.74	15.62	15.36	16.93	16.53	16.22	16.12	13.64	14.35	14.11	Compliant
13:00 - 13:59	15.29	15.61	15.74	15.49	15.80	15.88	15.47	15.29	17.04	16.73	16.43	16.24	13.76	14.64	14.25	Compliant
14:00 - 14:59	15.35	15.71	15.79	15.44	15.86	15.81	15.29	15.04	17.23	16.73	16.52	16.22	13.84	14.60	14.36	Compliant
15:00 - 15:59	15.40	15.67	15.78	15.50	15.97	15.72	15.36	16.06	17.45	16.88	16.57	16.36	13.93	14.70	14.49	Compliant
16:00 - 16:59	15.44	15.81	15.49	15.48	16.01	15.63	15.41	17.45	17.26	16.94	16.64	16.35	13.99	14.71	14.48	Compliant
17:00 - 17:59	15.52	15.84	15.42	15.29	16.04	15.66	15.23	17.63	17.40	16.76	16.67	16.38	13.96	14.67	14.61	Compliant
18:00 - 18:59	15.46	15.86	15.43	15.83	15.96	15.58	15.83	17.64	17.22	16.89	16.63	16.33	13.93	14.61	14.46	Compliant
19:00 - 19:59	15.40	15.82	15.40	16.05	15.93	15.53	15.28	17.46	16.97	16.67	16.59	16.25	13.95	14.50	14.23	Compliant
20:00 - 20:59	15.40	15.82	0.00	15.70	15.91	15.40	15.19	17.32	16.76	16.42	16.52	15.85	13.85	14.34	14.15	Compliant
21:00 - 21:59	15.28	15.81	0.00	15.68	15.90	15.29	15.33	17.09	16.38	16.17	16.54	15.94	13.49	14.09	14.10	Compliant
22:00 - 22:59	15.19	15.59	0.00	15.78	15.73	15.47	15.21	16.79	16.24	16.09	15.95	15.98	13.68	14.11	13.91	Compliant
23:00 - 23:59	15.65	15.81	0.00	15.61	15.35	15.47	15.16	17.11	16.31	16.16	15.98	16.68	13.67	14.16	13.73	Compliant

Time	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan	28-Jan	29-Jan	30-Jan	31-Jan	Remarks
00:00 - 00:59	13.81	14.03	13.92	14.11	13.72	13.81	13.38	14.00	13.84	14.05	14.52	14.28	14.19	15.95	15.81	15.81	Compliant
01:00 - 01:59	13.82	13.96	13.97	14.24	13.95	13.83	13.80	14.04	13.84	14.21	14.27	14.25	14.20	16.01	16.08	15.63	Compliant
02:00 - 02:59	13.82	14.03	13.75	14.49	14.23	13.74	13.70	14.53	13.69	14.32	14.18	14.24	14.10	16.04	15.87	15.56	Compliant
03:00 - 03:59	13.86	14.12	13.73	14.20	14.21	13.55	13.91	13.71	13.70	14.13	13.78	14.00	14.08	16.00	15.69	15.29	Compliant
04:00 - 04:59	13.85	14.81	14.01	13.77	13.92	14.00	13.78	13.91	13.85	13.98	13.92	13.92	13.84	15.59	15.32	14.87	Compliant
05:00 - 05:59	13.98	14.82	13.98	13.93	13.88	13.94	13.80	13.99	13.90	13.79	13.80	13.66	13.82	15.54	15.32	15.09	Compliant
06:00 - 06:59	13.99	14.79	14.06	14.16	13.84	13.88	13.84	14.03	13.89	14.00	13.96	13.97	13.95	15.88	15.39	15.05	Compliant
07:00 - 07:59	13.94	14.77	13.71	14.20	13.79	13.96	13.75	14.01	13.90	13.87	14.10	14.17	13.85	15.47	15.59	15.08	Compliant
08:00 - 08:59	13.92	14.70	13.81	14.19	13.77	13.96	13.47	14.07	14.00	13.69	14.01	14.03	13.64	15.46	15.93	15.00	Compliant
09:00 - 09:59	13.84	14.62	13.95	14.10	13.79	13.84	13.93	14.28	13.91	13.94	14.04	14.15	13.83	15.80	16.25	14.89	Compliant
10:00 - 10:59	13.84	14.70	13.93	14.10	13.97	13.72	13.84	14.20	13.91	14.00	14.06	14.11	13.82	15.81	15.96	14.97	Compliant
11:00 - 11:59	14.04	14.92	14.07	14.22	14.11	13.86	13.92	14.29	14.00	13.99	14.03	14.10	13.86	15.83	15.96	15.16	Compliant
12:00 - 12:59	14.33	14.99	14.03	14.34	14.36	14.06	14.14	14.27	14.32	13.89	13.82	14.12	13.93	15.93	16.08	15.46	Compliant
13:00 - 13:59	14.46	15.07	14.30	14.27	14.30	14.32	14.29	14.40	14.32	14.00	13.58	14.22	13.88	15.99	16.18	15.71	Compliant
14:00 - 14:59	14.54	14.97	14.25	14.25	14.19	14.27	14.22	14.32	14.42	13.94	13.81	14.28	0.00	16.04	16.41	15.88	Compliant
15:00 - 15:59	14.66	14.76	14.28	14.22	14.32	14.11	14.31	14.46	14.47	13.92	13.83	14.38	15.53	16.06	16.56	15.98	Compliant
16:00 - 16:59	14.53	14.65	14.32	14.15	14.35	14.18	14.30	14.48	14.36	14.08	14.04	14.44	15.65	16.15	39.19	16.01	Low Load
17:00 - 17:59	14.66	14.46	14.25	14.15	14.36	14.24	14.39	14.81	14.32	14.05	14.08	14.45	15.72	16.24	25.49	15.94	Low Load
18:00 - 18:59	14.75	14.49	14.43	14.25	14.39	14.27	14.35	14.80	14.27	14.06	14.08	14.52	15.90	16.27	14.96	16.22	Compliant
19:00 - 19:59	14.71	14.57	14.43	14.34	14.28	14.26	14.31	14.61	14.14	14.11	14.06	14.55	15.75	15.97	16.32	16.29	Compliant
20:00 - 20:59	14.57	14.45	14.25	14.32	14.08	14.18	14.25	14.38	14.00	14.11	13.82	14.44	15.63	15.90	16.14	16.36	Compliant
21:00 - 21:59	14.45	14.25	14.21	14.13	14.05	14.00	14.21	14.31	14.00	13.92	13.81	14.05	15.28	15.59	15.84	16.19	Compliant
22:00 - 22:59	14.45	14.16	14.17	13.95	13.84	13.87	13.84	13.99	13.40	13.65	13.74	13.84	15.80	15.12	15.79	15.84	Compliant
23:00 - 23:59	14.33	13.97	14.04	13.64	13.76	13.78	13.76	13.75	13.77	13.86	14.26	14.32	16.09	15.72	15.61	15.84	Compliant

**Unit 1 NO<sub>x</sub> (ppmv) - February 2020**

Time	01-Feb	02-Feb	03-Feb	04-Feb	05-Feb	06-Feb	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	Remarks
00:00 - 00:59	16.1	15.2	15.0	15.4	15.6	15.6	15.4	15.8	16.1	15.8	15.5	15.4	15.7	16.0	Compliant
01:00 - 01:59	16.1	15.2	15.5	15.4	15.6	16.1	15.4	15.7	16.0	16.0	15.5	15.5	15.9	16.2	Compliant
02:00 - 02:59	16.0	15.6	16.1	15.2	15.6	16.5	15.3	15.6	16.1	16.1	15.2	15.0	16.0	15.9	Compliant
03:00 - 03:59	16.1	15.9	15.7	15.5	15.1	15.5	15.0	15.3	15.9	16.3	15.1	14.9	15.8	15.5	Compliant
04:00 - 04:59	15.4	15.5	15.2	15.4	15.6	14.8	15.0	15.4	15.8	15.8	15.2	15.0	15.2	14.6	Compliant
05:00 - 05:59	15.1	14.9	15.1	15.3	15.6	15.3	15.2	15.4	15.9	15.6	15.2	15.2	15.0	15.1	Compliant
06:00 - 06:59	14.9	14.9	15.0	15.4	15.8	15.4	15.3	15.3	15.9	15.5	15.1	14.9	14.9	15.0	Compliant
07:00 - 07:59	14.7	15.1	15.0	15.6	15.7	15.4	15.2	15.2	15.7	15.5	15.0	14.9	14.8	14.8	Compliant
08:00 - 08:59	14.4	14.9	14.8	15.6	15.5	15.4	15.2	15.3	15.7	15.5	14.8	14.5	14.7	14.7	Compliant
09:00 - 09:59	14.8	14.8	14.8	15.6	15.5	15.4	15.2	15.6	15.7	15.6	14.9	14.9	14.5	14.6	Compliant
10:00 - 10:59	14.9	14.8	15.1	15.8	15.4	15.4	15.4	15.7	15.9	15.7	15.2	15.0	14.7	14.7	Compliant
11:00 - 11:59	15.1	15.0	14.9	16.0	15.8	15.5	15.5	15.9	16.2	15.7	15.4	15.2	14.9	15.1	Compliant
12:00 - 12:59	15.3	15.4	15.0	16.1	15.9	15.7	15.8	16.1	16.2	15.5	15.6	15.5	15.4	15.4	Compliant
13:00 - 13:59	15.5	15.5	15.3	16.2	16.0	15.7	15.9	16.1	16.3	15.6	15.8	15.7	15.7	15.6	Compliant
14:00 - 14:59	15.6	15.5	15.2	16.3	16.1	15.8	15.8	16.1	16.2	15.7	15.8	15.7	15.6	15.7	Compliant
15:00 - 15:59	15.6	15.6	15.3	16.1	16.0	15.8	15.9	16.1	16.2	15.7	15.8	15.8	15.4	15.6	Compliant
16:00 - 16:59	15.8	15.7	15.4	16.2	16.0	15.8	15.9	16.1	16.2	15.8	15.9	15.7	15.5	15.6	Compliant
17:00 - 17:59	15.7	15.8	15.3	16.3	16.2	15.9	16.0	16.3	16.4	15.8	16.0	15.8	15.6	15.6	Compliant
18:00 - 18:59	15.6	15.8	15.5	16.5	16.3	15.8	16.1	16.1	16.4	15.8	15.9	15.6	15.5	15.6	Compliant
19:00 - 19:59	15.8	15.9	15.5	16.4	16.2	15.8	16.1	16.0	16.4	15.8	15.8	15.6	15.6	15.7	Compliant
20:00 - 20:59	15.7	15.8	15.4	16.4	16.1	16.0	16.1	16.2	16.5	15.7	15.8	15.5	15.7	15.8	Compliant
21:00 - 21:59	15.7	15.7	15.3	16.3	16.1	16.2	15.9	16.2	16.6	15.6	15.6	15.5	15.7	15.9	Compliant
22:00 - 22:59	15.5	15.7	15.5	16.1	15.8	15.7	15.8	16.1	16.2	15.3	15.7	15.4	15.2	15.3	Compliant
23:00 - 23:59	15.3	15.4	15.1	15.9	15.7	15.3	15.8	16.2	15.9	15.1	15.7	15.4	15.4	15.5	Compliant

Time	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb	29-Feb	Remarks
00:00 - 00:59	15.3	16.0	16.6	15.9	15.2	14.4	14.5	14.7	0.0	16.5	16.3	16.0	15.8	15.1	15.8	Compliant
01:00 - 01:59	15.4	16.1	16.6	15.4	15.1	14.2	14.1	14.8	0.0	16.7	16.0	15.7	15.9	15.4	15.6	Compliant
02:00 - 02:59	15.3	16.0	16.3	15.3	15.2	14.3	14.5	14.9	0.0	16.8	16.0	15.8	15.8	15.4	15.4	Compliant
03:00 - 03:59	15.2	16.2	16.1	15.2	15.1	14.4	14.1	14.4	0.0	16.5	16.0	15.7	15.5	15.3	15.2	Compliant
04:00 - 04:59	15.3	15.8	15.5	14.7	14.9	14.1	13.9	14.7	0.0	16.5	15.8	15.4	15.3	15.2	15.1	Compliant
05:00 - 05:59	15.2	15.2	15.2	14.5	14.7	14.0	14.2	14.6	0.0	16.5	15.6	15.3	15.2	15.1	15.1	Compliant
06:00 - 06:59	15.2	15.0	15.1	14.3	14.6	14.0	14.0	14.6	0.0	16.5	15.3	15.0	15.0	15.1	14.9	Compliant
07:00 - 07:59	15.2	14.9	15.1	14.8	14.1	13.7	13.7	14.5	0.0	16.4	15.2	14.7	14.9	15.1	14.4	Compliant
08:00 - 08:59	14.7	14.9	15.1	14.7	13.9	13.4	13.8	14.4	0.0	16.4	15.2	14.2	14.9	15.0	14.3	Compliant
09:00 - 09:59	15.2	14.7	15.4	14.4	14.1	13.7	14.2	14.8	27.1	16.5	15.2	15.1	14.9	15.0	14.6	Low Load
10:00 - 10:59	15.5	15.1	15.6	14.3	14.5	14.3	14.3	15.1	18.6	16.4	15.3	15.3	15.0	15.0	14.9	Compliant
11:00 - 11:59	15.8	15.4	15.8	14.6	14.7	14.5	14.6	15.2	15.4	16.4	15.5	15.4	15.2	15.1	15.1	Compliant
12:00 - 12:59	16.1	15.6	16.0	14.8	15.0	14.5	14.9	15.2	15.4	16.5	15.3	15.5	15.3	15.2	15.2	Compliant
13:00 - 13:59	16.2	15.8	16.0	14.9	15.4	14.7	15.1	15.3	15.7	16.7	15.6	15.8	15.6	15.4	15.5	Compliant
14:00 - 14:59	16.3	16.0	15.8	15.1	15.6	14.9	15.2	15.5	15.8	16.8	15.6	16.2	15.8	15.5	15.8	Compliant
15:00 - 15:59	16.1	15.7	15.7	15.7	15.8	15.0	15.4	15.5	16.1	16.6	15.7	16.3	16.0	15.7	15.9	Compliant
16:00 - 16:59	15.9	15.6	15.7	15.6	16.0	15.1	15.5	15.3	16.2	16.9	16.1	16.1	16.0	15.7	15.9	Compliant
17:00 - 17:59	15.7	15.5	15.8	15.4	16.0	15.5	15.8	15.5	17.1	17.0	16.3	16.0	16.1	15.8	16.0	Compliant
18:00 - 18:59	15.9	15.6	15.3	15.5	15.9	15.2	16.2	15.8	17.2	17.1	16.3	16.4	16.2	15.8	16.2	Compliant
19:00 - 19:59	16.0	15.7	15.4	15.6	15.7	15.3	16.4	15.6	17.9	16.9	16.5	16.6	16.2	15.8	16.2	Compliant
20:00 - 20:59	15.8	15.8	15.8	15.6	15.6	15.3	16.4	15.5	17.8	16.7	16.6	17.3	16.1	15.8	16.1	Compliant
21:00 - 21:59	15.9	15.7	16.1	15.4	15.4	15.2	16.0	15.5	17.9	16.8	16.6	17.3	15.9	15.8	15.9	Compliant
22:00 - 22:59	15.6	15.7	15.8	15.2	15.3	15.2	15.5	15.6	17.6	16.5	16.2	16.8	15.8	15.7	16.0	Compliant
23:00 - 23:59	15.3	16.2	15.8	15.0	14.6	14.6	14.9	22.2	16.6	16.4	16.1	16.2	15.4	15.7	16.1	Compliant



### Unit 1 NOx (ppmv) - March 2020

Time	01-Mar	02-Mar	03-Mar	04-Mar	05-Mar	06-Mar	07-Mar	08-Mar	09-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	Remarks
00:00 - 00:59	15.7	15.4	14.9	16.4	16.5	16.7	16.9	17.0	16.1	16.5	15.9	16.9	16.9	16.9	16.7	Compliant
01:00 - 01:59	15.6	15.1	15.2	16.5	16.4	16.8	16.9	16.4	16.2	16.6	15.4	16.8	16.1	17.0	16.8	Compliant
02:00 - 02:59	15.1	16.3	15.6	16.4	15.9	16.6	17.0	15.6	16.6	15.7	15.6	17.0	16.7	17.0	16.6	Compliant
03:00 - 03:59	14.7	16.5	15.4	16.5	15.7	16.7	16.9	16.2	16.4	15.8	15.6	17.3	16.7	16.9	16.9	Compliant
04:00 - 04:59	15.2	15.8	14.8	16.7	16.0	16.7	16.7	16.5	16.4	16.2	15.6	17.2	16.6	16.9	16.7	Compliant
05:00 - 05:59	15.1	15.1	14.8	16.6	16.0	16.5	16.7	16.7	16.8	16.2	15.3	17.1	16.9	16.9	16.6	Compliant
06:00 - 06:59	15.1	15.0	14.8	16.4	16.1	16.4	16.5	16.5	16.6	16.1	15.1	17.1	17.3	16.7	16.6	Compliant
07:00 - 07:59	15.0	14.8	15.0	16.2	15.9	16.2	16.1	16.7	16.3	15.9	14.9	16.9	17.0	16.6	16.5	Compliant
08:00 - 08:59	14.8	14.4	14.7	16.1	15.7	16.3	16.0	16.4	15.9	15.7	14.5	16.9	17.0	15.9	16.4	Compliant
09:00 - 09:59	14.8	14.5	14.3	16.1	15.8	16.1	16.3	16.3	15.8	15.5	14.5	16.6	16.9	16.5	16.2	Compliant
10:00 - 10:59	14.8	14.3	14.1	15.4	15.9	16.1	16.2	15.9	15.8	15.5	14.9	16.5	16.7	16.3	16.1	Compliant
11:00 - 11:59	15.0	14.2	14.4	15.9	15.9	16.3	17.0	16.0	15.9	14.8	15.0	16.4	16.6	16.4	16.1	Compliant
12:00 - 12:59	15.2	14.4	14.8	15.7	16.2	16.3	17.5	16.1	16.2	15.0	15.2	16.5	16.4	16.4	16.2	Compliant
13:00 - 13:59	15.5	14.4	14.8	15.8	16.4	16.6	17.7	16.5	16.1	15.2	15.8	16.5	16.2	16.3	16.1	Compliant
14:00 - 14:59	15.6	14.1	14.7	16.3	16.4	16.6	17.8	16.4	16.4	15.5	16.0	16.5	16.2	16.1	16.1	Compliant
15:00 - 15:59	15.8	14.0	14.5	16.5	16.5	17.0	18.2	16.5	16.5	15.5	16.2	16.5	16.0	15.8	15.8	Compliant
16:00 - 16:59	15.9	13.8	18.2	16.6	16.5	16.7	18.4	16.7	16.7	15.5	16.1	17.1	16.0	15.9	15.6	Compliant
17:00 - 17:59	16.0	13.7	18.6	16.7	16.8	16.9	18.6	16.9	16.7	15.5	16.2	16.6	16.0	15.3	15.6	Compliant
18:00 - 18:59	16.1	13.8	16.1	16.9	16.8	17.2	18.6	16.9	16.6	15.7	16.2	16.2	16.0	15.3	15.7	Compliant
19:00 - 19:59	16.3	14.2	17.3	16.9	17.0	17.5	18.5	17.1	16.9	15.9	16.4	16.3	16.3	15.7	15.9	Compliant
20:00 - 20:59	16.4	14.8	17.3	16.9	17.0	17.5	18.5	17.2	17.1	15.9	16.7	16.4	16.5	16.0	16.2	Compliant
21:00 - 21:59	16.3	14.9	17.4	17.0	17.0	17.4	18.3	17.2	17.1	16.0	17.0	16.8	16.7	16.3	16.6	Compliant
22:00 - 22:59	14.8	14.9	17.1	16.7	17.1	17.4	17.8	17.2	16.9	16.1	16.9	16.9	17.0	16.5	16.5	Compliant
23:00 - 23:59	15.3	14.8	16.8	16.6	16.9	17.0	17.1	16.4	16.4	16.2	17.1	17.0	17.1	16.5	16.5	Compliant

Time	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	Remarks
00:00 - 00:59	16.4	15.6	11.0	11.3	10.9	10.7	10.9	11.3	13.8	13.6	14.2	14.2	14.3	14.6	14.6	14.8	Compliant
01:00 - 01:59	16.5	15.6	10.9	11.3	10.9	10.9	10.9	11.2	14.1	14.2	14.1	14.0	14.4	14.6	14.6	14.8	Compliant
02:00 - 02:59	16.2	15.6	10.7	11.3	11.0	11.0	11.3	11.2	14.5	14.3	14.1	14.0	14.2	14.2	14.7	14.7	Compliant
03:00 - 03:59	16.4	15.6	10.8	11.2	11.0	11.1	11.2	11.3	14.1	14.3	14.2	13.9	14.6	14.8	14.8	14.5	Compliant
04:00 - 04:59	16.8	15.6	10.8	11.2	10.9	10.9	11.3	11.3	14.1	14.4	14.2	14.5	14.6	14.8	14.8	14.4	Compliant
05:00 - 05:59	16.8	15.6	10.9	11.1	10.9	11.0	11.3	11.4	14.0	14.4	14.3	14.4	14.6	14.7	15.0	14.8	Compliant
06:00 - 06:59	16.8	15.6	10.8	10.9	10.9	10.9	11.3	11.4	14.0	14.5	14.3	14.4	14.6	14.7	14.9	14.8	Compliant
07:00 - 07:59	16.7	15.6	10.5	10.9	10.9	10.8	11.3	11.3	14.0	14.4	14.4	14.4	14.6	14.8	14.8	14.5	Compliant
08:00 - 08:59	16.5	15.6	10.8	10.7	10.8	10.6	11.2	11.2	14.0	14.5	14.5	14.3	14.5	14.7	14.9	14.7	Compliant
09:00 - 09:59	16.3	15.6	10.8	10.7	10.6	10.6	11.0	11.0	14.1	14.1	14.4	14.2	14.4	14.8	14.9	14.4	Compliant
10:00 - 10:59	15.9	10.9	10.8	10.7	10.6	10.7	11.1	13.7	14.0	14.4	14.4	14.2	14.0	14.7	13.8	14.3	Compliant
11:00 - 11:59	16.0	11.1	11.1	10.9	10.6	10.7	11.1	14.1	14.1	14.3	14.2	14.3	14.4	14.8	14.7	14.5	Compliant
12:00 - 12:59	15.9	11.1	11.4	11.1	10.9	10.8	11.1	14.2	14.1	14.2	14.2	14.4	14.5	14.8	14.8	14.6	Compliant
13:00 - 13:59	15.8	11.1	11.4	10.9	10.9	10.9	11.1	14.1	14.1	14.3	14.2	14.5	14.7	14.8	14.8	14.8	Compliant
14:00 - 14:59	16.0	11.1	11.2	11.1	11.0	10.9	11.1	14.1	14.1	14.2	14.3	14.6	14.9	14.8	14.8	15.1	Compliant
15:00 - 15:59	16.3	11.1	11.2	11.0	11.2	10.8	11.1	14.1	14.0	14.2	14.3	14.6	14.9	14.7	14.6	15.3	Compliant
16:00 - 16:59	15.6	11.0	11.3	10.9	11.1	10.8	11.1	14.1	14.1	14.1	14.2	14.8	14.9	14.6	14.6	15.6	Compliant
17:00 - 17:59	15.7	11.2	11.3	11.2	11.1	10.9	11.1	14.2	14.0	14.1	14.4	14.7	14.8	14.5	14.7	15.2	Compliant
18:00 - 18:59	15.6	11.3	11.4	11.1	11.2	11.0	11.0	14.1	14.0	14.1	14.2	14.7	15.0	14.6	14.8	15.1	Compliant
19:00 - 19:59	15.6	11.1	11.3	11.1	11.1	10.9	11.0	14.1	14.0	14.0	14.3	14.6	14.9	14.7	14.8	15.0	Compliant
20:00 - 20:59	15.6	10.9	11.1	11.0	10.9	10.9	11.1	14.1	14.1	14.1	14.3	14.8	14.9	15.0	14.7	14.8	Compliant
21:00 - 21:59	15.6	10.7	11.1	11.0	11.0	11.0	11.4	14.1	14.2	14.2	14.3	14.6	14.8	14.9	14.6	14.6	Compliant
22:00 - 22:59	15.6	10.9	11.1	11.1	11.1	11.0	11.2	14.0	13.8	14.1	14.3	14.6	14.7	14.8	14.6	14.6	Compliant
23:00 - 23:59	15.6	10.9	11.2	11.0	10.8	10.8	11.2	13.9	13.6	14.2	14.3	14.4	14.7	14.6	14.8	14.5	Compliant

### Unit 1 NO<sub>x</sub> (ppmv) - April 2020

Time	01-Apr	02-Apr	03-Apr	04-Apr	05-Apr	06-Apr	07-Apr	08-Apr	09-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	Remarks
00:00 - 00:59	14.9	0.0	14.7	14.3	14.3	14.2	22.7	13.2	13.1	13.2	13.2	13.4	13.4	13.2	13.8	Compliant
01:00 - 01:59	15.0	0.0	14.7	14.3	14.4	14.3	22.4	13.2	13.2	13.2	13.3	13.6	13.4	13.3	13.6	Compliant
02:00 - 02:59	14.7	0.0	14.8	14.1	13.6	14.2	21.8	13.2	13.0	13.3	12.8	14.0	13.8	13.3	13.6	Compliant
03:00 - 03:59	14.4	0.0	14.7	13.9	13.4	13.4	21.5	12.8	12.8	13.7	14.0	14.1	13.7	13.2	13.5	Compliant
04:00 - 04:59	14.3	17.1	14.9	14.4	14.4	14.2	22.1	13.1	12.9	13.5	13.6	13.9	13.7	13.4	13.3	Compliant
05:00 - 05:59	14.5	15.2	14.9	14.3	14.4	14.3	22.2	13.1	13.1	13.5	13.8	13.5	13.6	13.4	13.5	Compliant
06:00 - 06:59	14.6	14.9	14.9	14.4	14.6	14.2	21.4	13.1	13.1	13.6	13.9	13.5	13.5	13.3	13.5	Compliant
07:00 - 07:59	14.8	14.7	14.9	14.5	14.4	14.2	21.0	13.1	13.1	13.7	13.9	13.4	13.5	13.3	13.4	Compliant
08:00 - 08:59	14.7	14.6	14.9	14.1	14.4	14.1	20.9	12.9	13.1	13.7	14.1	13.4	13.4	13.1	12.9	Compliant
09:00 - 09:59	14.2	14.5	14.8	14.3	14.3	14.0	21.9	12.6	13.0	13.6	13.6	13.4	13.4	13.2	13.3	Compliant
10:00 - 10:59	14.3	14.6	14.5	14.3	14.2	15.8	15.6	12.9	13.0	13.5	14.0	13.4	13.4	13.2	13.6	Compliant
11:00 - 11:59	14.3	15.2	14.6	14.0	14.4	15.8	13.0	13.0	13.1	13.4	13.9	13.4	13.4	13.4	13.8	Compliant
12:00 - 12:59	14.6	15.5	14.8	14.4	14.4	15.8	13.1	13.3	13.2	13.5	13.6	13.6	13.6	13.6	14.0	Compliant
13:00 - 13:59	15.1	15.6	14.9	14.6	14.4	17.3	13.2	13.5	13.2	13.7	13.6	13.8	13.6	13.7	13.9	Compliant
14:00 - 14:59	15.4	15.4	0.0	14.4	14.6	17.3	15.9	13.6	13.4	13.8	13.6	13.8	13.8	13.9	13.8	Compliant
15:00 - 15:59	15.6	15.2	0.0	14.7	14.7	17.2	15.9	13.5	13.4	13.7	13.6	13.7	13.7	14.0	13.7	Compliant
16:00 - 16:59	15.2	14.5	19.6	14.9	14.6	17.3	13.1	13.5	13.6	13.8	13.6	13.7	13.6	14.1	13.7	Compliant
17:00 - 17:59	15.1	14.3	21.8	15.1	14.5	17.4	14.3	13.6	13.6	13.9	13.7	13.8	13.7	14.1	13.8	Compliant
18:00 - 18:59	15.1	14.5	11.0	15.2	14.5	16.0	14.1	13.6	13.5	13.9	13.9	13.9	13.7	14.2	13.9	Compliant
19:00 - 19:59	15.3	14.5	13.5	14.7	14.5	16.0	13.9	13.6	13.5	13.9	13.8	14.0	13.8	14.1	14.0	Compliant
20:00 - 20:59	15.3	14.7	15.0	14.6	14.4	21.5	13.7	13.5	13.5	13.7	13.7	14.2	13.8	14.1	14.0	Compliant
21:00 - 21:59	14.9	14.7	14.4	14.5	14.3	21.3	13.5	13.4	13.5	13.7	13.5	14.0	13.8	14.0	13.9	Compliant
22:00 - 22:59	0.0	14.6	14.1	14.5	14.3	22.1	13.5	13.2	13.2	13.3	13.4	13.8	13.7	13.8	13.8	Compliant
23:00 - 23:59	0.0	14.7	14.2	14.6	14.0	22.4	13.3	13.2	13.2	13.6	13.4	13.4	13.5	13.8	13.7	Compliant

Time	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	Remarks
00:00 - 00:59	13.7	13.7	13.7	14.4	14.3	14.5	0.0	14.5	14.1	13.9	14.1	15.0	15.1	15.4	15.5	Compliant
01:00 - 01:59	13.4	13.5	13.7	14.2	13.7	14.4	0.0	14.6	14.0	14.3	14.1	15.2	15.2	15.0	15.4	Compliant
02:00 - 02:59	13.2	13.6	13.1	14.1	13.4	14.2	0.0	14.6	13.9	14.3	13.9	15.1	15.4	15.2	15.4	Compliant
03:00 - 03:59	13.3	13.4	13.6	13.4	14.0	14.0	22.8	14.4	14.0	13.7	14.3	15.2	15.3	15.4	15.5	Compliant
04:00 - 04:59	13.2	13.5	13.7	14.1	13.9	13.9	13.5	14.5	14.0	14.1	14.4	15.3	15.4	15.5	15.5	Compliant
05:00 - 05:59	13.3	13.5	13.6	14.0	14.0	13.7	14.3	14.7	14.0	14.3	14.3	15.6	15.4	15.4	15.4	Compliant
06:00 - 06:59	13.3	13.5	13.6	14.0	14.1	13.6	14.2	14.6	14.0	14.2	14.2	15.5	15.4	15.4	15.4	Compliant
07:00 - 07:59	13.2	13.5	13.6	14.0	14.2	13.4	14.2	14.5	14.0	14.2	14.1	15.5	15.4	15.3	15.3	Compliant
08:00 - 08:59	13.2	13.4	13.6	13.9	14.2	13.5	13.7	14.5	13.9	14.1	14.1	15.1	15.3	15.1	15.3	Compliant
09:00 - 09:59	13.4	13.4	13.0	14.0	14.1	13.5	14.0	14.4	14.0	13.6	14.2	15.4	15.4	15.0	15.2	Compliant
10:00 - 10:59	13.4	13.5	14.0	14.0	13.2	13.6	14.0	14.4	13.9	14.0	14.1	15.3	15.3	15.3	15.4	Compliant
11:00 - 11:59	13.6	13.7	13.6	14.1	10.7	13.8	14.2	14.3	14.0	14.1	14.9	15.2	15.3	15.3	15.5	Compliant
12:00 - 12:59	13.8	13.9	13.8	14.2	13.6	14.1	14.4	14.2	14.3	14.2	15.0	15.1	15.3	15.4	15.5	Compliant
13:00 - 13:59	13.9	14.1	13.8	14.4	13.3	14.2	14.6	14.3	14.5	14.3	15.1	15.0	15.2	15.4	15.6	Compliant
14:00 - 14:59	13.8	14.1	13.8	14.6	16.0	14.3	14.6	14.4	14.7	14.4	14.5	15.1	15.2	15.4	15.7	Compliant
15:00 - 15:59	13.9	14.3	14.2	14.9	13.8	14.4	14.8	14.8	14.8	14.6	15.6	15.1	15.2	15.4	15.3	Compliant
16:00 - 16:59	14.1	14.5	14.8	15.1	14.7	14.9	14.7	14.9	14.7	14.6	15.7	15.1	15.3	15.5	15.2	Compliant
17:00 - 17:59	14.4	14.4	15.2	15.2	15.2	14.9	14.8	14.7	15.1	14.7	15.7	15.3	15.3	15.5	15.5	Compliant
18:00 - 18:59	14.2	14.2	15.0	15.2	15.2	15.0	14.7	14.7	15.3	14.4	15.7	15.4	15.3	15.4	15.6	Compliant
19:00 - 19:59	14.1	14.0	14.9	14.8	14.8	15.3	14.6	14.4	15.1	14.2	15.5	15.5	15.4	15.5	15.4	Compliant
20:00 - 20:59	14.3	13.9	14.7	14.7	14.6	15.0	14.5	14.3	15.0	14.5	15.4	15.4	15.6	15.5	15.5	Compliant
21:00 - 21:59	14.3	13.9	14.7	14.5	14.6	14.5	14.3	14.4	14.9	14.4	15.4	15.4	15.6	15.6	15.6	Compliant
22:00 - 22:59	14.0	13.8	14.7	14.6	14.6	14.2	14.3	14.3	14.6	14.4	15.3	15.4	15.4	15.5	15.3	Compliant
23:00 - 23:59	13.9	13.7	14.6	14.4	14.8	0.0	14.4	14.2	14.3	14.2	15.3	15.3	14.9	15.4	14.8	Compliant

Unit 1 NO<sub>x</sub> (ppmv) - May 2020

Time	01-May	02-May	03-May	04-May	05-May	06-May	07-May	08-May	09-May	10-May	11-May	12-May	13-May	14-May	15-May	Remarks
00:00 - 00:59	15.6	15.2	15.2	15.2	15.5	15.5	15.2	14.9	15.1	14.9	15.1	15.8	16.2	15.6	16.6	Compliant
01:00 - 01:59	14.8	15.1	15.4	15.3	15.5	15.4	15.2	15.0	15.0	14.8	15.0	15.6	16.2	15.5	16.4	Compliant
02:00 - 02:59	15.0	15.3	15.4	15.3	15.5	15.5	15.1	14.8	14.9	14.8	14.9	15.5	16.2	15.7	16.2	Compliant
03:00 - 03:59	15.5	15.2	15.4	14.9	15.3	15.5	15.0	14.7	14.8	14.6	15.0	15.3	16.1	15.4	16.1	Compliant
04:00 - 04:59	15.6	15.3	15.4	15.1	15.3	15.3	15.0	14.7	14.7	14.5	15.0	15.3	15.6	15.2	15.9	Compliant
05:00 - 05:59	15.6	15.3	15.4	15.2	15.2	15.3	15.2	14.6	14.5	14.3	15.1	15.2	15.7	15.2	15.7	Compliant
06:00 - 06:59	15.6	15.3	15.4	15.1	15.1	15.2	15.1	14.4	14.5	14.3	15.1	15.2	15.7	15.0	15.6	Compliant
07:00 - 07:59	15.4	15.4	15.2	15.1	15.0	15.1	15.3	14.4	14.4	14.2	15.0	15.2	15.7	14.9	15.5	Compliant
08:00 - 08:59	15.3	14.9	15.2	15.1	15.1	14.9	15.1	14.5	14.1	14.3	15.1	15.3	15.7	14.8	15.4	Compliant
09:00 - 09:59	15.3	15.2	15.1	15.2	15.2	15.0	15.1	14.5	14.5	14.5	15.1	15.5	15.3	15.0	15.5	Compliant
10:00 - 10:59	15.3	15.5	15.2	15.2	15.4	13.8	15.1	14.7	14.7	14.8	15.1	15.7	15.8	15.3	15.6	Compliant
11:00 - 11:59	15.4	15.7	15.4	15.4	15.4	15.1	15.1	14.8	14.5	14.8	15.2	15.9	16.0	15.4	15.6	Compliant
12:00 - 12:59	15.5	15.7	15.6	15.7	15.8	15.2	15.1	14.8	14.3	14.6	14.3	16.1	16.2	15.5	15.6	Compliant
13:00 - 13:59	15.6	15.8	15.7	15.7	15.8	15.1	15.2	14.5	14.4	14.6	16.1	16.2	16.2	15.5	15.8	Compliant
14:00 - 14:59	15.6	15.9	15.9	15.8	15.9	14.9	15.0	14.1	14.6	14.5	16.5	16.2	16.1	0.0	15.7	Compliant
15:00 - 15:59	15.6	16.0	16.1	15.8	16.0	14.9	14.9	13.9	14.6	14.2	16.8	16.3	16.2	0.0	15.8	Compliant
16:00 - 16:59	15.5	16.2	16.0	15.9	16.0	15.0	14.8	14.6	14.6	14.0	16.6	16.5	15.8	0.0	15.9	Compliant
17:00 - 17:59	15.6	15.9	15.9	15.9	15.8	15.1	14.8	13.8	14.7	14.0	16.4	16.6	16.2	0.0	15.8	Compliant
18:00 - 18:59	15.6	15.8	16.0	15.9	15.6	14.8	14.9	14.8	14.1	14.1	16.5	16.3	16.4	0.0	15.9	Compliant
19:00 - 19:59	15.5	15.6	15.9	15.9	15.5	15.4	14.9	14.3	14.6	14.8	16.7	16.2	16.4	24.5	15.9	Compliant
20:00 - 20:59	15.4	15.5	15.9	15.8	15.6	15.6	15.1	14.6	14.8	15.1	16.5	16.2	16.3	33.7	15.9	Low Load
21:00 - 21:59	15.4	15.5	15.7	15.8	15.7	15.3	15.1	14.9	14.9	15.3	16.3	16.1	16.1	21.6	15.9	Compliant
22:00 - 22:59	15.2	15.4	15.5	15.7	15.7	15.2	15.0	15.1	14.9	15.4	16.2	16.1	15.9	16.4	15.8	Compliant
23:00 - 23:59	15.0	15.3	15.4	15.6	15.6	15.1	15.0	15.1	14.9	15.3	16.0	16.2	15.7	16.4	15.8	Compliant

Time	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	Remarks
00:00 - 00:59	15.7	16.1	15.7	14.9	14.2	14.1	13.7	14.5	14.8	14.9	13.8	14.9	13.4	14.3	13.9	13.8	Compliant
01:00 - 01:59	15.5	16.1	15.6	14.9	14.0	14.0	13.7	14.4	14.8	14.8	13.6	14.8	13.4	14.1	13.6	13.5	Compliant
02:00 - 02:59	15.4	15.9	15.7	14.8	13.7	14.0	13.6	14.4	14.6	14.7	13.4	14.6	13.4	14.0	13.6	13.2	Compliant
03:00 - 03:59	15.3	15.7	15.8	14.7	13.9	14.0	13.5	14.4	14.5	14.5	13.2	14.5	13.4	13.8	13.7	13.7	Compliant
04:00 - 04:59	15.2	15.7	15.8	14.7	14.0	14.0	13.7	14.3	14.4	14.4	13.0	14.4	13.4	14.0	13.8	13.7	Compliant
05:00 - 05:59	15.1	15.8	15.7	14.6	14.0	14.0	13.8	14.3	14.3	14.3	12.8	14.2	13.5	13.9	13.9	13.8	Compliant
06:00 - 06:59	14.8	15.6	15.6	14.5	13.9	14.0	13.8	14.2	14.1	14.3	12.6	14.1	13.5	13.9	13.9	13.8	Compliant
07:00 - 07:59	14.8	15.5	15.4	14.3	14.1	14.0	13.8	14.2	14.1	14.2	12.5	14.0	13.5	13.8	13.8	13.9	Compliant
08:00 - 08:59	14.9	15.6	15.4	14.3	14.0	14.0	13.8	14.2	14.1	14.2	12.4	14.0	13.5	13.8	13.8	14.0	Compliant
09:00 - 09:59	14.6	15.6	15.4	14.4	13.9	14.0	13.9	14.0	14.2	14.2	0.0	13.7	13.4	13.8	13.5	14.1	Compliant
10:00 - 10:59	15.1	15.6	12.8	14.4	13.7	14.0	14.1	14.3	14.4	14.3	0.0	14.2	13.3	13.9	14.0	14.2	Compliant
11:00 - 11:59	15.4	15.7	14.5	14.7	14.2	14.2	14.2	14.4	14.7	14.4	0.0	14.3	13.4	14.1	14.2	14.4	Compliant
12:00 - 12:59	15.5	15.7	14.4	15.0	14.5	14.2	14.4	14.4	14.4	14.3	12.6	14.3	13.6	14.3	14.3	14.6	Compliant
13:00 - 13:59	15.5	15.8	14.4	15.1	14.6	14.4	14.5	14.4	14.2	14.0	14.0	14.5	13.7	14.4	14.5	14.7	Compliant
14:00 - 14:59	15.6	16.0	14.5	15.0	14.7	14.4	14.6	14.3	14.1	13.9	14.3	15.0	13.9	14.5	14.7	14.8	Compliant
15:00 - 15:59	15.6	16.2	14.4	15.1	14.7	14.6	14.6	14.3	14.0	0.0	14.5	15.2	14.0	14.6	14.8	14.9	Compliant
16:00 - 16:59	15.6	16.0	14.2	15.1	14.9	14.6	14.5	14.4	13.8	0.0	14.6	15.3	14.1	14.6	14.8	14.7	Compliant
17:00 - 17:59	16.1	16.1	14.2	15.0	15.2	14.7	14.5	14.6	14.8	0.0	14.7	14.8	14.2	14.8	14.9	14.9	Compliant
18:00 - 18:59	15.7	16.0	14.4	15.0	14.9	14.9	14.7	14.6	14.0	0.0	14.8	14.3	14.3	14.9	14.9	14.9	Compliant
19:00 - 19:59	15.7	16.0	14.9	14.7	14.6	14.8	15.0	14.7	14.2	13.7	15.0	13.8	14.5	14.7	14.9	14.9	Compliant
20:00 - 20:59	15.6	16.0	15.3	14.5	14.4	14.7	14.9	14.8	14.5	13.8	15.0	13.7	14.4	14.5	15.0	14.7	Compliant
21:00 - 21:59	15.7	15.9	15.2	14.3	14.2	14.1	14.9	14.9	14.9	13.9	15.1	13.5	14.5	14.3	14.9	14.6	Compliant
22:00 - 22:59	15.8	15.8	14.9	14.3	14.2	14.0	14.8	14.8	14.9	13.9	15.1	13.4	14.4	14.1	14.5	14.6	Compliant
23:00 - 23:59	16.0	15.7	15.0	14.2	14.1	13.8	14.6	14.8	14.9	13.9	15.0	13.4	14.3	14.0	14.1	14.5	Compliant

### Unit 1 NO<sub>x</sub> (ppmv) - June 2020

Time	01-Jun	02-Jun	03-Jun	04-Jun	05-Jun	06-Jun	07-Jun	08-Jun	09-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	Remarks
00:00 - 00:59	14.3	14.6	14.8	14.4	16.0	16.0	16.0	15.8	14.8	15.0	14.8	14.7	14.7	14.8	14.5	Compliant
01:00 - 01:59	14.3	14.6	14.7	14.3	16.0	15.9	15.7	15.6	14.7	15.0	14.6	14.7	14.7	14.8	14.9	Compliant
02:00 - 02:59	14.3	14.6	14.5	14.3	16.1	15.9	15.6	15.2	14.7	14.9	14.5	14.7	14.7	14.9	14.9	Compliant
03:00 - 03:59	14.1	14.5	14.4	14.2	16.0	15.8	15.8	15.8	14.6	14.9	14.5	14.6	14.3	14.8	14.8	Compliant
04:00 - 04:59	14.1	14.4	14.3	14.3	15.9	15.8	15.8	15.8	14.5	14.9	14.5	14.5	14.4	14.7	14.7	Compliant
05:00 - 05:59	14.0	14.3	14.3	14.2	15.8	15.7	15.8	15.8	14.5	14.8	14.5	14.5	14.5	14.7	14.7	Compliant
06:00 - 06:59	14.0	14.2	14.3	14.2	15.8	15.7	15.7	15.8	14.5	14.8	14.5	14.5	14.4	14.8	14.6	Compliant
07:00 - 07:59	14.0	14.2	14.3	14.2	15.6	15.7	15.8	15.8	14.5	14.8	14.5	14.5	14.5	14.7	14.6	Compliant
08:00 - 08:59	14.0	14.2	14.3	14.2	15.4	15.4	15.7	15.8	14.5	14.7	14.5	14.5	14.3	14.7	14.6	Compliant
09:00 - 09:59	14.0	14.2	14.3	14.2	15.6	15.6	15.8	13.5	14.6	14.7	14.5	14.6	14.2	14.7	14.6	Compliant
10:00 - 10:59	14.1	14.3	14.2	15.0	15.6	15.8	16.0	14.6	14.6	14.5	14.5	14.6	14.6	14.6	14.7	Compliant
11:00 - 11:59	14.3	14.4	14.4	15.6	15.7	15.9	16.2	14.7	14.6	14.7	14.5	14.6	14.7	14.6	14.7	Compliant
12:00 - 12:59	14.6	14.5	14.7	15.4	15.8	15.8	16.3	14.7	14.6	14.7	14.7	14.7	14.7	14.4	15.1	Compliant
13:00 - 13:59	14.6	14.6	14.7	15.3	15.9	15.3	16.3	14.5	14.6	14.8	14.7	14.5	14.7	14.2	15.2	Compliant
14:00 - 14:59	14.5	14.7	14.9	15.2	15.9	0.0	16.3	14.4	14.6	14.6	14.6	14.5	14.6	14.1	15.2	Compliant
15:00 - 15:59	14.3	14.7	14.9	15.2	15.9	0.0	16.0	14.4	14.6	14.6	14.7	14.5	14.4	14.0	15.3	Compliant
16:00 - 16:59	14.2	14.8	14.8	15.2	15.8	21.6	16.3	14.3	14.5	14.7	14.8	14.6	14.3	13.8	15.3	Compliant
17:00 - 17:59	14.3	14.8	14.9	15.3	15.8	25.9	16.4	14.6	14.5	14.6	14.8	14.6	14.2	14.2	15.3	Low Load
18:00 - 18:59	14.6	14.8	15.1	15.5	15.8	26.6	16.3	14.9	14.5	14.7	14.9	14.7	14.2	14.6	15.4	Low Load
19:00 - 19:59	14.8	15.3	15.3	15.9	15.8	19.5	16.3	15.1	14.6	14.8	15.0	14.8	14.5	14.7	15.5	Compliant
20:00 - 20:59	14.7	15.2	15.1	16.1	16.1	16.9	16.2	15.0	14.9	14.8	14.8	15.1	14.6	14.8	15.5	Compliant
21:00 - 21:59	14.7	15.1	14.9	16.0	16.1	16.4	16.1	15.0	15.1	14.8	14.8	15.1	14.6	14.9	15.5	Compliant
22:00 - 22:59	14.7	15.0	14.5	16.0	16.1	16.2	16.1	14.9	14.8	14.8	14.8	14.9	14.6	14.8	15.4	Compliant
23:00 - 23:59	14.7	14.9	14.4	16.0	16.0	16.1	16.0	14.9	15.2	14.9	14.8	14.8	14.7	14.3	15.2	Compliant

Time	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	Remarks
00:00 - 00:59	15.0	14.8	14.1	15.1	14.6	15.0	15.0	14.2	14.9	14.5	13.8	14.5	13.9	14.5	16.0	Compliant
01:00 - 01:59	14.8	14.8	14.7	14.8	14.7	14.9	15.0	14.2	14.8	14.5	14.9	14.3	14.3	14.1	15.9	Compliant
02:00 - 02:59	14.7	14.7	14.6	14.6	14.7	14.8	14.9	14.3	14.8	14.5	13.9	14.2	14.4	14.2	15.8	Compliant
03:00 - 03:59	14.5	14.7	14.6	14.9	14.5	14.7	14.7	14.2	14.5	14.5	14.0	14.2	14.1	14.4	15.7	Compliant
04:00 - 04:59	14.5	14.7	14.6	14.7	14.5	14.6	14.8	14.2	14.6	14.4	14.0	14.4	14.2	14.3	15.6	Compliant
05:00 - 05:59	14.5	14.6	14.5	14.8	14.4	14.5	14.7	14.2	14.5	14.4	14.0	14.3	14.2	14.2	15.5	Compliant
06:00 - 06:59	14.5	14.6	14.5	14.4	14.4	14.5	14.5	14.0	14.4	14.4	14.0	14.3	14.1	14.1	15.3	Compliant
07:00 - 07:59	14.5	14.6	14.4	14.4	14.3	14.4	14.4	13.9	14.3	14.4	14.0	14.2	14.1	14.1	15.3	Compliant
08:00 - 08:59	14.6	14.7	14.4	14.5	14.3	14.5	14.4	13.9	14.1	14.4	14.0	14.2	14.0	14.1	15.3	Compliant
09:00 - 09:59	14.6	14.4	14.5	14.5	14.0	14.5	14.4	14.0	14.1	14.3	14.1	13.8	14.1	14.2	15.4	Compliant
10:00 - 10:59	14.8	14.8	14.6	14.6	14.5	14.6	14.5	14.2	14.4	14.4	14.6	14.3	14.3	14.2	15.4	Compliant
11:00 - 11:59	14.9	15.0	14.8	14.7	14.6	14.7	14.8	14.4	14.5	14.5	14.7	14.4	14.4	14.4	15.6	Compliant
12:00 - 12:59	15.0	15.1	14.9	14.9	14.8	14.8	14.7	14.3	14.5	14.6	14.9	14.5	14.4	14.5	15.8	Compliant
13:00 - 13:59	15.1	15.1	14.8	15.0	14.9	14.9	14.7	14.4	14.6	14.6	15.0	14.5	14.5	14.2	15.9	Compliant
14:00 - 14:59	15.2	15.1	15.0	15.0	15.0	15.0	14.8	14.5	14.7	14.6	14.9	14.6	14.4	15.9	16.0	Compliant
15:00 - 15:59	15.2	15.0	15.0	14.9	14.9	15.0	14.7	14.6	14.9	14.9	14.6	14.7	14.6	16.0	16.1	Compliant
16:00 - 16:59	15.3	15.2	15.1	15.0	15.0	14.9	14.6	14.6	14.7	14.9	14.7	14.5	14.6	16.0	16.1	Compliant
17:00 - 17:59	15.4	15.3	15.1	15.2	15.1	14.9	14.5	14.5	15.4	15.4	14.8	14.6	14.8	16.1	16.1	Compliant
18:00 - 18:59	15.4	15.2	15.1	15.3	15.2	14.9	14.7	14.7	15.4	15.1	14.9	14.8	15.1	16.0	16.2	Compliant
19:00 - 19:59	15.3	15.2	15.1	15.2	15.2	15.0	15.1	14.8	15.5	14.7	15.0	14.8	15.1	16.1	16.1	Compliant
20:00 - 20:59	15.2	15.3	15.1	15.1	15.2	15.0	14.9	14.9	15.3	14.4	15.1	14.8	14.9	16.1	16.3	Compliant
21:00 - 21:59	15.2	15.2	15.2	15.0	15.2	14.9	14.7	15.0	15.0	14.3	15.1	14.8	14.9	16.1	16.4	Compliant
22:00 - 22:59	15.1	15.1	15.2	14.9	15.2	14.9	14.5	15.0	14.8	14.1	14.9	14.7	14.9	16.1	16.4	Compliant
23:00 - 23:59	15.0	15.0	15.3	14.9	15.1	14.9	14.3	15.0	14.6	14.1	14.7	14.4	14.9	16.0	16.4	Compliant



**Unit 1 NO<sub>x</sub> (ppmv) - July 2020**

Time	01-Jul	02-Jul	03-Jul	04-Jul	05-Jul	06-Jul	07-Jul	08-Jul	09-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	Remarks
00:00 - 00:59	16.3	15.8	15.7	15.8	15.7	15.5	15.2	15.4	15.5	15.1	15.4	15.3	15.4	14.3	15.1	Compliant
01:00 - 01:59	16.2	15.6	15.6	15.8	15.7	15.4	15.1	15.4	15.4	15.2	15.3	15.2	15.2	14.4	15.0	Compliant
02:00 - 02:59	16.0	15.5	15.6	15.6	15.4	15.4	15.0	15.3	15.3	15.1	15.2	15.0	15.2	14.2	14.8	Compliant
03:00 - 03:59	15.9	15.4	15.5	15.6	15.5	15.3	15.0	15.3	15.2	15.1	15.1	14.9	15.1	14.2	14.7	Compliant
04:00 - 04:59	15.8	15.3	15.5	15.4	15.4	15.2	15.0	15.2	15.1	14.9	15.0	14.9	14.9	14.2	14.5	Compliant
05:00 - 05:59	15.7	15.3	15.5	15.4	15.4	15.2	14.9	15.1	15.1	14.9	14.9	14.8	14.8	14.1	14.4	Compliant
06:00 - 06:59	15.6	15.2	15.4	15.3	15.4	15.2	14.9	15.1	15.0	14.9	14.9	14.7	14.8	14.0	14.3	Compliant
07:00 - 07:59	15.5	15.2	15.4	15.4	15.3	15.2	14.9	14.9	15.0	14.9	14.9	14.6	14.8	14.1	14.3	Compliant
08:00 - 08:59	15.4	15.3	15.4	15.3	15.3	15.2	14.9	14.7	14.9	14.8	14.9	14.7	14.7	14.1	14.1	Compliant
09:00 - 09:59	15.4	15.4	15.5	14.9	15.3	15.2	14.9	14.7	14.9	14.7	14.4	14.7	14.7	14.3	14.2	Compliant
10:00 - 10:59	15.4	15.4	15.6	15.4	15.4	15.3	15.1	15.0	15.0	14.8	14.9	14.7	14.8	14.4	14.5	Compliant
11:00 - 11:59	15.6	15.5	15.7	15.6	15.5	14.8	15.1	15.1	15.1	14.8	15.0	14.8	14.8	14.6	14.7	Compliant
12:00 - 12:59	15.8	15.7	15.7	15.7	15.6	15.0	15.1	15.1	15.2	14.9	15.0	14.9	14.9	14.7	14.8	Compliant
13:00 - 13:59	16.0	15.8	15.8	15.9	15.7	15.0	15.2	15.1	15.2	14.9	15.1	15.0	15.0	14.8	14.8	Compliant
14:00 - 14:59	16.0	15.9	15.9	15.9	15.8	15.3	15.2	15.1	15.1	14.9	14.9	15.0	15.1	14.9	14.9	Compliant
15:00 - 15:59	16.1	16.0	15.9	16.0	15.9	15.3	15.2	15.2	15.3	14.9	15.0	15.2	15.1	15.0	14.9	Compliant
16:00 - 16:59	16.1	16.1	16.1	16.0	16.0	15.3	15.2	15.2	15.2	15.0	15.0	15.2	14.8	15.1	14.9	Compliant
17:00 - 17:59	16.3	16.2	16.1	16.1	16.2	15.5	15.2	15.1	15.3	15.2	15.1	15.2	15.0	15.0	14.9	Compliant
18:00 - 18:59	16.8	16.2	16.2	16.1	16.1	15.6	15.3	15.3	15.4	15.1	15.2	15.2	15.0	15.0	15.0	Compliant
19:00 - 19:59	16.7	16.6	16.3	16.1	16.1	15.8	15.4	15.6	15.5	15.3	15.3	15.3	15.0	15.1	15.0	Compliant
20:00 - 20:59	16.5	16.5	16.5	16.1	16.0	15.7	15.5	15.7	15.7	15.3	15.3	15.4	14.8	15.3	15.2	Compliant
21:00 - 21:59	16.4	16.3	16.5	16.0	15.9	15.4	15.6	15.7	15.6	15.4	15.4	15.6	14.7	15.2	15.3	Compliant
22:00 - 22:59	16.1	16.1	16.4	15.8	15.8	15.3	15.5	15.6	15.5	15.3	15.4	15.5	14.6	15.2	15.1	Compliant
23:00 - 23:59	16.0	15.9	16.1	15.2	15.6	15.3	15.5	15.5	15.3	15.3	15.4	15.4	14.5	15.2	15.1	Compliant

Time	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	Remarks
00:00 - 00:59	14.9	15.3	15.2	14.7	14.9	14.1	14.5	14.9	14.6	13.0	15.2	14.9	14.9	15.0	15.0	15.6	Compliant
01:00 - 01:59	14.9	15.2	15.2	14.7	14.7	14.4	14.1	14.8	14.5	14.1	15.1	14.7	15.1	14.5	15.5	15.6	Compliant
02:00 - 02:59	14.6	15.1	15.1	14.6	14.6	14.4	14.1	14.8	14.4	15.0	15.1	14.5	15.2	15.1	15.4	15.5	Compliant
03:00 - 03:59	14.7	15.0	15.0	14.6	14.5	14.3	14.0	14.7	14.3	14.9	15.1	14.3	15.2	15.1	15.4	15.5	Compliant
04:00 - 04:59	14.5	14.9	15.0	14.7	14.4	14.3	14.0	14.6	14.3	15.0	15.1	14.3	15.0	15.1	15.3	15.5	Compliant
05:00 - 05:59	14.4	14.8	14.8	14.6	14.3	14.2	14.0	14.5	14.3	15.0	15.1	14.2	15.1	15.1	15.2	15.5	Compliant
06:00 - 06:59	14.3	14.7	14.7	14.5	14.2	14.1	13.8	14.4	14.2	14.9	15.0	14.2	15.0	15.1	15.1	15.4	Compliant
07:00 - 07:59	14.2	14.6	14.7	14.4	14.2	14.1	14.0	14.4	14.2	14.9	15.0	14.3	15.1	15.0	15.1	15.4	Compliant
08:00 - 08:59	14.2	14.5	14.5	14.4	14.2	14.2	13.4	14.3	14.2	14.4	14.9	14.3	15.1	15.0	15.1	15.4	Compliant
09:00 - 09:59	14.3	14.5	14.4	14.4	14.2	14.2	14.0	14.3	14.2	14.6	15.0	14.4	15.2	14.7	15.1	15.3	Compliant
10:00 - 10:59	14.4	14.6	14.7	14.5	14.2	14.2	14.2	14.4	14.3	14.9	15.1	14.8	15.3	14.9	15.2	15.3	Compliant
11:00 - 11:59	14.6	14.7	14.8	14.6	14.3	14.4	14.3	14.5	14.5	15.0	15.1	15.4	15.3	15.2	15.3	15.5	Compliant
12:00 - 12:59	14.7	14.8	14.9	14.7	14.5	14.5	14.5	14.6	14.7	15.1	15.2	15.5	15.4	15.4	15.4	15.7	Compliant
13:00 - 13:59	14.8	14.8	14.9	14.8	14.6	14.5	14.7	14.7	0.0	15.2	15.5	15.6	15.4	15.6	15.4	15.9	Compliant
14:00 - 14:59	14.8	14.8	15.0	14.8	14.7	14.6	14.8	14.8	0.0	15.2	15.5	15.8	15.6	15.7	15.5	15.9	Compliant
15:00 - 15:59	14.8	14.9	15.0	14.8	14.9	14.6	14.9	14.9	0.0	15.2	15.6	15.8	15.9	15.8	15.7	15.8	Compliant
16:00 - 16:59	14.9	14.9	15.0	14.9	14.9	14.8	14.9	15.0	0.0	15.1	15.6	15.9	16.0	15.7	15.6	15.9	Compliant
17:00 - 17:59	15.0	15.0	15.0	15.0	14.9	14.8	14.9	14.9	0.0	15.2	15.3	16.0	15.9	16.0	15.8	15.7	Compliant
18:00 - 18:59	15.1	15.0	15.6	15.0	15.1	14.9	15.0	14.9	0.0	15.4	15.3	16.4	15.9	16.0	16.1	15.7	Compliant
19:00 - 19:59	15.1	15.2	15.5	14.9	15.1	14.9	15.1	15.0	0.0	15.3	15.4	16.0	15.7	16.0	15.9	15.7	Compliant
20:00 - 20:59	15.2	15.5	15.3	14.8	15.0	14.9	15.2	15.1	16.0	15.4	15.3	15.6	15.6	15.8	15.8	15.8	Compliant
21:00 - 21:59	15.3	15.5	15.1	14.8	14.9	14.9	15.2	15.0	15.2	15.4	15.2	15.3	15.4	15.7	15.7	15.7	Compliant
22:00 - 22:59	15.3	15.3	14.9	14.7	14.7	14.7	15.1	14.8	16.0	15.5	15.0	15.1	15.2	15.6	15.7	15.7	Compliant
23:00 - 23:59	15.4	15.3	14.7	15.0	14.5	14.6	14.9	14.7	16.4	15.4	15.0	15.2	15.1	15.6	15.7	15.9	Compliant

### Unit 1 NO<sub>x</sub> (ppmv) - August 2020

Time	01-Aug	02-Aug	03-Aug	04-Aug	05-Aug	06-Aug	07-Aug	08-Aug	09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	Remarks
00:00 - 00:59	15.9	16.0	16.0	15.0	14.8	15.2	15.3	15.2	15.1	15.2	15.2	15.2	15.1	14.8	15.0	Compliant
01:00 - 01:59	15.9	15.9	16.0	15.0	14.8	15.1	15.2	15.1	15.1	15.2	15.2	15.2	15.2	14.9	15.0	Compliant
02:00 - 02:59	15.8	15.9	15.8	14.8	14.9	15.1	15.2	15.2	15.1	15.2	15.2	15.2	15.1	15.2	14.7	Compliant
03:00 - 03:59	15.8	15.8	16.0	14.9	14.9	15.1	15.2	15.1	15.1	15.2	15.1	15.2	15.1	15.0	14.9	Compliant
04:00 - 04:59	15.7	15.9	15.9	15.1	14.9	15.1	15.2	15.1	15.1	15.2	15.1	15.0	15.0	15.0	14.9	Compliant
05:00 - 05:59	15.7	15.8	15.8	15.0	14.9	15.1	15.1	15.1	15.1	15.2	15.0	15.0	15.1	15.0	14.9	Compliant
06:00 - 06:59	15.6	15.8	15.8	15.2	14.9	15.0	15.1	15.0	15.1	15.1	15.0	15.0	15.0	15.0	14.9	Compliant
07:00 - 07:59	15.5	15.7	15.8	15.2	14.9	15.0	15.1	15.1	15.1	15.0	15.0	14.9	15.0	14.9	14.8	Compliant
08:00 - 08:59	15.6	15.8	15.7	15.2	14.4	15.0	15.0	15.0	15.0	15.0	15.0	14.5	14.8	14.9	14.8	Compliant
09:00 - 09:59	15.6	15.7	15.6	15.2	14.8	15.0	15.0	14.4	14.9	14.8	14.9	14.8	14.8	14.9	14.8	Compliant
10:00 - 10:59	15.6	15.8	15.5	14.9	14.8	15.0	15.0	14.8	14.9	14.9	14.9	14.8	14.8	14.8	14.5	Compliant
11:00 - 11:59	15.7	15.8	15.3	15.4	14.8	15.0	15.1	15.0	15.0	15.0	15.0	14.8	14.8	14.8	14.7	Compliant
12:00 - 12:59	15.8	15.8	15.1	15.4	14.9	15.1	15.1	14.9	15.1	15.0	15.1	15.1	14.8	14.9	14.9	Compliant
13:00 - 13:59	15.9	15.9	15.1	15.4	15.0	15.2	15.2	15.1	15.2	15.1	15.2	15.1	14.8	14.9	14.8	Compliant
14:00 - 14:59	16.0	16.1	15.5	15.2	15.2	15.3	15.2	15.2	15.2	15.1	15.3	15.1	14.9	15.0	14.9	Compliant
15:00 - 15:59	16.0	16.1	15.6	15.1	15.2	15.3	15.2	15.1	15.3	15.2	15.2	15.3	15.0	15.0	15.0	Compliant
16:00 - 16:59	16.0	16.1	15.7	15.2	15.2	15.4	15.2	15.1	15.2	15.2	15.3	15.2	15.0	15.0	15.0	Compliant
17:00 - 17:59	16.1	16.4	15.8	15.2	15.2	15.4	15.3	15.2	15.2	15.2	15.3	15.2	15.0	15.1	15.0	Compliant
18:00 - 18:59	16.0	16.4	15.9	15.1	15.2	15.4	15.3	15.2	15.2	15.2	15.4	15.1	15.1	15.2	15.1	Compliant
19:00 - 19:59	16.1	16.4	16.0	15.0	15.3	15.4	15.5	15.1	15.2	15.2	15.4	15.2	15.1	15.1	15.0	Compliant
20:00 - 20:59	16.1	16.3	15.9	14.8	15.2	15.5	15.5	15.2	15.1	15.2	15.4	15.3	15.0	15.1	14.9	Compliant
21:00 - 21:59	16.2	16.2	15.8	14.9	15.2	15.4	15.5	15.1	15.1	15.2	15.3	15.2	15.0	15.0	15.0	Compliant
22:00 - 22:59	16.1	16.0	15.4	14.9	15.1	15.2	15.3	15.1	15.1	15.2	15.3	15.2	15.1	15.0	15.0	Compliant
23:00 - 23:59	16.1	16.1	14.9	14.9	15.2	15.1	15.3	15.1	15.1	15.2	15.3	15.0	14.7	15.0	14.9	Compliant

Time	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	Remarks
00:00 - 00:59	15.0	14.9	15.1	15.1	15.0	15.1	15.4	15.4	15.5	14.8	14.1	14.4	14.2	14.4	14.5	14.6	Compliant
01:00 - 01:59	15.0	14.8	15.1	15.2	15.1	15.2	15.4	15.5	15.2	14.6	14.1	14.4	14.1	14.4	14.4	14.6	Compliant
02:00 - 02:59	15.0	14.8	15.2	15.2	14.9	15.2	15.4	15.5	15.3	14.6	14.1	14.4	14.3	14.4	14.4	14.5	Compliant
03:00 - 03:59	14.9	14.8	15.2	15.1	15.1	15.2	15.4	15.5	15.2	14.5	14.2	14.4	14.1	14.4	14.5	14.5	Compliant
04:00 - 04:59	14.9	14.9	15.2	15.1	15.2	15.2	15.4	15.5	15.2	14.6	14.1	14.3	14.1	14.4	14.6	14.5	Compliant
05:00 - 05:59	15.0	14.9	15.1	15.1	15.1	15.0	15.3	15.5	15.3	14.6	14.3	14.4	14.1	14.4	14.6	14.6	Compliant
06:00 - 06:59	14.9	14.8	15.1	15.1	15.1	15.1	15.3	15.5	15.2	14.6	14.6	14.5	14.5	14.5	14.7	14.6	Compliant
07:00 - 07:59	15.0	14.8	15.0	15.0	15.0	15.1	15.1	15.4	15.2	14.6	14.6	14.5	14.5	14.5	14.6	14.5	Compliant
08:00 - 08:59	14.9	14.8	15.0	14.8	15.0	15.1	15.0	15.4	15.2	14.5	14.5	14.5	14.4	14.4	14.5	14.5	Compliant
09:00 - 09:59	14.8	14.8	15.0	14.6	14.9	15.0	14.8	15.3	15.1	14.5	14.0	14.4	14.2	13.8	14.4	16.0	Compliant
10:00 - 10:59	14.7	14.8	15.0	15.0	14.9	15.0	14.6	15.3	15.2	14.5	14.4	14.6	14.4	14.3	14.4	14.7	Compliant
11:00 - 11:59	14.7	15.1	15.0	15.2	15.0	15.1	15.1	15.2	15.2	14.6	14.4	14.6	14.5	14.5	14.4	15.0	Compliant
12:00 - 12:59	14.8	15.2	15.0	15.1	15.1	15.2	15.3	15.1	15.3	14.6	14.4	14.8	14.5	14.7	14.7	14.9	Compliant
13:00 - 13:59	14.8	15.1	15.0	15.1	15.2	15.3	15.6	15.4	15.3	14.8	14.5	14.7	14.7	14.7	14.8	15.0	Compliant
14:00 - 14:59	14.9	15.2	15.1	15.0	15.1	15.4	15.7	15.3	15.3	14.6	14.5	14.7	14.6	14.7	14.8	15.0	Compliant
15:00 - 15:59	14.8	15.2	15.1	15.1	15.2	15.5	15.5	15.7	15.0	14.6	14.5	14.7	14.9	14.8	14.9	15.1	Compliant
16:00 - 16:59	14.9	15.3	15.1	15.1	15.1	15.5	15.2	15.8	14.8	14.6	14.6	14.7	14.7	14.8	15.1	15.1	Compliant
17:00 - 17:59	15.0	15.3	15.1	15.2	15.1	15.5	15.0	15.6	14.9	14.5	14.6	14.7	14.7	14.8	14.8	15.2	Compliant
18:00 - 18:59	14.9	15.2	15.0	15.2	15.1	15.6	15.2	15.4	14.8	14.5	14.7	14.7	14.8	14.7	14.7	15.1	Compliant
19:00 - 19:59	14.8	15.2	15.3	15.2	15.2	15.5	15.3	15.5	14.8	14.6	14.7	14.6	14.6	14.7	14.6	15.1	Compliant
20:00 - 20:59	15.0	15.1	15.2	15.3	15.2	15.3	15.3	15.5	14.8	14.7	14.7	14.6	14.5	14.5	14.5	15.2	Compliant
21:00 - 21:59	15.1	15.3	15.2	15.3	15.2	15.3	15.4	15.4	14.8	14.7	14.7	14.6	14.5	14.5	14.6	15.1	Compliant
22:00 - 22:59	15.1	15.2	15.2	15.3	15.3	15.4	15.1	15.3	14.7	14.7	14.4	14.4	14.4	14.5	14.6	15.0	Compliant
23:00 - 23:59	15.0	15.2	15.3	15.2	15.2	15.4	15.2	15.0	14.7	14.1	14.4	14.2	14.5	14.5	14.6	15.0	Compliant

## Unit 1 NO<sub>x</sub> (ppmv) - September 2020

Time	01-Sep	02-Sep	03-Sep	04-Sep	05-Sep	06-Sep	07-Sep	08-Sep	09-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	Remarks
00:00 - 00:59	15.1	14.6	15.0	14.7	14.4	14.4	14.6	14.9	15.0	15.0	15.1	15.3	15.1	15.2	14.3	Compliant
01:00 - 01:59	15.1	14.4	15.2	14.8	14.3	14.3	14.7	15.1	15.1	15.0	15.1	15.4	15.2	15.2	15.3	Compliant
02:00 - 02:59	15.0	14.9	15.3	15.0	14.9	14.3	14.6	15.0	15.2	14.7	15.3	15.3	15.2	15.3	14.2	Compliant
03:00 - 03:59	15.1	15.0	15.2	14.8	14.3	14.3	14.4	15.0	15.3	14.7	15.3	15.2	15.2	15.3	14.1	Compliant
04:00 - 04:59	15.1	14.9	15.2	14.7	14.4	14.4	14.4	15.0	15.3	14.7	15.3	15.2	15.2	15.2	14.2	Compliant
05:00 - 05:59	15.1	15.0	15.2	15.2	15.2	14.9	14.9	15.4	15.6	15.4	15.4	15.6	15.3	15.3	14.4	Compliant
06:00 - 06:59	15.1	15.0	15.2	15.2	15.2	15.1	15.1	15.6	15.7	15.5	15.4	15.6	15.6	15.5	14.6	Compliant
07:00 - 07:59	15.0	15.1	15.1	15.1	15.2	15.0	15.0	15.5	15.6	15.5	15.4	15.6	15.5	15.5	14.6	Compliant
08:00 - 08:59	14.9	14.8	15.0	15.0	15.0	14.9	14.9	15.5	15.5	15.4	15.4	15.3	15.5	15.5	14.5	Compliant
09:00 - 09:59	14.8	14.5	14.9	15.1	14.9	15.0	14.8	15.4	15.1	15.3	15.2	15.2	15.4	15.3	12.8	Compliant
10:00 - 10:59	14.8	14.9	14.9	15.1	14.8	15.0	14.8	15.6	15.4	15.3	15.2	15.3	15.4	15.3	14.7	Compliant
11:00 - 11:59	14.8	14.9	14.9	15.1	15.2	15.1	13.2	15.5	15.4	15.4	15.4	15.5	15.5	15.4	14.8	Compliant
12:00 - 12:59	15.1	15.1	15.1	15.3	15.3	15.3	15.7	15.7	15.5	15.4	15.5	15.6	15.6	15.5	14.9	Compliant
13:00 - 13:59	15.3	15.2	15.1	15.5	15.2	15.2	15.7	15.9	15.7	15.6	15.5	15.6	15.9	15.6	14.9	Compliant
14:00 - 14:59	15.3	15.1	15.4	15.6	15.2	15.3	15.7	15.8	15.7	15.5	15.5	15.6	15.6	15.8	14.8	Compliant
15:00 - 15:59	15.1	15.0	15.3	15.7	15.2	15.3	15.6	15.7	15.7	15.5	15.6	15.5	15.5	16.3	14.7	Compliant
16:00 - 16:59	15.0	14.9	15.2	15.4	15.1	15.3	15.7	15.8	15.5	15.5	15.5	15.5	15.5	16.0	14.7	Compliant
17:00 - 17:59	15.0	14.9	15.0	15.4	15.2	15.4	15.6	16.0	15.5	15.5	15.4	15.5	15.4	16.0	14.7	Compliant
18:00 - 18:59	15.0	14.9	15.1	15.5	15.2	15.4	15.8	15.8	15.4	15.5	15.4	15.5	15.6	14.4	14.7	Compliant
19:00 - 19:59	15.2	14.9	15.3	15.4	15.2	15.3	15.8	15.8	15.5	15.4	15.4	15.6	15.6	15.1	14.7	Compliant
20:00 - 20:59	15.1	15.0	15.3	15.3	15.1	15.4	15.7	15.8	15.6	15.4	15.4	15.5	15.4	15.0	14.8	Compliant
21:00 - 21:59	15.1	15.0	15.3	15.1	15.1	15.4	15.6	15.8	15.7	15.5	15.4	15.5	15.3	14.9	14.8	Compliant
22:00 - 22:59	14.9	15.0	15.2	14.9	15.2	15.2	15.6	15.6	15.6	15.4	15.4	15.5	15.2	14.8	14.9	Compliant
23:00 - 23:59	14.8	15.0	15.1	15.2	14.8	14.6	15.3	15.1	15.3	15.1	15.2	15.2	15.5	14.6	14.6	Compliant

Time	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	Remarks
00:00 - 00:59	14.7	14.6	14.6	14.7	14.2	15.4	15.6	15.7	15.5	15.9	15.4	15.7	15.5	15.6	14.2	Compliant
01:00 - 01:59	14.6	14.3	14.7	14.5	14.2	15.5	15.7	15.5	15.5	15.7	15.7	15.3	15.6	14.5	14.3	Compliant
02:00 - 02:59	14.5	14.2	14.8	14.5	14.0	15.4	15.7	15.7	15.6	15.7	15.8	15.4	15.7	14.4	14.4	Compliant
03:00 - 03:59	14.6	14.1	14.7	14.6	14.1	15.5	15.8	15.8	15.7	15.6	15.7	15.5	15.7	14.5	14.3	Compliant
04:00 - 04:59	14.7	14.0	14.7	14.5	14.4	15.4	15.6	15.7	15.6	15.4	15.4	15.5	15.7	14.1	14.3	Compliant
05:00 - 05:59	14.8	14.7	14.9	14.9	14.2	15.3	15.6	15.5	15.5	15.2	15.3	15.7	15.8	14.4	14.3	Compliant
06:00 - 06:59	14.9	15.0	14.9	14.9	14.8	15.8	15.7	15.8	15.8	15.5	15.6	15.8	15.9	14.8	14.7	Compliant
07:00 - 07:59	14.8	14.9	14.9	14.9	15.0	15.7	15.8	15.9	15.9	15.8	15.7	15.7	15.8	14.8	14.8	Compliant
08:00 - 08:59	14.7	14.7	14.9	15.0	14.8	15.8	15.8	15.5	15.8	15.8	15.7	15.6	15.8	14.8	14.4	Compliant
09:00 - 09:59	14.2	14.7	14.8	14.5	14.7	15.8	15.7	15.6	15.6	15.7	15.2	15.6	15.7	14.6	14.5	Compliant
10:00 - 10:59	14.5	14.7	14.9	14.9	13.4	15.8	15.7	15.7	15.7	15.6	15.5	15.5	13.8	14.6	14.6	Compliant
11:00 - 11:59	14.6	14.8	15.1	14.9	15.6	15.8	15.8	15.9	15.8	15.7	15.5	15.6	14.8	14.6	14.6	Compliant
12:00 - 12:59	14.7	14.8	14.8	14.8	15.1	15.8	15.8	16.0	15.9	15.7	15.7	15.6	14.8	14.5	14.7	Compliant
13:00 - 13:59	14.8	14.8	15.0	14.6	15.9	15.9	15.8	16.0	15.9	15.7	15.7	15.7	14.9	14.9	14.7	Compliant
14:00 - 14:59	14.9	14.8	15.0	14.5	16.0	16.2	15.9	16.1	14.8	15.7	15.7	15.7	14.8	22.4	14.8	Compliant
15:00 - 15:59	14.8	14.9	15.0	14.5	16.1	16.2	16.0	16.1	15.8	15.7	15.7	15.7	14.7	17.6	14.8	Compliant
16:00 - 16:59	14.7	15.0	15.1	14.5	16.1	16.2	15.9	16.0	14.7	15.7	15.7	15.7	14.7	15.2	14.8	Compliant
17:00 - 17:59	14.7	15.0	15.0	14.4	16.0	16.2	16.0	16.0	15.8	15.7	15.7	15.7	0.0	15.0	14.8	Compliant
18:00 - 18:59	14.7	15.2	15.0	14.5	15.9	16.2	16.2	16.0	15.9	15.8	15.7	15.7	0.0	14.9	14.9	Compliant
19:00 - 19:59	14.8	15.2	15.0	14.4	16.1	16.0	16.1	16.1	15.7	15.8	15.7	15.7	0.0	15.0	14.9	Compliant
20:00 - 20:59	14.9	15.1	15.0	14.4	16.0	16.0	15.8	16.0	15.8	15.9	15.8	15.8	25.3	14.9	14.9	Low Load
21:00 - 21:59	14.8	15.0	15.0	14.5	15.6	16.0	15.4	16.0	15.5	15.7	15.8	15.8	23.3	14.9	14.8	Compliant
22:00 - 22:59	14.8	14.9	15.0	14.4	15.6	15.8	15.6	15.9	15.7	15.8	15.8	15.7	24.4	14.9	14.7	Compliant
23:00 - 23:59	14.6	14.6	15.0	14.2	15.5	15.6	15.7	15.8	15.7	15.4	15.8	15.7	21.6	14.5	14.6	Compliant

**Unit 1 NO<sub>x</sub> (ppmv) - October 2020**

Time	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	Remarks
00:00 - 00:59	14.6	14.3	14.6	14.5	14.7	14.6	15.0	14.9	15.3	14.5	14.7	14.9	14.3	25.8	14.2	Low Load
01:00 - 01:59	14.4	14.3	14.3	14.5	14.5	14.6	14.9	15.0	15.4	14.5	14.7	14.9	14.2	28.5	14.1	Low Load
02:00 - 02:59	14.5	14.5	14.2	14.3	13.8	14.6	14.6	15.0	15.3	14.6	14.6	14.9	13.9	18.2	14.0	Compliant
03:00 - 03:59	14.3	14.4	14.2	14.1	13.9	14.6	14.6	15.0	15.2	14.6	14.6	14.6	13.4	14.5	13.8	Compliant
04:00 - 04:59	14.3	14.3	14.3	14.2	14.6	14.5	14.4	15.0	15.2	14.5	14.7	14.7	14.0	14.4	14.0	Compliant
05:00 - 05:59	14.5	14.3	14.4	14.3	14.5	14.7	14.3	15.0	15.3	14.6	14.8	14.8	13.9	14.2	14.0	Compliant
06:00 - 06:59	14.6	14.4	14.4	14.3	14.5	14.8	14.6	15.0	15.3	14.9	14.9	14.8	14.1	14.1	14.0	Compliant
07:00 - 07:59	14.6	14.5	14.4	14.5	14.5	14.8	14.8	14.9	14.9	15.1	14.9	14.8	14.0	14.1	14.0	Compliant
08:00 - 08:59	14.5	14.5	14.4	14.5	14.4	14.7	14.8	15.0	15.4	15.1	14.8	15.0	14.0	14.1	14.0	Compliant
09:00 - 09:59	14.5	14.4	13.9	14.5	14.4	14.7	15.0	15.1	15.3	14.7	14.8	15.0	14.0	14.1	14.1	Compliant
10:00 - 10:59	14.4	14.3	14.3	14.5	14.3	14.8	15.1	15.3	15.3	15.2	14.9	15.0	14.3	13.8	14.3	Compliant
11:00 - 11:59	14.5	14.5	14.4	14.4	12.6	15.0	15.2	15.5	15.2	15.0	14.8	14.8	14.4	14.5	14.5	Compliant
12:00 - 12:59	14.6	14.6	14.6	14.5	15.1	15.2	15.3	15.4	15.1	14.9	14.6	15.6	14.6	14.6	14.7	Compliant
13:00 - 13:59	14.7	14.6	14.6	14.5	15.3	15.2	15.4	15.2	14.9	14.6	14.7	19.4	14.7	14.8	15.2	Compliant
14:00 - 14:59	14.6	14.6	14.6	0.0	15.3	15.3	15.3	15.2	14.9	14.6	14.8	14.1	14.7	14.9	15.0	Compliant
15:00 - 15:59	14.6	14.6	14.6	20.3	15.3	15.1	15.1	15.3	14.6	14.5	14.6	14.9	14.8	14.9	15.1	Compliant
16:00 - 16:59	14.6	14.6	14.6	23.7	15.2	15.0	15.1	15.4	14.4	14.3	14.8	15.0	14.7	14.9	15.1	Compliant
17:00 - 17:59	14.6	14.5	14.6	24.8	15.1	15.1	15.1	15.3	14.5	14.5	14.6	14.7	14.8	14.9	15.3	Compliant
18:00 - 18:59	14.6	14.5	14.6	18.1	15.1	15.1	15.1	15.2	14.7	14.6	14.8	14.8	14.8	15.0	15.0	Compliant
19:00 - 19:59	14.7	14.6	14.5	15.7	15.1	15.1	15.1	15.3	14.9	14.7	15.0	14.8	14.8	14.9	14.9	Compliant
20:00 - 20:59	14.7	14.6	14.5	15.2	15.1	15.1	15.1	15.3	15.0	14.9	15.0	14.8	14.6	14.8	14.8	Compliant
21:00 - 21:59	14.6	14.6	14.5	15.0	15.1	15.1	15.1	15.3	15.0	15.0	15.0	14.6	14.6	14.6	14.6	Compliant
22:00 - 22:59	14.4	14.5	14.6	14.9	15.1	15.1	15.1	15.4	15.0	14.8	14.7	14.5	0.0	14.5	14.5	Compliant
23:00 - 23:59	14.6	14.6	14.5	14.7	14.9	15.0	14.9	15.3	14.8	14.6	15.0	14.4	19.2	14.4	14.6	Compliant

Time	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	Remarks
00:00 - 00:59	14.6	14.3	14.2	14.4	14.1	14.4	14.2	14.2	14.3	14.4	14.6	13.7	13.9	13.5	13.8	13.3	Compliant
01:00 - 01:59	14.5	14.4	14.2	14.3	14.1	14.3	14.2	14.2	14.3	14.3	14.3	14.6	13.7	13.8	13.9	13.3	Compliant
02:00 - 02:59	14.3	14.3	14.2	14.3	14.1	14.3	14.2	14.3	14.2	14.3	14.5	13.6	13.8	13.4	13.8	13.2	Compliant
03:00 - 03:59	14.2	14.2	14.2	14.2	14.1	14.2	14.1	14.2	14.2	14.3	14.5	13.6	13.7	13.3	13.8	13.3	Compliant
04:00 - 04:59	14.1	14.2	14.2	14.2	14.1	14.1	14.0	14.1	14.1	14.3	14.5	13.5	13.6	13.4	13.8	13.3	Compliant
05:00 - 05:59	14.1	14.0	14.2	14.2	14.0	14.2	14.0	14.2	14.0	14.3	14.5	13.5	13.5	13.5	13.8	12.4	Compliant
06:00 - 06:59	14.2	14.0	14.1	14.3	14.1	14.2	14.1	14.2	14.0	14.2	14.4	13.4	13.6	13.4	13.7	0.0	Compliant
07:00 - 07:59	14.1	13.9	14.1	14.3	14.2	14.2	14.1	14.1	14.0	14.3	14.3	13.4	13.6	13.5	13.8	0.0	Compliant
08:00 - 08:59	14.2	13.9	14.1	14.3	14.1	14.0	14.0	14.2	14.0	14.2	14.3	13.4	13.2	13.6	13.8	0.0	Compliant
09:00 - 09:59	14.3	14.6	14.1	14.3	14.1	13.8	13.9	14.2	14.0	14.3	14.4	13.4	13.3	13.7	13.6	0.0	Compliant
10:00 - 10:59	14.5	24.9	14.2	14.3	14.0	14.2	13.8	14.2	13.6	14.4	14.4	13.5	13.6	13.8	13.5	0.0	Compliant
11:00 - 11:59	14.4	26.6	14.4	14.3	14.0	14.3	13.9	14.2	14.2	14.6	14.4	13.6	13.6	13.9	13.4	0.0	Low Load
12:00 - 12:59	14.6	21.2	14.5	14.4	14.1	14.4	14.0	14.3	14.2	14.7	15.0	13.7	13.7	14.0	13.7	0.0	Compliant
13:00 - 13:59	14.5	15.8	14.7	14.6	14.3	14.5	14.1	14.4	14.4	14.9	15.2	13.9	13.9	14.1	13.8	0.0	Compliant
14:00 - 14:59	14.9	15.5	14.8	14.5	14.5	14.6	14.2	14.5	14.4	14.9	14.1	14.0	13.8	14.2	13.7	0.0	Compliant
15:00 - 15:59	15.1	15.2	14.8	14.6	14.5	14.6	14.3	14.5	14.5	14.7	12.8	13.9	13.9	14.3	13.8	0.0	Compliant
16:00 - 16:59	14.9	14.7	14.9	14.3	14.5	14.5	14.7	14.5	14.4	14.6	14.2	13.9	14.2	14.3	13.7	0.0	Compliant
17:00 - 17:59	14.8	13.9	14.9	14.6	14.4	14.5	14.8	14.5	14.4	14.6	14.0	14.0	14.0	14.2	13.8	0.0	Compliant
18:00 - 18:59	14.9	14.2	14.8	14.5	14.4	14.7	14.9	14.6	14.4	14.7	14.2	13.9	14.0	14.3	13.7	0.0	Compliant
19:00 - 19:59	14.9	14.2	14.9	14.6	14.4	14.5	14.7	14.5	14.4	14.7	14.1	14.0	14.0	14.1	13.8	0.0	Compliant
20:00 - 20:59	14.7	14.2	14.8	14.5	14.4	14.3	14.5	14.4	14.4	14.6	14.1	14.0	14.0	14.1	13.7	0.0	Compliant
21:00 - 21:59	14.6	14.2	14.8	14.4	14.4	14.2	14.4	14.2	14.4	14.6	13.9	13.9	13.8	14.1	13.5	0.0	Compliant
22:00 - 22:59	14.5	14.3	14.6	14.4	14.4	14.2	14.3	14.4	14.4	14.6	13.8	14.0	13.6	14.0	13.4	19.8	Compliant
23:00 - 23:59	14.4	14.2	14.5	14.2	14.3	14.1	14.3	14.3	14.4	14.5	13.8	13.9	13.6	13.9	13.3	24.7	Compliant



**Unit 1 NO<sub>x</sub> (ppmv) - November 2020**

Time	01-Nov	02-Nov	03-Nov	04-Nov	05-Nov	06-Nov	07-Nov	08-Nov	09-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	Remarks
00:00 - 00:59	25.3	13.6	13.6	13.8	13.4	13.5	13.5	13.4	12.6	14.6	14.6	14.8	14.7	15.0	14.8	Low Load
01:00 - 01:59	18.2	13.6	13.6	13.7	13.5	13.5	13.6	13.0	12.7	14.6	17.2	14.7	14.7	15.0	14.7	Compliant
02:00 - 02:59	25.4	13.5	13.7	13.8	13.2	13.5	13.5	13.3	13.3	14.6	15.2	14.7	14.6	15.0	14.8	Low Load
03:00 - 03:59	25.7	13.1	13.7	13.7	13.2	13.5	13.4	13.4	12.8	14.6	14.8	14.8	14.7	15.0	14.8	Low Load
04:00 - 04:59	18.6	13.5	16.0	13.7	13.4	13.5	13.5	13.3	13.2	14.5	14.7	14.5	14.7	15.0	14.8	Compliant
05:00 - 05:59	14.1	13.5	16.0	13.7	13.4	13.5	13.5	13.3	13.4	14.6	14.7	14.7	14.6	15.0	14.8	Compliant
06:00 - 06:59	13.8	13.5	16.0	13.7	13.4	13.5	13.5	13.4	13.5	14.6	14.7	14.7	14.7	14.8	14.9	Compliant
07:00 - 07:59	13.6	13.5	16.0	13.7	13.4	13.5	13.5	13.4	13.4	14.6	16.0	14.7	14.7	14.9	14.8	Compliant
08:00 - 08:59	13.5	13.5	33.8	13.7	13.4	13.5	13.3	13.3	13.4	14.6	14.9	14.7	14.7	14.6	14.8	Low Load
09:00 - 09:59	13.5	13.5	29.9	13.2	13.4	13.4	13.0	13.4	13.4	14.6	15.0	14.6	14.7	14.5	14.7	Low Load
10:00 - 10:59	13.5	13.6	25.3	13.5	13.4	13.4	13.3	13.3	13.3	14.5	14.7	14.6	14.7	14.7	14.6	Low Load
11:00 - 11:59	13.6	13.8	24.2	13.5	13.3	13.5	13.5	13.2	13.5	14.5	14.5	14.6	23.8	14.7	14.6	Compliant
12:00 - 12:59	13.6	13.8	19.1	13.4	13.4	13.4	13.4	13.2	14.5	14.6	14.8	14.6	26.8	14.7	14.6	Low Load
13:00 - 13:59	13.7	15.2	14.1	13.6	13.5	13.6	13.4	13.2	14.5	14.5	14.7	14.6	28.3	14.8	14.7	Low Load
14:00 - 14:59	13.7	15.5	14.3	13.7	13.5	13.8	13.5	13.3	14.5	14.6	14.7	14.7	28.4	14.8	14.7	Low Load
15:00 - 15:59	13.7	15.3	14.0	13.6	13.5	13.6	13.4	13.3	14.5	14.6	14.7	14.6	17.8	14.8	14.8	Compliant
16:00 - 16:59	13.7	13.5	13.9	13.7	13.4	13.5	13.4	13.3	14.4	14.6	14.7	14.6	15.6	14.8	14.6	Compliant
17:00 - 17:59	13.7	13.7	13.9	13.7	13.4	13.5	13.7	13.4	14.6	14.7	14.7	14.8	15.2	14.7	14.6	Compliant
18:00 - 18:59	13.9	13.7	13.9	13.6	13.4	13.5	13.5	13.4	15.0	14.7	14.7	14.5	15.3	14.8	14.8	Compliant
19:00 - 19:59	13.8	13.6	13.9	13.5	13.5	13.4	13.4	13.1	14.6	14.7	14.6	14.5	15.1	14.8	14.7	Compliant
20:00 - 20:59	13.7	13.5	13.8	13.5	13.5	13.4	13.4	13.3	14.6	16.0	14.7	14.5	15.0	14.8	14.8	Compliant
21:00 - 21:59	13.7	13.5	13.8	13.5	13.6	13.4	13.4	13.4	14.6	16.0	14.7	14.6	15.0	14.8	14.8	Compliant
22:00 - 22:59	13.6	13.6	13.8	13.5	13.5	13.5	13.5	13.4	14.6	16.0	14.7	14.6	15.0	14.7	14.8	Compliant
23:00 - 23:59	13.6	13.6	13.8	13.5	13.5	13.5	13.2	13.3	14.6	14.6	14.8	14.6	15.0	14.7	14.8	Compliant

Time	16-Nov	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	Remarks
00:00 - 00:59	14.8	14.4	14.4	14.4	14.2	14.2	14.1	14.3	14.4	13.5	13.4	13.4	13.4	0.0	0.0	Compliant
01:00 - 01:59	14.7	14.0	14.4	14.3	14.3	14.2	14.3	14.2	14.4	13.4	13.3	13.3	13.3	0.0	0.0	Compliant
02:00 - 02:59	14.7	14.1	14.4	14.4	14.3	14.0	14.3	14.2	14.4	13.3	13.1	13.2	13.1	0.0	0.0	Compliant
03:00 - 03:59	14.5	14.0	14.4	14.4	14.3	14.2	14.3	14.3	14.4	13.2	12.8	13.1	13.0	0.0	0.0	Compliant
04:00 - 04:59	14.3	14.2	14.4	14.4	14.3	14.2	14.3	14.2	14.4	13.2	12.8	13.0	12.9	0.0	0.0	Compliant
05:00 - 05:59	14.7	14.1	14.4	14.4	14.3	14.2	14.3	14.3	14.3	13.1	12.8	12.9	12.9	0.0	0.0	Compliant
06:00 - 06:59	14.7	14.3	14.4	14.4	14.3	14.2	14.2	14.3	14.4	13.1	12.6	12.8	12.8	0.0	0.0	Compliant
07:00 - 07:59	14.7	14.3	14.3	14.4	14.3	14.2	14.2	14.4	14.4	13.2	12.7	12.8	12.8	0.0	0.0	Compliant
08:00 - 08:59	14.7	14.2	14.2	14.4	14.2	14.1	14.2	14.3	14.4	13.2	12.6	12.7	12.7	0.0	0.0	Compliant
09:00 - 09:59	14.6	14.1	14.4	14.3	14.0	14.1	13.3	14.2	14.4	13.2	12.8	12.9	12.8	0.0	0.0	Compliant
10:00 - 10:59	14.6	14.2	14.2	14.3	14.0	13.7	14.0	14.2	14.4	13.0	13.1	13.0	12.9	0.0	0.0	Compliant
11:00 - 11:59	14.6	14.1	14.1	14.2	14.1	14.1	14.1	14.2	14.3	13.7	13.5	13.3	14.3	0.0	0.0	Compliant
12:00 - 12:59	14.6	14.3	14.3	14.2	14.1	14.1	14.0	14.2	14.3	13.8	13.7	13.5	14.7	0.0	0.0	Compliant
13:00 - 13:59	13.8	14.3	14.3	14.2	14.1	14.2	14.0	14.3	14.2	14.0	13.9	13.7	14.8	0.0	0.0	Compliant
14:00 - 14:59	14.3	14.3	14.2	14.2	14.1	14.2	14.1	14.3	14.2	14.1	14.0	13.9	14.7	0.0	0.0	Compliant
15:00 - 15:59	14.2	14.3	14.2	14.2	14.1	14.2	14.1	14.2	14.1	14.2	14.1	14.0	14.7	0.0	0.0	Compliant
16:00 - 16:59	14.4	14.3	14.1	14.1	14.1	14.2	14.0	14.2	14.0	14.2	14.1	14.0	14.7	0.0	0.0	Compliant
17:00 - 17:59	14.1	14.2	14.2	14.2	14.2	14.2	14.1	14.3	14.0	14.2	14.1	13.9	14.8	0.0	0.0	Compliant
18:00 - 18:59	14.2	14.5	14.3	14.2	14.2	14.2	14.2	14.3	14.0	14.3	14.1	14.0	14.8	0.0	0.0	Compliant
19:00 - 19:59	14.2	14.2	14.2	14.2	14.1	14.3	14.1	14.3	14.1	14.0	14.0	13.8	15.2	0.0	0.0	Compliant
20:00 - 20:59	14.3	14.3	14.2	14.1	14.1	14.2	14.2	14.3	13.9	13.9	13.9	13.8	14.4	0.0	0.0	Compliant
21:00 - 21:59	14.3	14.2	14.2	14.1	14.1	14.2	14.1	14.3	13.8	13.9	13.8	13.7	13.9	0.0	0.0	Compliant
22:00 - 22:59	14.4	14.3	14.3	14.1	14.1	14.2	14.2	14.3	13.7	13.8	13.7	13.6	13.4	0.0	0.0	Compliant
23:00 - 23:59	14.3	14.3	14.3	14.3	14.2	14.1	14.1	14.4	13.6	13.5	13.5	13.5	0.0	0.0	0.0	Compliant

### Unit 1 NO<sub>x</sub> (ppmv) - December 2020

Time	01-Dec-20	02-Dec-20	03-Dec-20	04-Dec-20	05-Dec-20	06-Dec-20	07-Dec-20	08-Dec-20	09-Dec-20	10-Dec-20	11-Dec-20	12-Dec-20	13-Dec-20	14-Dec-20	15-Dec-20	Remarks
00:00 - 00:59	0.0	0.0	17.7	16.9	16.6	16.3	25.8	16.6	15.6	15.3	16.0	15.8	15.8	15.8	15.8	Low Load
01:00 - 01:59	0.0	0.0	27.9	16.8	16.7	16.5	17.4	16.4	15.5	15.7	15.9	16.1	16.0	15.8	15.8	Low Load
02:00 - 02:59	0.0	0.0	23.5	16.7	16.6	16.6	17.2	16.5	15.5	15.6	16.0	16.1	16.0	15.9	15.7	Compliant
03:00 - 03:59	0.0	0.0	17.7	16.7	16.3	16.6	16.7	16.2	0.0	15.5	15.7	16.1	15.8	16.0	15.8	Compliant
04:00 - 04:59	0.0	0.0	17.4	16.8	16.5	16.4	16.8	16.3	0.0	15.7	15.8	16.0	15.8	16.0	15.8	Compliant
05:00 - 05:59	0.0	31.2	17.2	16.8	16.6	20.4	16.8	16.5	0.0	15.5	15.9	16.1	16.1	15.9	15.8	Low Load
06:00 - 06:59	0.0	49.2	17.0	16.8	16.7	0.0	16.9	16.4	0.0	15.5	16.1	16.3	16.1	16.0	15.9	Low Load
07:00 - 07:59	0.0	32.2	16.9	16.7	16.8	0.0	16.9	16.4	0.0	15.6	16.1	16.1	16.1	16.0	15.9	Low Load
08:00 - 08:59	0.0	18.0	16.9	16.8	16.8	0.0	16.6	16.4	0.0	15.6	16.1	16.1	16.0	16.0	16.0	Compliant
09:00 - 09:59	0.0	17.5	16.7	16.7	16.7	0.0	16.6	16.1	0.0	15.5	16.0	16.1	15.9	16.1	16.1	Compliant
10:00 - 10:59	0.0	17.3	16.4	16.7	16.6	0.0	16.6	15.2	18.1	15.5	16.0	16.1	16.0	16.0	16.0	Compliant
11:00 - 11:59	0.0	17.2	16.3	16.4	16.4	0.0	16.1	15.5	16.3	15.6	15.7	16.1	15.9	16.0	15.9	Compliant
12:00 - 12:59	0.0	17.3	16.4	16.3	16.3	0.0	16.2	15.1	30.3	15.4	15.5	15.6	15.7	15.7	15.6	Low Load
13:00 - 13:59	0.0	17.3	16.3	16.2	16.3	0.0	16.1	15.4	22.1	16.1	15.4	15.5	15.4	15.6	15.5	Compliant
14:00 - 14:59	0.0	17.3	16.3	16.3	16.3	0.0	16.2	15.8	25.4	15.5	15.3	15.5	15.4	15.6	15.6	Low Load
15:00 - 15:59	0.0	17.2	16.4	16.2	16.2	0.0	16.1	15.5	28.3	15.9	15.4	15.1	15.3	15.6	15.5	Low Load
16:00 - 16:59	0.0	17.2	16.7	16.1	16.2	0.0	16.1	15.4	21.8	16.0	15.2	15.4	15.4	15.5	15.4	Compliant
17:00 - 17:59	0.0	17.3	16.3	16.0	16.3	0.0	16.2	15.2	16.5	15.9	15.4	15.6	15.4	15.6	15.5	Compliant
18:00 - 18:59	0.0	17.3	16.4	16.2	16.1	0.0	16.2	15.3	15.8	15.6	15.5	15.7	15.6	15.7	15.7	Compliant
19:00 - 19:59	0.0	17.5	16.5	16.1	16.2	36.2	16.4	15.5	15.5	15.7	15.7	15.7	15.8	15.8	15.8	Low Load
20:00 - 20:59	0.0	17.6	16.4	16.5	16.3	30.9	16.5	15.5	15.4	15.8	15.9	15.8	15.7	16.0	16.0	Low Load
21:00 - 21:59	0.0	17.5	16.6	16.6	16.5	49.4	16.6	15.2	15.4	15.8	15.8	15.8	15.9	15.9	15.9	Low Load
22:00 - 22:59	0.0	17.7	16.7	16.6	16.3	39.3	16.5	14.9	15.4	15.8	15.7	15.7	15.9	15.8	15.6	Low Load
23:00 - 23:59	0.0	17.7	16.6	16.4	16.4	30.7	16.4	15.1	15.5	16.0	16.0	15.9	15.9	15.7	15.9	Low Load

Time	16-Dec-20	17-Dec-20	18-Dec-20	19-Dec-20	20-Dec-20	21-Dec-20	22-Dec-20	23-Dec-20	24-Dec-20	25-Dec-20	26-Dec-20	27-Dec-20	28-Dec-20	29-Dec-20	30-Dec-20	31-Dec-20	Remarks
00:00 - 00:59	16.0	16.0	15.2	16.2	16.1	16.2	15.9	16.0	16.0	15.8	16.1	16.1	16.0	16.4	16.4	16.2	Compliant
01:00 - 01:59	16.0	16.0	15.5	16.2	16.2	16.0	15.9	15.9	16.0	15.9	16.0	16.0	16.0	16.4	16.4	16.5	Compliant
02:00 - 02:59	16.0	15.9	15.5	16.2	16.1	16.1	15.8	15.9	16.1	15.9	16.0	16.0	16.0	16.5	16.2	16.6	Compliant
03:00 - 03:59	15.9	16.1	15.4	16.1	16.1	16.1	15.9	15.9	16.0	16.0	16.0	16.0	16.2	16.4	16.2	16.6	Compliant
04:00 - 04:59	16.0	16.0	15.3	16.1	16.1	16.3	16.1	16.1	15.8	16.2	16.0	16.1	16.0	16.5	16.5	16.6	Compliant
05:00 - 05:59	15.8	16.2	15.4	16.1	16.3	16.4	16.2	16.1	16.2	16.3	16.1	16.1	16.0	16.6	16.5	16.7	Compliant
06:00 - 06:59	15.9	16.2	15.4	16.1	16.4	16.6	16.2	16.3	16.1	16.4	16.3	16.1	16.1	16.6	16.6	16.8	Compliant
07:00 - 07:59	16.0	16.2	15.5	16.1	16.4	16.4	16.1	16.2	16.2	16.3	16.2	16.1	16.2	16.6	16.6	16.8	Compliant
08:00 - 08:59	15.9	16.1	15.5	16.3	16.2	16.5	16.0	16.1	16.2	15.8	15.8	16.0	16.0	16.4	16.5	16.6	Compliant
09:00 - 09:59	15.8	16.0	15.4	15.9	16.2	16.5	16.0	16.1	16.3	16.1	15.6	16.1	16.1	16.7	16.5	16.6	Compliant
10:00 - 10:59	15.4	16.0	15.3	15.9	16.1	15.8	16.0	16.0	16.2	16.1	15.8	16.0	16.0	16.6	16.0	16.5	Compliant
11:00 - 11:59	15.5	15.9	15.3	16.0	16.0	16.1	15.9	15.8	16.1	15.9	15.7	15.8	15.9	16.3	16.1	16.3	Compliant
12:00 - 12:59	15.5	15.9	14.5	15.9	15.6	15.5	15.5	15.4	15.6	15.5	15.5	15.7	14.4	16.0	16.2	16.2	Compliant
13:00 - 13:59	15.6	15.8	15.8	15.9	15.8	15.5	15.5	15.4	15.4	15.6	15.5	15.7	17.3	15.9	16.3	15.8	Compliant
14:00 - 14:59	15.7	15.8	16.0	15.9	15.7	15.5	15.5	15.5	15.5	15.6	15.5	15.6	17.6	15.8	16.2	15.8	Compliant
15:00 - 15:59	15.7	15.8	15.9	15.6	15.6	15.5	15.4	15.4	15.6	15.5	15.5	15.5	15.6	16.0	16.1	16.0	Compliant
16:00 - 16:59	15.6	15.9	15.9	15.5	15.7	15.5	15.4	15.3	15.6	15.5	15.4	15.6	13.1	15.9	16.0	16.1	Compliant
17:00 - 17:59	15.7	13.5	15.8	15.5	15.7	15.6	15.6	15.5	15.5	15.6	15.5	15.7	16.1	15.9	16.0	16.2	Compliant
18:00 - 18:59	15.8	15.2	15.7	15.7	15.8	15.6	15.7	15.6	15.7	15.7	15.5	15.8	16.1	16.0	16.2	16.2	Compliant
19:00 - 19:59	15.8	15.2	15.6	15.9	15.9	15.5	15.7	15.7	15.8	15.7	15.7	15.8	16.3	16.1	16.3	16.3	Compliant
20:00 - 20:59	15.9	15.3	15.8	15.9	16.0	15.8	15.9	15.9	15.8	15.7	15.7	15.7	15.8	16.2	16.3	16.2	Compliant
21:00 - 21:59	16.0	15.1	16.0	15.8	16.0	15.6	15.7	15.8	15.9	15.7	15.8	15.6	16.2	16.2	16.4	16.1	Compliant
22:00 - 22:59	16.0	15.1	16.1	16.0	16.0	15.7	15.6	15.5	15.5	15.9	15.7	15.8	16.2	16.0	16.4	16.4	Compliant
23:00 - 23:59	16.0	15.1	16.1	16.1	16.1	16.0	15.9	15.9	15.8	16.1	16.0	16.1	16.3	16.2	16.3	16.1	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - January 2020**

Time	1-Jan-20	2-Jan-20	3-Jan-20	4-Jan-20	5-Jan-20	6-Jan-20	7-Jan-20	8-Jan-20	9-Jan-20	10-Jan-20	11-Jan-20	12-Jan-20	13-Jan-20	14-Jan-20	15-Jan-20	Remarks
00:00 - 00:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.1	13.5	12.9	13.2	12.7	13.2	Compliant
01:00 - 01:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.2	13.6	12.9	13.1	12.9	13.0	Compliant
02:00 - 02:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	13.4	13.4	12.9	13.2	12.3	12.8	Compliant
03:00 - 03:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	13.3	13.2	13.0	13.3	12.5	13.0	Compliant
04:00 - 04:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	13.3	13.4	13.2	13.3	12.8	13.0	Compliant
05:00 - 05:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	13.2	13.3	13.0	13.1	12.9	12.9	Compliant
06:00 - 06:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	13.1	13.3	13.0	13.0	12.9	12.9	Compliant
07:00 - 07:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	13.1	13.2	13.1	13.0	12.9	12.9	Compliant
08:00 - 08:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.3	13.3	13.3	13.3	13.0	12.9	Compliant
09:00 - 09:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	13.3	13.5	13.5	13.1	13.3	13.1	Compliant
10:00 - 10:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.4	13.4	13.4	12.9	13.0	13.1	Compliant
11:00 - 11:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.5	13.4	13.2	13.0	13.0	13.2	Compliant
12:00 - 12:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	13.4	13.4	13.1	13.0	13.0	13.2	Compliant
13:00 - 13:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.4	13.4	13.1	12.9	13.1	13.1	Compliant
14:00 - 14:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.3	13.2	12.9	12.9	13.1	13.2	Compliant
15:00 - 15:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	13.4	13.3	13.2	12.9	12.9	13.1	13.2	Compliant
16:00 - 16:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	13.3	13.3	13.1	13.0	12.9	13.1	13.1	Compliant
17:00 - 17:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	13.2	13.3	13.1	12.9	12.9	13.1	13.0	Compliant
18:00 - 18:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	13.2	13.3	13.1	12.9	12.9	13.0	13.0	Compliant
19:00 - 19:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.3	13.4	13.0	12.9	13.0	13.0	13.0	Compliant
20:00 - 20:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.2	13.4	13.2	12.8	12.9	12.9	12.9	Compliant
21:00 - 21:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.2	13.3	13.3	12.8	12.7	12.9	13.0	Compliant
22:00 - 22:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.2	13.2	13.0	12.7	12.6	13.0	13.0	Compliant
23:00 - 23:59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.2	13.5	12.9	13.0	12.6	13.0	12.9	Compliant

Time	16-Jan-20	17-Jan-20	18-Jan-20	19-Jan-20	20-Jan-20	21-Jan-20	22-Jan-20	23-Jan-20	24-Jan-20	25-Jan-20	26-Jan-20	27-Jan-20	28-Jan-20	29-Jan-20	30-Jan-20	31-Jan-20	Remarks
00:00 - 00:59	13.0	12.4	12.4	12.5	12.2	12.5	12.2	12.4	12.1	12.1	12.2	12.4	12.6	13.5	13.4	11.3	Compliant
01:00 - 01:59	13.2	12.4	12.5	12.8	12.4	12.7	12.5	12.5	12.9	12.4	12.2	12.5	12.9	13.6	13.6	11.2	Compliant
02:00 - 02:59	13.1	12.4	12.4	12.8	12.8	12.6	12.7	12.8	11.9	11.9	12.4	12.4	13.0	13.7	13.6	11.0	Compliant
03:00 - 03:59	13.0	12.6	12.6	12.6	12.6	12.4	12.7	12.4	11.8	12.2	11.9	12.5	13.0	13.7	13.6	10.7	Compliant
04:00 - 04:59	13.0	12.7	12.8	12.5	12.6	12.7	12.6	12.8	12.0	12.3	11.9	12.8	12.8	13.3	13.6	11.3	Compliant
05:00 - 05:59	12.9	12.6	12.6	12.7	12.6	12.7	12.6	12.6	12.2	12.0	11.7	12.6	12.7	13.2	13.4	11.2	Compliant
06:00 - 06:59	12.9	12.6	12.6	12.6	12.5	12.7	12.6	12.5	12.4	12.0	11.6	13.2	12.6	13.2	13.3	11.2	Compliant
07:00 - 07:59	13.0	12.7	12.7	12.6	12.5	12.7	12.3	12.5	12.4	12.0	11.6	13.1	12.7	13.1	13.3	11.2	Compliant
08:00 - 08:59	13.1	12.8	12.6	12.7	12.7	13.0	12.6	12.6	12.6	11.8	11.7	13.1	12.9	13.0	0.0	11.1	Compliant
09:00 - 09:59	13.2	12.7	13.0	12.6	12.4	12.9	12.7	12.7	12.4	12.0	11.7	12.8	12.9	13.2	13.0	11.0	Compliant
10:00 - 10:59	13.2	12.9	12.9	12.6	12.7	12.7	12.7	12.7	12.3	11.8	11.6	13.0	12.7	13.0	13.0	11.1	Compliant
11:00 - 11:59	13.2	12.9	12.9	12.7	12.9	12.8	12.8	12.8	12.4	11.8	11.7	13.2	12.9	13.0	15.6	11.2	Compliant
12:00 - 12:59	13.1	12.9	12.8	12.7	12.8	12.9	12.9	12.9	12.4	11.8	11.7	13.3	12.9	13.1	12.9	11.3	Compliant
13:00 - 13:59	12.9	12.8	12.8	12.6	12.7	12.9	12.8	12.6	12.2	11.9	11.5	13.0	12.9	13.0	15.4	11.1	Compliant
14:00 - 14:59	12.7	12.7	12.6	12.5	12.6	12.7	12.4	12.4	12.5	11.7	11.6	13.1	12.7	13.0	17.4	11.1	Compliant
15:00 - 15:59	12.6	12.5	12.5	12.5	12.7	12.8	12.7	12.5	12.3	11.5	11.5	13.0	12.7	12.9	14.4	11.1	Compliant
16:00 - 16:59	12.6	12.5	12.6	12.3	12.8	12.7	12.8	12.2	12.1	11.6	11.5	13.2	12.6	13.0	13.8	11.0	Compliant
17:00 - 17:59	12.7	12.6	12.7	12.3	12.6	12.8	12.7	12.7	12.1	11.7	11.7	13.0	12.6	13.1	13.2	10.9	Compliant
18:00 - 18:59	12.6	12.6	12.6	12.3	12.6	12.5	12.6	12.6	12.0	11.6	15.6	12.9	12.6	13.0	12.7	10.8	Compliant
19:00 - 19:59	12.6	12.6	12.6	12.6	12.6	12.5	12.5	12.3	12.0	11.7	11.7	13.2	12.6	12.9	12.5	10.7	Compliant
20:00 - 20:59	12.6	12.6	12.5	12.3	12.5	12.4	12.5	12.2	11.8	11.7	11.5	12.9	12.7	12.9	12.1	10.7	Compliant
21:00 - 21:59	12.6	12.5	12.4	12.3	12.5	12.4	12.5	12.2	11.9	11.6	11.4	12.9	12.7	12.9	11.9	10.6	Compliant
22:00 - 22:59	12.6	12.5	12.5	12.4	12.5	12.3	12.5	12.1	11.6	11.6	15.0	12.6	13.1	12.7	11.8	10.5	Compliant
23:00 - 23:59	12.5	12.5	12.6	12.2	12.5	12.4	12.5	11.9	12.1	11.7	15.8	12.4	13.4	12.7	11.1	10.5	Compliant

**Unit 2 NOx (ppmv) - February 2020**

Time	1-Feb-20	2-Feb-20	3-Feb-20	4-Feb-20	5-Feb-20	6-Feb-20	7-Feb-20	8-Feb-20	9-Feb-20	10-Feb-20	11-Feb-20	12-Feb-20	13-Feb-20	14-Feb-20	Remarks
00:00 - 00:59	10.7	10.5	9.7	10.2	11.1	10.7	10.8	10.9	11.1	11.2	10.9	11.1	11.0	11.1	Compliant
01:00 - 01:59	10.7	10.7	9.7	10.2	11.1	11.4	10.9	10.9	11.1	11.4	11.2	11.2	11.4	11.1	Compliant
02:00 - 02:59	10.4	10.4	9.6	10.2	11.1	11.8	11.2	11.3	11.1	11.8	11.2	11.1	11.5	11.0	Compliant
03:00 - 03:59	10.5	10.1	9.8	10.3	11.0	11.4	10.9	11.2	10.9	11.7	11.3	11.0	11.5	11.0	Compliant
04:00 - 04:59	10.5	10.1	10.1	10.2	11.1	10.7	10.9	11.3	11.1	11.6	11.5	11.1	11.3	10.4	Compliant
05:00 - 05:59	11.2	10.6	10.5	10.1	11.1	11.2	11.0	11.4	11.3	11.6	11.5	11.4	11.3	10.8	Compliant
06:00 - 06:59	11.0	10.8	10.4	10.0	11.1	11.2	11.0	11.4	11.1	11.3	11.3	11.1	11.1	10.7	Compliant
07:00 - 07:59	10.7	10.8	10.4	9.9	11.0	11.2	11.1	11.4	11.1	11.3	11.2	10.9	11.1	10.7	Compliant
08:00 - 08:59	10.9	10.7	10.2	10.0	11.1	11.2	11.4	11.1	11.1	11.3	11.3	11.1	11.3	10.7	Compliant
09:00 - 09:59	10.8	10.5	10.2	10.0	10.9	11.1	11.0	10.8	11.1	11.2	11.2	11.0	11.1	10.6	Compliant
10:00 - 10:59	10.9	10.4	10.0	9.9	10.8	11.0	10.9	11.0	11.2	11.1	11.3	11.0	11.2	10.4	Compliant
11:00 - 11:59	11.0	10.6	9.9	10.1	10.6	11.0	10.9	11.1	11.3	11.1	11.4	11.1	9.3	10.4	Compliant
12:00 - 12:59	10.9	10.6	9.9	10.6	10.8	11.0	10.9	11.2	11.2	11.2	11.4	11.2	10.7	10.4	Compliant
13:00 - 13:59	11.0	10.5	10.0	10.3	10.7	10.9	10.9	11.0	11.3	11.3	11.4	11.2	10.8	10.5	Compliant
14:00 - 14:59	10.9	10.4	9.8	10.4	10.7	10.9	10.8	10.9	11.2	11.2	11.2	11.1	10.8	10.5	Compliant
15:00 - 15:59	10.8	10.3	9.8	8.2	10.6	10.8	10.7	11.0	11.2	11.1	11.0	11.0	10.7	10.7	Compliant
16:00 - 16:59	10.7	10.6	9.8	10.6	10.6	11.0	10.9	11.0	10.9	11.0	11.2	11.1	10.8	10.8	Compliant
17:00 - 17:59	10.7	10.2	9.7	10.6	10.7	11.0	10.9	11.1	11.0	11.0	11.2	11.1	10.8	10.6	Compliant
18:00 - 18:59	10.9	10.0	9.6	10.6	10.9	11.0	11.0	10.9	11.1	11.0	11.2	10.9	10.7	10.6	Compliant
19:00 - 19:59	10.5	10.0	9.7	10.6	11.1	10.9	10.9	10.9	11.1	11.1	11.1	10.8	10.5	10.5	Compliant
20:00 - 20:59	10.5	10.0	9.7	10.6	10.7	11.1	10.7	11.0	11.1	11.1	11.2	10.8	10.6	10.6	Compliant
21:00 - 21:59	10.5	10.0	9.7	10.7	10.8	10.8	10.8	10.9	11.2	11.1	11.1	10.8	10.5	10.8	Compliant
22:00 - 22:59	10.5	9.8	9.8	10.7	10.6	11.0	10.8	10.9	11.0	10.9	11.1	10.9	10.6	10.4	Compliant
23:00 - 23:59	10.6	9.8	10.1	11.1	10.9	10.8	11.0	11.1	11.2	11.0	11.1	10.9	10.5	10.5	Compliant

Time	15-Feb-20	16-Feb-20	17-Feb-20	18-Feb-20	19-Feb-20	20-Feb-20	21-Feb-20	22-Feb-20	23-Feb-20	24-Feb-20	25-Feb-20	26-Feb-20	27-Feb-20	28-Feb-20	29-Feb-20	Remarks
00:00 - 00:59	10.6	10.8	11.0	10.9	10.4	8.6	7.9	0.0	12.7	9.5	9.0	13.0	13.0	13.0	13.0	Compliant
01:00 - 01:59	10.5	10.7	10.6	10.7	10.2	8.3	7.9	0.0	10.5	9.1	8.4	13.0	13.0	13.0	13.0	Compliant
02:00 - 02:59	10.4	11.0	11.0	10.6	10.4	8.4	8.0	0.0	9.4	8.6	8.8	13.0	13.0	13.0	13.0	Compliant
03:00 - 03:59	10.4	10.9	10.9	10.6	10.4	8.4	7.8	0.0	9.2	8.2	8.6	13.0	13.0	13.0	13.0	Compliant
04:00 - 04:59	10.9	10.8	10.7	10.7	10.3	8.5	7.7	0.0	10.0	8.7	8.3	13.0	13.0	13.0	13.0	Compliant
05:00 - 05:59	10.9	10.8	10.7	10.8	10.4	8.8	7.7	0.0	10.5	9.2	7.9	13.0	13.0	13.0	13.0	Compliant
06:00 - 06:59	10.9	10.8	10.6	10.5	10.3	8.6	7.7	0.0	10.2	9.1	7.7	13.0	13.0	13.0	13.0	Compliant
07:00 - 07:59	10.6	10.8	10.5	10.6	10.2	8.6	7.5	0.0	10.9	8.4	8.1	13.0	13.0	13.0	13.0	Compliant
08:00 - 08:59	10.6	10.9	10.6	10.8	10.1	8.7	7.9	0.0	11.0	8.2	8.2	13.0	13.0	13.0	13.0	Compliant
09:00 - 09:59	10.3	10.9	10.6	10.7	10.2	9.6	8.6	0.0	10.4	8.1	8.3	13.0	13.0	13.0	13.0	Compliant
10:00 - 10:59	10.6	10.8	10.7	10.6	10.3	9.7	8.7	9.6	10.6	8.1	7.7	13.0	13.0	13.0	13.0	Compliant
11:00 - 11:59	10.8	10.8	10.7	10.6	10.3	9.6	8.6	10.7	3.6	7.8	7.3	13.0	13.0	13.0	13.0	Compliant
12:00 - 12:59	10.7	10.8	10.6	10.7	10.6	9.3	8.5	10.2	9.7	8.1	7.3	13.0	13.0	13.0	13.0	Compliant
13:00 - 13:59	10.8	10.7	10.5	10.5	10.6	9.2	8.9	9.9	9.3	7.7	7.4	13.0	13.0	13.0	13.0	Compliant
14:00 - 14:59	10.8	10.7	10.4	10.5	10.4	9.2	8.6	9.3	9.2	7.6	6.8	13.0	13.0	13.0	13.0	Compliant
15:00 - 15:59	10.6	10.6	10.5	10.4	10.4	9.0	8.6	9.0	10.0	7.4	7.0	13.0	13.0	13.0	13.0	Compliant
16:00 - 16:59	10.7	10.4	10.5	10.5	10.5	8.8	8.4	8.4	9.9	7.0	6.9	13.0	13.0	13.0	13.0	Compliant
17:00 - 17:59	10.6	10.6	10.7	10.2	10.3	9.8	8.7	8.4	9.9	9.0	8.2	13.0	13.0	13.0	13.0	Compliant
18:00 - 18:59	10.6	10.4	9.9	10.1	10.3	13.0	8.4	8.3	9.0	8.8	8.2	13.0	13.0	13.0	13.0	Compliant
19:00 - 19:59	10.8	10.4	9.8	10.2	10.0	9.2	8.4	8.4	8.6	8.1	7.3	13.0	13.0	13.0	13.0	Compliant
20:00 - 20:59	10.6	10.4	10.3	10.2	9.2	8.2	8.6	8.8	8.8	8.8	7.6	13.0	13.0	13.0	13.0	Compliant
21:00 - 21:59	10.5	10.7	10.6	10.1	9.2	8.4	8.5	8.8	7.9	8.1	7.5	13.0	13.0	13.0	13.0	Compliant
22:00 - 22:59	10.8	10.8	10.7	10.0	15.7	8.0	9.7	11.8	8.0	8.3	8.7	13.0	13.0	13.0	13.0	Compliant
23:00 - 23:59	10.3	10.8	10.6	10.2	13.0	8.0	2.8	14.6	8.0	8.6	7.1	13.0	13.0	13.0	13.0	Compliant



**Unit 2 NO<sub>x</sub> (ppmv) - March 2020**

Time	1-Mar-20	2-Mar-20	3-Mar-20	4-Mar-20	5-Mar-20	6-Mar-20	7-Mar-20	8-Mar-20	9-Mar-20	10-Mar-20	11-Mar-20	12-Mar-20	13-Mar-20	14-Mar-20	15-Mar-20	Remarks
00:00-00:59	13.0	13.0	9.1	9.0	9.2	9.1	9.8	9.4	9.0	8.7	12.8	13.0	13.0	13.0	13.0	Compliant
01:00-01:59	13.0	12.7	8.9	9.0	9.1	9.4	9.8	9.1	8.4	8.7	13.0	13.0	13.0	13.0	13.0	Compliant
02:00-02:59	13.0	12.6	8.8	9.4	9.1	9.0	9.6	8.7	8.5	8.4	13.0	13.0	13.0	13.0	13.0	Compliant
03:00-03:59	13.0	12.6	8.8	9.2	9.1	9.0	9.6	8.9	8.4	8.5	13.0	13.0	13.0	13.0	13.0	Compliant
04:00-04:59	13.0	12.8	9.4	9.5	9.2	9.5	9.7	9.4	8.7	9.1	13.0	13.0	13.0	13.0	13.0	Compliant
05:00-05:59	13.0	13.0	9.3	9.4	9.4	9.5	9.5	9.8	9.1	8.9	13.0	13.0	13.0	13.0	13.0	Compliant
06:00-06:59	13.0	13.0	9.3	9.2	9.4	9.3	9.6	9.5	8.9	9.0	13.0	13.0	13.0	13.0	13.0	Compliant
07:00-07:59	13.0	13.0	9.4	9.5	9.4	9.5	9.6	9.5	9.3	8.8	13.0	13.0	13.0	13.0	13.0	Compliant
08:00-08:59	13.0	13.0	9.6	9.6	9.4	9.5	9.5	9.7	9.1	8.7	13.0	13.0	13.0	13.0	13.0	Compliant
09:00-09:59	13.0	13.0	9.5	9.7	9.4	9.5	9.7	9.6	9.1	9.1	13.0	13.0	13.0	13.0	13.0	Compliant
10:00-10:59	13.0	13.0	9.4	9.8	9.3	9.7	9.7	9.7	9.4	9.3	13.0	13.0	13.0	13.0	13.0	Compliant
11:00-11:59	13.0	13.0	9.3	9.5	9.6	10.1	10.2	9.7	9.6	9.7	13.0	13.0	13.0	13.0	13.0	Compliant
12:00-12:59	13.0	9.4	9.4	9.8	9.8	9.8	10.2	9.6	9.6	9.7	13.0	13.0	13.0	13.0	13.0	Compliant
13:00-13:59	13.0	9.6	9.6	9.7	9.8	9.9	10.2	9.6	9.7	9.6	13.0	13.0	13.0	13.0	13.0	Compliant
14:00-14:59	13.0	9.2	9.9	9.6	9.9	10.1	10.4	9.5	9.8	9.5	13.0	13.0	13.0	13.0	13.0	Compliant
15:00-15:59	13.0	9.3	9.6	9.9	9.7	10.0	10.4	9.6	9.6	9.2	13.0	13.0	13.0	13.0	13.0	Compliant
16:00-16:59	13.0	9.2	9.8	9.8	9.9	10.2	10.4	9.4	9.4	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
17:00-17:59	13.0	9.3	9.7	10.0	9.9	9.9	10.3	9.4	9.6	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
18:00-18:59	13.0	9.1	9.7	9.6	9.8	10.1	10.1	9.4	9.3	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
19:00-19:59	13.0	9.4	9.6	9.5	9.6	10.0	10.1	9.4	9.2	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
20:00-20:59	13.0	9.4	9.4	9.5	9.6	9.8	9.8	9.4	9.3	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
21:00-21:59	13.0	9.4	9.3	9.3	9.5	10.0	9.9	9.2	9.4	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
22:00-22:59	13.0	9.4	9.2	9.3	9.4	10.0	9.8	9.4	9.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
23:00-23:59	13.0	9.4	9.0	9.4	9.3	9.8	9.4	8.9	8.8	13.0	13.0	13.0	13.0	13.0	13.0	Compliant

Time	16-Mar-20	17-Mar-20	18-Mar-20	19-Mar-20	20-Mar-20	21-Mar-20	22-Mar-20	23-Mar-20	24-Mar-20	25-Mar-20	26-Mar-20	27-Mar-20	28-Mar-20	29-Mar-20	30-Mar-20	31-Mar-20	Remarks
00:00-00:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
01:00-01:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
02:00-02:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
03:00-03:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
04:00-04:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
05:00-05:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
06:00-06:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
07:00-07:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
08:00-08:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
09:00-09:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
10:00-10:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
11:00-11:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
12:00-12:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
13:00-13:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
14:00-14:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
15:00-15:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
16:00-16:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
17:00-17:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
18:00-18:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
19:00-19:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
20:00-20:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
21:00-21:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
22:00-22:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant
23:00-23:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - April 2020**

Time	1-Apr-20	2-Apr-20	3-Apr-20	4-Apr-20	5-Apr-20	6-Apr-20	7-Apr-20	8-Apr-20	9-Apr-20	10-Apr-20	11-Apr-20	12-Apr-20	13-Apr-20	14-Apr-20	15-Apr-20	Remarks
00:00 - 00:59	0.0	13.0	13.0	11.1	11.4	10.9	11.1	10.9	10.9	12.5	12.3	12.3	12.6	12.1	12.5	Compliant
01:00 - 01:59	0.0	13.0	13.0	11.0	11.3	11.2	11.2	10.8	10.9	12.4	12.3	11.8	12.5	12.2	12.6	Compliant
02:00 - 02:59	0.0	13.0	13.0	10.7	10.5	11.0	11.4	10.8	10.9	12.3	11.7	12.0	12.7	12.2	12.6	Compliant
03:00 - 03:59	0.0	13.0	13.0	10.7	10.6	10.5	11.5	10.6	10.9	12.6	11.9	12.0	12.7	12.2	12.6	Compliant
04:00 - 04:59	0.0	13.0	13.0	11.0	11.2	11.0	11.6	10.9	10.9	12.5	12.8	12.0	12.7	12.2	12.6	Compliant
05:00 - 05:59	0.0	13.0	13.0	11.1	11.2	11.2	11.5	11.0	11.0	12.7	12.6	12.5	12.7	12.2	12.7	Compliant
06:00 - 06:59	0.0	13.0	13.0	11.0	11.3	11.2	11.5	11.0	11.1	12.7	12.7	12.5	12.7	12.2	12.7	Compliant
07:00 - 07:59	0.0	13.0	13.0	11.2	11.2	11.2	11.3	11.1	11.2	12.7	12.8	12.6	12.8	12.2	12.7	Compliant
08:00 - 08:59	0.0	13.0	13.0	11.1	11.2	11.1	11.2	11.0	11.2	12.8	12.8	12.6	12.8	12.2	12.8	Compliant
09:00 - 09:59	13.0	13.0	13.0	11.0	11.2	11.1	11.2	10.7	11.4	12.7	12.8	12.6	12.7	12.3	12.4	Compliant
10:00 - 10:59	13.0	13.0	13.0	11.0	11.1	11.1	11.3	10.8	12.3	12.7	12.5	12.6	12.7	12.2	12.7	Compliant
11:00 - 11:59	13.0	13.0	13.0	11.0	11.1	11.2	11.2	10.9	12.3	12.7	12.7	12.6	12.7	12.3	12.6	Compliant
12:00 - 12:59	13.0	13.0	12.2	10.7	11.1	11.2	11.1	11.1	12.3	12.6	12.6	12.6	12.7	12.5	12.6	Compliant
13:00 - 13:59	13.0	13.0	11.7	10.9	11.0	11.3	11.1	11.2	12.2	12.7	12.5	12.6	12.7	12.6	12.6	Compliant
14:00 - 14:59	13.0	13.0	0.0	11.0	11.0	11.2	10.9	11.1	12.1	12.6	12.4	12.5	12.6	12.5	12.5	Compliant
15:00 - 15:59	13.0	13.0	0.0	10.7	11.1	10.8	10.8	10.9	12.0	12.6	12.3	12.4	12.3	12.4	12.4	Compliant
16:00 - 16:59	13.0	13.0	0.0	10.6	10.9	10.7	10.8	10.9	11.9	12.4	12.2	12.3	12.1	12.3	12.3	Compliant
17:00 - 17:59	13.0	13.0	0.0	10.8	10.9	10.7	10.8	10.9	11.9	12.4	12.2	12.3	12.3	12.3	12.5	Compliant
18:00 - 18:59	13.0	13.0	32.2	10.9	10.9	10.7	10.8	10.9	11.9	12.5	12.3	12.4	12.3	12.3	12.1	Low Load
19:00 - 19:59	13.0	13.0	33.9	11.0	10.8	10.6	10.7	10.9	11.9	12.5	12.3	12.4	12.1	12.2	11.8	Low Load
20:00 - 20:59	13.0	13.0	12.7	11.2	10.9	10.8	10.8	10.9	11.9	12.4	12.2	12.5	12.2	12.2	11.8	Compliant
21:00 - 21:59	13.0	13.0	11.5	11.3	10.8	11.0	10.7	10.9	12.0	12.4	12.1	12.6	12.2	12.2	11.9	Compliant
22:00 - 22:59	13.0	13.0	11.0	11.2	10.9	11.0	10.8	10.9	12.0	12.2	12.1	12.6	12.2	12.2	11.9	Compliant
23:00 - 23:59	13.0	13.0	11.1	11.4	10.7	11.0	10.9	11.0	12.4	12.5	12.3	12.4	12.3	12.3	11.9	Compliant

Time	16-Apr-20	17-Apr-20	18-Apr-20	19-Apr-20	20-Apr-20	21-Apr-20	22-Apr-20	23-Apr-20	24-Apr-20	25-Apr-20	26-Apr-20	27-Apr-20	28-Apr-20	29-Apr-20	30-Apr-20	Remarks
00:00 - 00:59	12.2	12.6	12.7	12.2	12.1	0.0	12.7	12.7	12.8	12.7	12.8	12.8	12.5	13.0	13.2	Compliant
01:00 - 01:59	12.2	12.6	12.8	12.2	11.7	0.0	12.6	12.8	12.7	13.0	13.0	12.9	12.8	12.7	13.1	Compliant
02:00 - 02:59	12.4	12.7	12.3	12.3	11.4	13.5	12.7	12.8	12.6	13.1	13.1	12.7	13.1	12.9	13.1	Compliant
03:00 - 03:59	12.5	12.6	12.7	11.8	12.1	12.3	12.8	12.9	12.7	12.6	13.3	12.4	13.0	13.0	13.2	Compliant
04:00 - 04:59	12.7	12.7	12.7	12.2	12.1	11.9	12.8	12.9	12.7	12.9	13.3	12.9	13.1	13.1	13.2	Compliant
05:00 - 05:59	12.8	12.6	12.6	12.2	12.0	11.9	12.8	12.9	12.8	13.1	13.3	13.1	13.1	13.0	13.1	Compliant
06:00 - 06:59	12.8	12.6	12.7	12.2	12.0	11.9	12.8	13.0	12.8	13.0	13.2	13.2	13.1	13.1	13.1	Compliant
07:00 - 07:59	12.7	12.7	12.7	12.1	12.1	11.9	12.8	12.9	12.8	13.0	13.2	13.1	13.1	13.0	13.0	Compliant
08:00 - 08:59	12.7	12.6	12.7	12.1	12.1	12.0	12.8	12.9	12.7	12.6	13.1	13.1	13.0	13.0	13.0	Compliant
09:00 - 09:59	12.6	12.6	12.5	12.1	12.1	12.1	12.5	12.8	12.7	12.8	13.2	13.1	13.0	12.8	13.0	Compliant
10:00 - 10:59	12.6	12.5	12.4	12.0	12.1	12.1	12.6	12.8	12.6	12.9	13.2	13.1	12.9	12.9	13.0	Compliant
11:00 - 11:59	12.6	12.6	12.5	12.0	12.1	12.2	12.6	12.8	12.5	12.9	13.0	13.0	12.9	13.0	12.9	Compliant
12:00 - 12:59	12.6	12.6	12.5	12.1	12.1	12.2	12.5	12.6	12.3	12.8	12.9	13.0	12.9	13.0	13.0	Compliant
13:00 - 13:59	12.5	12.5	12.5	12.1	12.6	12.1	12.4	12.6	12.4	12.8	12.8	12.7	12.8	12.9	13.1	Compliant
14:00 - 14:59	12.4	12.6	12.2	12.1	12.5	12.1	12.3	12.5	12.4	12.8	12.8	12.8	12.8	12.9	13.1	Compliant
15:00 - 15:59	12.4	12.6	12.1	12.0	12.1	12.1	12.3	12.5	12.5	12.8	12.8	12.9	12.8	12.8	12.8	Compliant
16:00 - 16:59	12.6	12.7	12.0	12.1	12.1	12.2	12.4	12.5	12.3	12.8	12.7	12.9	12.8	13.0	12.8	Compliant
17:00 - 17:59	12.5	12.7	12.1	12.1	12.1	12.4	12.4	12.6	12.5	13.0	12.9	12.8	12.8	12.9	13.0	Compliant
18:00 - 18:59	12.5	12.6	12.0	12.1	12.3	12.4	12.4	12.5	12.9	12.8	12.9	13.0	12.8	12.9	13.1	Compliant
19:00 - 19:59	12.5	12.5	12.0	12.1	12.6	12.6	12.6	12.5	12.9	12.8	12.9	13.0	12.9	13.0	13.1	Compliant
20:00 - 20:59	12.8	12.6	12.0	12.1	12.2	12.7	12.4	12.4	13.0	13.1	13.0	13.0	13.0	13.1	13.1	Compliant
21:00 - 21:59	12.9	12.6	12.0	12.1	11.5	12.7	12.4	12.5	13.1	13.1	13.0	13.0	13.1	13.1	13.2	Compliant
22:00 - 22:59	12.7	12.6	12.1	12.1	12.1	12.6	12.4	12.5	13.1	13.2	13.1	12.9	12.9	13.1	12.8	Compliant
23:00 - 23:59	12.7	12.7	12.1	12.1	12.1	12.7	12.6	12.5	13.0	13.0	13.1	12.7	12.5	12.5	12.5	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - May 2020**

Time	1-May-20	2-May-20	3-May-20	4-May-20	5-May-20	6-May-20	7-May-20	8-May-20	9-May-20	10-May-20	11-May-20	12-May-20	13-May-20	14-May-20	15-May-20	Remarks
00:00 - 00:59	13.2	12.9	12.8	12.7	12.6	12.5	13.2	12.8	12.2	12.0	12.5	12.7	12.5	12.4	12.0	Compliant
01:00 - 01:59	12.6	12.8	13.0	12.8	12.7	12.5	13.3	12.9	12.2	12.1	12.5	12.7	12.5	12.4	12.1	Compliant
02:00 - 02:59	12.6	12.9	13.2	12.9	12.7	12.6	13.2	12.8	12.3	12.2	12.5	12.7	12.5	12.5	12.2	Compliant
03:00 - 03:59	13.0	12.9	13.1	12.5	12.7	12.7	13.2	12.7	12.4	12.2	12.5	12.7	12.4	12.4	12.2	Compliant
04:00 - 04:59	13.3	13.0	13.1	12.7	12.8	12.7	13.3	12.7	12.1	12.2	12.6	12.7	0.0	12.4	12.1	Compliant
05:00 - 05:59	13.3	13.0	13.1	12.8	12.8	12.7	13.2	12.7	12.3	12.1	12.6	12.7	0.0	12.4	12.0	Compliant
06:00 - 06:59	13.4	13.0	13.1	12.9	12.8	12.7	13.3	12.8	12.3	12.3	12.6	12.7	8.5	12.5	12.0	Compliant
07:00 - 07:59	13.2	13.0	13.0	12.9	12.8	12.6	13.4	12.8	12.2	12.2	12.6	12.8	12.4	12.3	12.0	Compliant
08:00 - 08:59	13.1	13.0	12.9	12.9	12.7	12.6	13.2	12.7	12.0	12.2	12.5	12.7	12.3	12.2	12.0	Compliant
09:00 - 09:59	13.1	12.6	12.9	12.8	12.7	12.3	13.1	12.7	12.1	12.2	12.4	12.7	12.1	12.2	11.9	Compliant
10:00 - 10:59	13.1	12.8	12.8	12.7	12.6	12.5	13.1	12.5	11.8	12.1	12.4	12.5	11.8	12.2	11.9	Compliant
11:00 - 11:59	13.1	12.8	12.9	12.7	12.6	12.6	12.9	12.4	11.9	12.1	12.5	12.4	12.1	12.1	11.9	Compliant
12:00 - 12:59	13.0	12.8	12.8	12.6	12.5	13.0	12.8	12.6	11.7	12.1	12.4	12.5	12.2	12.1	11.8	Compliant
13:00 - 13:59	12.9	12.7	12.7	12.5	12.5	13.0	12.8	12.5	11.8	12.2	12.4	12.5	12.2	12.0	11.8	Compliant
14:00 - 14:59	12.8	12.7	12.7	12.5	12.5	13.0	12.7	12.5	12.0	12.3	12.5	12.5	12.2	0.0	11.8	Compliant
15:00 - 15:59	12.8	12.7	12.6	12.5	12.5	13.0	12.7	12.2	12.0	12.4	12.5	12.3	12.2	26.6	11.7	Low Load
16:00 - 16:59	12.7	12.8	12.6	12.5	12.4	13.0	12.9	12.2	12.0	12.4	12.4	12.4	12.0	38.3	11.6	Low Load
17:00 - 17:59	12.7	12.8	12.6	12.5	12.4	12.7	12.7	12.0	12.1	12.5	12.3	12.4	12.2	40.8	11.6	Low Load
18:00 - 18:59	12.8	12.8	12.7	12.5	12.4	12.8	12.6	12.0	12.1	12.4	12.4	12.2	12.3	26.0	11.6	Low Load
19:00 - 19:59	12.8	12.9	12.7	12.5	12.3	13.0	12.6	12.0	12.0	12.5	12.5	12.3	12.3	12.2	11.6	Compliant
20:00 - 20:59	12.8	12.9	12.8	12.6	12.4	13.0	12.7	12.0	11.9	12.4	12.6	12.3	12.3	11.6	11.7	Compliant
21:00 - 21:59	13.0	12.9	12.8	12.7	12.4	13.0	12.6	12.0	12.0	12.4	12.5	12.4	12.2	11.6	11.7	Compliant
22:00 - 22:59	12.8	12.9	12.9	12.7	12.5	13.1	12.6	12.1	11.9	12.6	12.6	12.4	12.3	11.5	11.8	Compliant
23:00 - 23:59	12.6	12.9	12.9	12.6	12.5	13.1	12.7	12.1	11.9	12.6	12.7	12.4	12.4	11.9	11.8	Compliant

Time	16-May-20	17-May-20	18-May-20	19-May-20	20-May-20	21-May-20	22-May-20	23-May-20	24-May-20	25-May-20	26-May-20	27-May-20	28-May-20	29-May-20	30-May-20	31-May-20	Remarks
00:00 - 00:59	11.8	11.7	11.6	12.3	12.8	12.8	12.7	12.3	12.3	12.2	11.6	12.2	12.7	12.9	12.9	12.9	Compliant
01:00 - 01:59	11.8	11.9	11.6	12.4	12.7	12.8	12.7	12.4	12.4	12.3	11.6	12.3	12.7	12.7	12.7	12.7	Compliant
02:00 - 02:59	11.7	11.9	11.6	12.4	12.5	12.8	12.7	12.5	12.4	12.3	11.6	12.3	12.7	12.2	12.6	12.6	Compliant
03:00 - 03:59	11.8	11.9	11.7	12.5	12.8	12.8	12.7	12.5	12.4	12.3	11.6	12.3	12.8	12.1	12.8	13.0	Compliant
04:00 - 04:59	11.9	11.9	11.9	12.7	12.8	12.8	12.7	12.4	12.4	12.3	11.6	12.4	12.8	12.8	12.9	13.0	Compliant
05:00 - 05:59	11.9	11.9	11.9	12.7	12.7	12.8	12.8	12.4	12.4	12.3	11.6	12.3	12.9	12.7	13.0	13.0	Compliant
06:00 - 06:59	11.8	11.9	11.9	12.7	12.7	12.7	12.8	12.4	12.4	12.3	11.6	12.3	13.0	12.8	13.0	13.0	Compliant
07:00 - 07:59	11.9	11.8	11.9	12.6	12.9	12.7	12.7	12.4	12.4	12.3	11.7	12.4	13.0	12.8	12.8	13.0	Compliant
08:00 - 08:59	11.7	11.8	11.8	12.6	12.8	12.7	12.6	12.3	12.3	12.2	11.6	12.0	12.9	12.7	12.7	13.0	Compliant
09:00 - 09:59	11.5	11.7	11.8	12.3	12.7	12.5	12.6	12.3	12.2	12.2	11.5	12.2	12.8	12.7	12.7	13.0	Compliant
10:00 - 10:59	11.7	11.7	11.7	12.3	12.3	12.4	12.5	12.0	12.1	12.2	11.4	12.2	12.7	12.6	12.3	12.9	Compliant
11:00 - 11:59	11.8	11.7	11.7	12.3	12.4	12.5	12.3	12.1	12.1	12.4	11.3	12.1	12.6	12.6	12.5	12.9	Compliant
12:00 - 12:59	11.8	11.7	12.2	12.8	12.5	12.5	12.1	12.1	12.1	11.5	11.3	12.1	12.7	12.5	12.4	12.8	Compliant
13:00 - 13:59	11.8	11.7	12.2	12.6	12.5	12.4	12.1	12.1	12.1	11.4	11.3	12.2	12.6	12.4	12.3	12.8	Compliant
14:00 - 14:59	11.8	11.8	12.2	12.5	12.5	12.4	12.1	12.0	12.1	11.5	12.0	12.3	12.6	12.4	12.4	12.7	Compliant
15:00 - 15:59	11.7	11.8	12.1	12.7	12.3	12.4	12.1	12.0	12.0	11.5	12.3	12.5	12.6	12.4	12.4	12.6	Compliant
16:00 - 16:59	11.8	11.9	12.0	12.9	12.6	12.4	12.0	12.0	11.9	11.4	12.3	12.8	12.5	12.3	12.4	12.5	Compliant
17:00 - 17:59	11.7	12.0	12.0	13.0	13.0	12.5	12.1	12.0	11.9	11.2	12.2	12.9	12.6	12.5	12.4	12.7	Compliant
18:00 - 18:59	11.6	11.9	12.0	13.0	13.0	12.9	12.2	12.1	11.9	11.3	12.2	12.8	12.7	12.7	12.5	12.7	Compliant
19:00 - 19:59	11.5	11.7	12.2	12.9	12.9	12.9	12.2	12.1	11.9	11.4	12.1	12.8	12.7	12.7	12.5	12.7	Compliant
20:00 - 20:59	11.6	11.6	12.3	12.9	12.8	12.8	12.3	12.1	12.0	11.4	12.1	12.8	12.8	12.8	12.7	12.6	Compliant
21:00 - 21:59	11.4	11.5	12.3	12.9	12.8	12.7	12.3	12.2	12.2	11.4	12.1	12.8	12.8	12.7	13.0	12.6	Compliant
22:00 - 22:59	11.4	11.5	12.2	12.9	12.8	12.7	12.3	12.2	12.1	11.5	12.1	12.8	12.9	12.8	12.9	12.7	Compliant
23:00 - 23:59	11.6	11.5	12.3	12.9	12.7	12.6	12.4	12.2	12.2	11.5	12.2	12.7	12.8	12.8	12.9	12.8	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - June 2020**

Time	1-Jun-20	2-Jun-20	3-Jun-20	4-Jun-20	5-Jun-20	6-Jun-20	7-Jun-20	8-Jun-20	9-Jun-20	10-Jun-20	11-Jun-20	12-Jun-20	13-Jun-20	14-Jun-20	15-Jun-20	Remarks
00:00 - 00:59	12.7	12.7	12.9	12.7	12.7	12.6	21.8	12.4	13.3	13.5	13.2	13.3	13.2	13.0	12.7	Compliant
01:00 - 01:59	12.9	12.8	12.9	12.7	12.8	12.6	12.4	12.3	13.3	13.5	13.1	13.3	13.3	13.1	13.2	Compliant
02:00 - 02:59	12.9	12.8	12.7	12.8	12.8	12.7	12.6	12.0	13.3	13.4	13.0	13.3	13.3	13.2	13.2	Compliant
03:00 - 03:59	12.8	12.7	12.6	12.8	12.7	12.7	12.4	12.4	13.3	13.4	13.2	13.3	12.9	13.2	13.2	Compliant
04:00 - 04:59	12.8	12.7	12.7	12.7	12.7	12.7	12.3	12.5	13.3	13.4	13.3	13.3	13.2	13.2	13.2	Compliant
05:00 - 05:59	12.8	12.7	12.6	12.7	12.7	12.7	12.3	12.5	13.2	13.4	13.2	13.2	13.2	13.2	13.2	Compliant
06:00 - 06:59	12.9	12.7	12.7	12.7	12.7	12.8	12.3	12.5	13.3	13.4	13.2	13.3	13.3	13.2	13.2	Compliant
07:00 - 07:59	12.8	12.7	12.6	12.7	12.7	12.7	12.3	12.5	13.2	13.3	13.1	13.2	13.3	13.2	13.2	Compliant
08:00 - 08:59	12.7	12.7	12.6	12.8	12.7	12.6	12.2	12.4	13.1	12.9	13.2	13.1	13.2	13.1	13.1	Compliant
09:00 - 09:59	12.6	12.5	12.4	12.5	12.7	12.4	12.2	12.3	13.0	13.0	13.0	13.0	12.8	12.9	13.1	Compliant
10:00 - 10:59	12.5	12.4	12.1	12.3	12.6	12.3	12.1	12.5	12.9	13.2	12.9	12.9	13.0	12.8	13.0	Compliant
11:00 - 11:59	12.4	12.3	12.4	12.3	12.5	12.4	12.1	12.3	12.9	13.0	12.9	12.9	13.0	12.7	12.9	Compliant
12:00 - 12:59	12.5	12.4	12.4	12.3	12.5	12.4	12.1	12.1	12.8	12.9	13.0	12.8	12.9	12.7	12.7	Compliant
13:00 - 13:59	12.5	12.4	12.4	12.3	12.4	12.2	12.1	12.0	12.8	12.8	12.9	12.7	12.8	12.7	12.6	Compliant
14:00 - 14:59	12.4	12.5	12.4	12.3	12.4	0.0	12.0	12.0	12.7	12.8	12.8	12.7	12.8	12.7	12.5	Compliant
15:00 - 15:59	12.2	12.4	12.4	12.4	12.3	0.0	11.9	12.4	12.7	12.8	12.9	12.7	12.7	12.7	12.5	Compliant
16:00 - 16:59	12.2	12.4	12.4	12.3	12.2	0.0	12.2	12.7	12.7	12.7	12.9	12.7	12.7	12.7	12.5	Compliant
17:00 - 17:59	12.2	12.4	12.4	12.4	12.3	0.0	12.4	12.9	12.8	12.8	13.0	12.7	12.6	12.8	12.5	Compliant
18:00 - 18:59	12.3	12.4	12.5	12.4	12.3	15.7	12.5	13.1	12.7	12.8	13.1	12.9	12.7	12.9	12.5	Compliant
19:00 - 19:59	12.4	12.6	12.6	12.5	12.3	13.0	12.5	13.2	12.8	12.9	13.1	13.1	12.7	12.9	12.7	Compliant
20:00 - 20:59	12.4	12.6	12.7	12.5	12.4	13.0	12.5	13.1	13.1	13.0	13.0	13.3	12.8	12.9	12.8	Compliant
21:00 - 21:59	12.4	12.7	12.7	12.5	12.5	13.0	12.5	13.3	13.4	13.0	13.1	13.3	12.9	12.9	13.0	Compliant
22:00 - 22:59	12.5	12.7	12.7	12.6	12.5	13.0	12.5	13.3	13.6	13.1	13.2	13.3	12.9	12.9	13.0	Compliant
23:00 - 23:59	12.6	12.8	12.6	12.7	12.5	23.7	12.4	13.3	13.6	13.2	13.3	13.3	13.0	12.5	13.1	Compliant

Time	16-Jun-20	17-Jun-20	18-Jun-20	19-Jun-20	20-Jun-20	21-Jun-20	22-Jun-20	23-Jun-20	24-Jun-20	25-Jun-20	26-Jun-20	27-Jun-20	28-Jun-20	29-Jun-20	30-Jun-20	Remarks
00:00 - 00:59	13.1	13.0	12.3	12.9	12.8	13.1	13.0	13.3	13.4	13.6	13.4	13.4	12.6	13.1	13.0	Compliant
01:00 - 01:59	13.0	13.1	13.1	12.7	13.1	13.0	13.1	13.3	13.4	13.6	13.5	13.3	13.1	12.8	13.1	Compliant
02:00 - 02:59	13.0	13.1	13.1	12.6	13.1	13.0	13.0	13.4	13.4	13.6	13.5	13.2	13.3	13.1	13.1	Compliant
03:00 - 03:59	13.0	13.0	13.1	13.1	13.0	13.0	13.0	13.4	13.2	13.6	13.6	13.3	13.1	13.4	13.2	Compliant
04:00 - 04:59	13.0	13.1	13.1	13.0	13.1	13.0	13.1	13.5	13.3	13.5	13.6	13.4	13.2	13.3	13.1	Compliant
05:00 - 05:59	13.0	13.0	13.0	13.0	13.1	13.0	13.1	13.4	13.3	13.5	13.4	13.4	13.4	13.3	13.1	Compliant
06:00 - 06:59	13.0	13.0	13.0	13.0	13.1	13.0	13.1	13.4	13.3	13.5	13.1	13.5	13.4	13.4	13.1	Compliant
07:00 - 07:59	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.4	13.3	13.5	12.7	13.4	13.4	13.3	13.1	Compliant
08:00 - 08:59	12.9	12.8	12.9	12.9	13.0	12.9	12.9	13.2	13.2	13.4	12.5	13.1	13.2	13.2	13.1	Compliant
09:00 - 09:59	12.8	12.7	12.8	12.9	12.9	12.8	12.8	13.1	12.8	13.3	12.5	13.3	13.2	13.2	13.1	Compliant
10:00 - 10:59	12.8	12.9	12.7	12.8	12.5	12.7	12.7	12.9	12.9	13.2	12.6	13.3	13.2	13.1	12.9	Compliant
11:00 - 11:59	12.7	12.8	12.6	12.7	12.8	12.6	12.6	12.9	12.9	13.2	12.7	13.2	13.0	12.9	12.8	Compliant
12:00 - 12:59	12.7	12.7	12.7	12.7	12.7	12.7	12.7	13.1	13.0	13.0	12.7	13.1	13.0	12.8	12.8	Compliant
13:00 - 13:59	12.7	12.8	12.5	12.7	12.7	12.7	12.6	13.1	12.9	12.9	12.9	13.1	13.0	12.8	12.7	Compliant
14:00 - 14:59	12.6	12.6	12.5	12.6	12.7	12.7	13.1	13.4	13.0	13.0	13.0	13.0	12.7	12.7	12.7	Compliant
15:00 - 15:59	12.6	12.6	12.6	12.6	12.6	12.6	13.0	13.2	12.9	13.2	13.1	12.9	12.9	12.6	12.7	Compliant
16:00 - 16:59	12.7	12.7	12.6	12.6	12.6	12.6	12.9	13.1	12.8	13.3	13.1	13.2	12.8	12.6	12.6	Compliant
17:00 - 17:59	12.9	12.8	12.6	12.9	12.6	12.5	12.8	13.1	12.8	13.6	13.3	12.9	12.9	12.7	12.6	Compliant
18:00 - 18:59	12.9	12.8	12.6	12.9	12.7	12.6	13.0	13.1	13.7	13.7	13.4	13.0	13.2	12.6	12.7	Compliant
19:00 - 19:59	12.9	12.9	12.9	12.9	12.7	12.6	13.0	13.1	13.7	13.7	13.4	13.1	13.1	12.7	12.7	Compliant
20:00 - 20:59	12.9	13.1	12.7	13.0	12.9	12.6	13.2	13.0	13.7	13.7	13.6	13.2	13.1	12.8	12.8	Compliant
21:00 - 21:59	13.0	13.1	12.8	13.1	13.0	12.7	13.2	13.0	13.7	13.7	13.7	13.2	13.2	12.9	12.9	Compliant
22:00 - 22:59	13.1	13.1	12.8	13.1	13.0	12.8	13.2	13.2	13.7	13.7	13.7	13.3	13.3	13.0	13.1	Compliant
23:00 - 23:59	13.0	13.1	13.0	13.1	13.1	12.9	13.2	13.3	13.6	13.6	13.2	13.2	13.3	13.0	13.1	Compliant



**Unit 2 NO<sub>x</sub> (ppmv) - July 2020**

Time	1-Jul-20	2-Jul-20	3-Jul-20	4-Jul-20	5-Jul-20	6-Jul-20	7-Jul-20	8-Jul-20	9-Jul-20	10-Jul-20	11-Jul-20	12-Jul-20	13-Jul-20	14-Jul-20	15-Jul-20	Remarks
00:00 - 00:59	13.2	13.3	13.3	13.1	13.0	13.0	13.5	13.4	13.4	13.2	13.5	13.4	13.5	13.0	13.0	Compliant
01:00 - 01:59	13.1	13.3	13.3	13.2	13.1	13.1	13.5	13.5	13.4	13.4	13.5	13.4	13.4	13.1	13.0	Compliant
02:00 - 02:59	13.1	13.3	13.3	13.2	13.0	13.0	13.5	13.5	13.4	13.4	13.4	13.4	13.5	13.0	13.0	Compliant
03:00 - 03:59	13.1	13.2	13.3	13.2	13.1	13.0	13.5	13.6	13.4	13.4	13.4	13.4	13.4	13.1	13.0	Compliant
04:00 - 04:59	13.1	13.2	13.2	13.1	13.0	13.0	13.5	13.5	13.5	13.3	13.4	13.4	13.4	13.1	13.0	Compliant
05:00 - 05:59	13.1	13.1	13.2	13.1	13.0	13.0	13.5	13.5	13.5	13.3	13.4	13.4	13.3	13.0	13.0	Compliant
06:00 - 06:59	13.1	13.2	13.2	13.0	13.1	12.9	13.6	13.5	13.4	13.3	13.4	13.4	13.4	13.0	13.0	Compliant
07:00 - 07:59	13.1	13.1	13.2	13.1	13.0	12.9	13.5	13.5	13.4	13.3	13.4	13.4	13.4	13.0	13.0	Compliant
08:00 - 08:59	13.0	13.1	13.1	12.8	12.9	12.9	13.4	13.4	13.3	13.3	13.2	13.4	13.3	12.9	12.9	Compliant
09:00 - 09:59	12.8	13.1	13.0	12.8	12.9	12.8	13.4	12.9	13.3	13.2	13.1	13.2	13.3	12.9	12.5	Compliant
10:00 - 10:59	12.7	13.0	13.0	12.9	12.9	12.8	13.3	13.1	13.3	13.1	13.2	13.1	13.3	12.8	12.8	Compliant
11:00 - 11:59	12.7	13.0	12.9	12.9	12.8	12.6	13.2	13.0	13.2	13.1	13.2	12.9	13.1	12.7	12.6	Compliant
12:00 - 12:59	12.8	12.9	12.9	12.8	12.8	12.6	13.1	13.0	13.1	13.0	12.9	12.9	13.1	12.6	12.7	Compliant
13:00 - 13:59	12.8	12.9	12.8	12.7	12.7	12.6	13.1	13.0	13.0	12.9	12.9	13.0	13.1	12.6	12.6	Compliant
14:00 - 14:59	12.6	12.8	12.7	12.8	12.7	12.6	13.1	13.0	13.0	12.8	12.9	12.9	13.1	12.6	12.6	Compliant
15:00 - 15:59	12.7	12.8	12.7	12.6	12.6	13.1	13.0	13.0	13.0	12.8	12.9	13.0	12.8	12.6	12.5	Compliant
16:00 - 16:59	12.7	12.7	12.7	12.7	12.7	13.1	13.0	13.0	13.0	12.8	12.9	13.0	12.9	12.6	12.5	Compliant
17:00 - 17:59	12.9	12.7	12.7	12.7	12.9	13.2	13.0	13.0	13.0	12.9	13.0	12.9	12.9	12.5	12.5	Compliant
18:00 - 18:59	13.2	12.9	12.8	12.9	13.0	13.4	13.0	13.0	13.1	12.9	13.0	12.9	13.0	12.6	12.5	Compliant
19:00 - 19:59	13.2	13.2	12.9	12.9	13.0	13.6	13.1	13.2	13.2	13.0	13.0	13.0	13.0	12.6	12.5	Compliant
20:00 - 20:59	13.3	13.4	13.1	13.0	13.1	13.7	13.3	13.2	13.3	13.1	13.1	13.1	13.0	12.8	12.6	Compliant
21:00 - 21:59	13.4	13.4	13.3	13.3	13.1	13.5	13.4	13.3	13.4	13.1	13.2	13.3	13.1	12.8	12.8	Compliant
22:00 - 22:59	13.3	13.4	13.4	13.0	13.1	13.5	13.4	13.4	13.4	13.2	13.3	13.3	13.0	12.9	12.8	Compliant
23:00 - 23:59	13.4	13.4	13.4	12.4	13.0	13.5	13.4	13.4	13.3	13.2	13.4	13.4	13.0	12.9	12.9	Compliant

Time	16-Jul-20	17-Jul-20	18-Jul-20	19-Jul-20	20-Jul-20	21-Jul-20	22-Jul-20	23-Jul-20	24-Jul-20	25-Jul-20	26-Jul-20	27-Jul-20	28-Jul-20	29-Jul-20	30-Jul-20	31-Jul-20	Remarks
00:00 - 00:59	12.7	13.0	13.0	13.2	13.2	12.7	13.6	13.6	13.7	12.5	12.9	13.0	13.3	13.4	13.4	13.3	Compliant
01:00 - 01:59	13.0	13.0	13.0	13.2	13.2	13.2	13.7	13.6	13.6	12.5	12.9	13.0	13.5	13.4	13.3	13.3	Compliant
02:00 - 02:59	12.8	13.0	13.1	13.2	13.2	13.2	13.5	13.6	13.7	12.5	12.9	13.0	13.5	13.4	13.4	13.3	Compliant
03:00 - 03:59	13.0	13.0	13.1	13.2	13.2	13.2	13.6	13.6	13.6	12.5	13.0	13.1	13.5	13.4	13.3	13.4	Compliant
04:00 - 04:59	13.0	13.0	13.1	13.3	13.2	13.2	13.6	13.6	13.6	12.5	13.0	13.0	13.4	13.4	13.3	13.4	Compliant
05:00 - 05:59	13.0	13.0	13.1	13.3	13.1	13.1	13.6	13.6	13.6	12.5	13.0	13.0	13.5	13.4	13.2	13.3	Compliant
06:00 - 06:59	13.0	13.0	13.1	13.2	13.1	13.1	13.6	13.5	13.6	12.5	13.0	13.0	13.4	13.4	13.3	13.3	Compliant
07:00 - 07:59	13.0	13.0	13.0	13.2	13.1	13.1	13.5	13.5	13.6	12.5	13.0	13.0	13.4	13.3	13.2	13.3	Compliant
08:00 - 08:59	12.9	13.0	12.9	13.1	13.1	13.1	13.4	13.4	13.4	12.3	13.0	12.9	13.3	13.0	13.2	13.2	Compliant
09:00 - 09:59	12.8	12.9	12.6	13.1	13.1	13.0	13.1	13.3	13.3	11.9	12.9	12.8	13.4	13.1	13.2	13.1	Compliant
10:00 - 10:59	12.7	12.8	12.9	13.1	13.0	13.0	13.3	13.3	13.3	12.2	12.8	13.1	13.4	13.2	13.1	13.0	Compliant
11:00 - 11:59	12.6	12.8	12.8	13.0	13.0	13.0	13.2	13.2	13.2	12.3	12.7	13.1	13.3	13.1	13.2	12.9	Compliant
12:00 - 12:59	12.5	12.5	12.7	13.0	12.9	13.0	13.1	13.3	13.3	12.3	12.6	13.0	13.3	13.1	13.1	12.9	Compliant
13:00 - 13:59	12.5	12.5	12.7	13.0	12.9	12.9	13.1	13.2	0.0	12.3	12.8	12.9	13.1	13.1	13.0	12.9	Compliant
14:00 - 14:59	12.5	12.5	12.6	12.8	12.8	12.9	13.1	13.2	0.0	13.0	12.8	12.8	13.1	13.0	13.0	12.8	Compliant
15:00 - 15:59	12.5	12.5	12.6	12.7	12.8	12.8	13.0	13.2	0.0	12.5	12.6	12.8	13.2	12.9	12.9	12.8	Compliant
16:00 - 16:59	12.5	12.5	12.5	12.8	12.8	13.3	13.0	13.2	0.0	12.5	12.7	12.9	13.3	13.0	12.9	12.9	Compliant
17:00 - 17:59	12.5	12.5	12.6	12.8	12.8	13.4	13.0	13.2	0.0	12.6	12.5	13.2	13.3	13.0	12.9	12.9	Compliant
18:00 - 18:59	12.6	12.5	13.3	12.9	13.0	13.5	13.1	13.3	0.0	12.5	12.5	13.6	13.3	13.4	13.2	12.8	Compliant
19:00 - 19:59	12.5	12.5	13.4	12.8	13.1	13.5	13.2	13.5	0.0	12.5	12.7	13.6	13.3	13.4	13.2	12.8	Compliant
20:00 - 20:59	12.6	12.9	13.3	12.7	13.2	13.6	13.4	13.6	0.0	12.5	12.8	13.5	13.4	13.4	13.2	12.9	Compliant
21:00 - 21:59	12.7	12.9	13.3	13.3	13.2	13.6	13.4	13.7	0.0	12.6	12.8	13.5	13.4	13.4	13.2	12.9	Compliant
22:00 - 22:59	12.8	12.9	13.3	13.1	13.2	13.6	13.6	13.6	21.6	12.8	12.8	13.4	13.4	13.4	13.3	13.0	Compliant
23:00 - 23:59	12.9	13.0	13.2	13.2	13.0	13.6	13.5	13.6	12.8	12.9	12.9	13.5	13.4	13.4	13.4	13.1	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - August 2020**

Time	1-Aug-20	2-Aug-20	3-Aug-20	4-Aug-20	5-Aug-20	6-Aug-20	7-Aug-20	8-Aug-20	9-Aug-20	10-Aug-20	11-Aug-20	12-Aug-20	13-Aug-20	14-Aug-20	15-Aug-20	Remarks
00:00 - 00:59	13.1	13.2	12.9	12.7	12.9	13.1	13.4	13.2	13.2	13.2	13.1	13.1	13.0	12.7	13.0	Compliant
01:00 - 01:59	13.1	13.3	12.9	12.5	12.9	13.0	13.3	13.3	13.2	13.2	13.1	13.1	13.0	13.0	12.9	Compliant
02:00 - 02:59	13.2	13.3	12.9	12.5	13.0	13.0	13.3	13.3	13.0	13.2	13.1	13.1	13.1	13.0	12.8	Compliant
03:00 - 03:59	13.3	13.3	13.0	12.6	13.0	13.0	13.4	13.2	13.2	13.2	13.1	13.1	13.0	13.0	12.9	Compliant
04:00 - 04:59	13.2	13.3	12.9	12.9	13.0	13.0	13.3	13.2	13.2	13.2	13.1	13.0	13.0	13.0	12.9	Compliant
05:00 - 05:59	13.2	13.3	12.9	12.8	13.0	13.0	13.3	13.1	13.2	13.2	13.0	12.9	13.0	13.0	12.9	Compliant
06:00 - 06:59	13.2	13.2	13.0	12.9	13.0	12.9	13.2	13.2	13.2	13.2	13.0	13.0	12.9	12.9	12.9	Compliant
07:00 - 07:59	13.2	13.0	13.1	12.9	13.0	13.0	13.3	13.2	13.2	13.1	13.0	13.0	12.9	13.0	12.8	Compliant
08:00 - 08:59	13.2	12.9	13.1	12.8	12.9	12.9	13.2	13.1	13.2	13.0	13.0	12.9	12.8	12.9	12.8	Compliant
09:00 - 09:59	13.1	12.9	13.1	12.8	12.7	12.9	13.2	13.1	13.1	13.0	12.9	12.6	12.9	12.9	12.8	Compliant
10:00 - 10:59	12.7	12.9	13.2	12.8	12.8	12.9	13.1	12.7	13.0	13.0	12.8	12.8	12.9	12.9	12.4	Compliant
11:00 - 11:59	12.9	12.8	13.1	12.8	12.9	12.9	13.1	13.0	12.9	13.0	12.8	12.8	12.8	12.8	12.8	Compliant
12:00 - 12:59	12.9	12.7	12.9	13.0	12.9	12.8	13.1	12.9	12.9	12.9	12.8	12.7	12.7	12.8	12.8	Compliant
13:00 - 13:59	13.0	12.7	12.7	12.9	12.9	12.8	13.1	13.0	12.8	12.9	12.8	12.7	12.7	12.6	12.7	Compliant
14:00 - 14:59	12.9	12.8	13.0	12.8	13.1	12.7	13.1	12.9	12.8	12.8	12.7	12.6	12.7	12.7	12.6	Compliant
15:00 - 15:59	12.9	12.8	13.0	12.8	13.0	12.8	13.0	12.9	12.8	12.7	12.6	12.6	12.6	12.6	12.7	Compliant
16:00 - 16:59	13.0	12.7	13.0	12.7	13.0	13.0	12.9	12.9	12.8	12.7	12.7	12.6	12.6	12.6	12.7	Compliant
17:00 - 17:59	13.0	12.8	13.0	13.1	12.9	13.1	13.0	12.9	12.8	12.7	12.7	12.6	12.7	12.8	12.8	Compliant
18:00 - 18:59	12.9	12.9	13.1	13.2	13.0	13.1	13.1	13.0	12.9	12.8	12.8	12.5	12.8	12.9	12.9	Compliant
19:00 - 19:59	13.0	12.9	13.1	13.2	13.0	13.2	13.3	13.0	13.0	12.9	12.9	12.8	12.8	12.9	12.8	Compliant
20:00 - 20:59	13.1	12.9	13.1	13.1	13.1	13.3	13.4	13.1	12.9	13.0	13.1	12.9	12.9	12.9	12.8	Compliant
21:00 - 21:59	13.2	12.9	13.1	13.1	13.1	13.4	13.4	13.3	13.1	13.0	13.0	12.9	12.9	12.9	12.8	Compliant
22:00 - 22:59	13.1	12.9	12.8	13.1	13.0	13.3	13.3	13.2	13.1	13.1	13.1	12.9	12.9	12.9	12.9	Compliant
23:00 - 23:59	13.2	13.0	12.4	13.0	13.0	13.2	13.3	13.2	13.2	13.1	13.1	12.9	12.6	12.9	12.9	Compliant

Time	16-Aug-20	17-Aug-20	18-Aug-20	19-Aug-20	20-Aug-20	21-Aug-20	22-Aug-20	23-Aug-20	24-Aug-20	25-Aug-20	26-Aug-20	27-Aug-20	28-Aug-20	29-Aug-20	30-Aug-20	31-Aug-20	Remarks
00:00 - 00:59	13.0	13.1	12.9	13.1	12.9	13.0	13.2	13.4	13.0	13.2	12.1	12.2	12.3	13.0	12.9	13.1	Compliant
01:00 - 01:59	13.0	13.0	13.1	13.1	13.1	13.1	13.2	13.4	13.2	12.9	12.0	12.1	12.3	12.9	12.9	13.1	Compliant
02:00 - 02:59	13.0	13.0	13.0	13.1	12.8	13.1	13.2	13.3	13.2	12.2	12.0	12.3	12.3	12.9	12.9	13.1	Compliant
03:00 - 03:59	12.9	13.0	13.1	13.1	13.1	13.1	13.1	13.4	13.1	12.2	12.0	12.3	12.3	12.9	13.0	13.0	Compliant
04:00 - 04:59	12.9	13.0	13.1	13.1	13.1	13.1	13.2	13.3	13.1	12.1	12.0	12.3	12.3	12.9	13.1	13.1	Compliant
05:00 - 05:59	12.9	13.0	13.0	13.1	13.0	12.9	13.2	13.3	13.1	12.3	12.6	12.6	12.4	12.9	13.0	13.1	Compliant
06:00 - 06:59	12.9	13.0	13.0	13.0	13.0	13.0	13.2	13.3	13.1	13.1	13.1	13.2	13.1	13.0	13.0	13.1	Compliant
07:00 - 07:59	13.0	12.9	13.0	13.1	13.0	13.0	13.2	13.3	13.1	13.1	13.1	13.2	13.1	13.0	13.0	13.0	Compliant
08:00 - 08:59	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.2	13.1	13.0	13.0	13.1	13.0	12.5	12.9	12.9	Compliant
09:00 - 09:59	12.8	12.8	12.9	12.7	12.9	13.0	12.6	13.2	13.2	13.0	13.0	13.1	12.8	12.7	12.9	12.9	Compliant
10:00 - 10:59	12.8	12.8	13.0	12.9	12.9	12.9	12.8	13.1	13.1	13.1	13.0	13.1	12.8	12.6	12.8	12.8	Compliant
11:00 - 11:59	12.7	12.9	13.0	13.1	12.9	12.9	12.8	13.0	13.1	13.1	12.7	13.1	12.8	12.6	12.6	12.7	Compliant
12:00 - 12:59	12.6	12.9	13.0	13.0	13.0	12.9	12.8	12.8	13.2	13.0	13.0	13.1	12.7	12.8	12.7	12.7	Compliant
13:00 - 13:59	12.6	12.7	12.9	12.9	13.1	12.9	13.0	12.9	13.2	13.0	13.0	13.0	12.7	12.7	12.8	12.7	Compliant
14:00 - 14:59	12.5	12.7	12.9	12.8	12.8	12.9	13.5	12.8	13.1	12.9	12.9	13.0	12.6	12.7	12.8	12.7	Compliant
15:00 - 15:59	12.5	12.6	12.9	12.8	12.8	12.8	13.4	13.3	13.3	12.9	12.9	12.9	12.7	12.7	12.8	12.8	Compliant
16:00 - 16:59	12.7	12.7	12.9	12.9	12.6	12.8	13.2	13.4	13.1	12.9	12.9	12.9	12.7	12.7	13.2	13.0	Compliant
17:00 - 17:59	12.7	12.8	13.0	13.0	12.7	13.1	13.2	13.3	13.2	12.9	13.1	12.9	12.9	12.7	13.1	13.1	Compliant
18:00 - 18:59	12.7	12.8	13.0	13.0	12.7	13.1	13.3	13.3	13.1	13.0	13.1	12.9	13.0	12.7	13.1	13.0	Compliant
19:00 - 19:59	12.7	12.8	13.1	13.0	12.9	13.1	13.4	13.3	13.2	13.0	13.1	12.9	12.9	12.8	13.1	13.1	Compliant
20:00 - 20:59	12.9	12.8	13.1	13.0	13.0	13.1	13.3	13.3	13.2	13.1	13.2	12.9	12.9	12.7	13.0	13.1	Compliant
21:00 - 21:59	13.1	13.1	13.2	13.1	13.1	13.2	13.3	13.1	13.2	13.1	13.2	12.9	12.9	12.8	13.1	13.1	Compliant
22:00 - 22:59	13.0	12.9	13.2	13.1	13.1	13.2	13.0	13.0	13.2	13.1	12.8	12.4	12.9	12.9	13.1	13.0	Compliant
23:00 - 23:59	13.0	13.0	13.1	13.1	13.0	13.2	13.2	12.9	13.2	12.2	12.1	12.1	12.9	12.9	13.1	13.0	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - September 2020**

Time	1-Sep-20	2-Sep-20	3-Sep-20	4-Sep-20	5-Sep-20	6-Sep-20	7-Sep-20	8-Sep-20	9-Sep-20	10-Sep-20	11-Sep-20	12-Sep-20	13-Sep-20	14-Sep-20	15-Sep-20	Remarks
00:00 - 00:59	13.1	12.7	12.9	12.1	11.9	11.8	12.0	12.0	12.0	12.0	12.4	12.2	12.2	12.0	11.9	Compliant
01:00 - 01:59	13.2	12.5	13.0	12.8	12.1	12.1	12.1	12.2	12.0	12.1	12.0	12.3	12.3	12.2	12.3	Compliant
02:00 - 02:59	13.1	13.0	13.0	12.9	12.2	12.2	12.1	12.2	12.1	12.3	12.2	12.3	12.3	12.2	12.3	Compliant
03:00 - 03:59	13.2	13.0	13.0	13.1	12.2	12.2	12.1	12.1	12.1	12.2	12.2	12.3	12.3	12.2	12.2	Compliant
04:00 - 04:59	13.1	13.0	13.0	13.0	12.2	12.2	12.1	12.2	12.1	12.3	12.4	12.3	12.2	12.1	12.2	Compliant
05:00 - 05:59	13.1	13.0	13.0	13.1	12.9	12.8	12.9	13.1	13.1	13.0	13.0	13.1	12.5	12.6	12.6	Compliant
06:00 - 06:59	13.1	13.1	13.0	13.1	13.0	13.0	12.9	13.2	13.1	13.1	12.9	13.0	12.9	12.9	12.9	Compliant
07:00 - 07:59	13.1	13.1	12.9	13.0	13.0	13.0	12.9	13.2	13.1	13.0	13.0	13.0	12.9	12.8	12.9	Compliant
08:00 - 08:59	13.0	13.0	12.8	12.9	12.9	12.9	13.0	13.1	13.0	13.0	12.9	12.9	12.9	12.8	12.8	Compliant
09:00 - 09:59	12.9	12.8	12.8	12.8	12.4	12.8	12.8	13.1	12.7	12.9	12.8	12.5	12.8	12.7	12.7	Compliant
10:00 - 10:59	12.8	12.7	12.8	12.6	12.7	12.7	12.7	13.0	12.9	12.9	12.7	12.7	12.7	12.6	12.8	Compliant
11:00 - 11:59	12.8	12.8	12.6	12.5	12.7	12.7	13.0	12.9	13.0	12.9	12.7	12.7	12.6	12.6	13.0	Compliant
12:00 - 12:59	13.0	12.8	12.6	12.7	12.7	12.7	13.0	12.9	13.0	12.9	12.6	12.6	12.6	12.8	13.0	Compliant
13:00 - 13:59	13.2	12.8	12.5	12.6	12.5	12.5	12.9	12.9	13.1	12.8	12.5	12.6	12.7	12.8	12.9	Compliant
14:00 - 14:59	13.2	12.7	12.5	12.6	12.6	12.6	12.9	12.8	13.1	12.8	12.5	12.5	12.6	12.5	12.8	Compliant
15:00 - 15:59	13.1	12.5	12.6	12.7	12.5	12.5	12.7	12.8	13.0	12.7	12.5	12.5	12.6	12.4	12.8	Compliant
16:00 - 16:59	13.1	12.6	12.6	12.7	12.5	12.7	12.7	13.2	12.9	12.7	12.5	12.5	12.5	12.5	12.7	Compliant
17:00 - 17:59	13.0	12.6	12.5	12.7	12.6	12.7	12.8	13.2	12.9	12.8	12.5	12.5	12.6	12.5	12.8	Compliant
18:00 - 18:59	13.1	12.6	12.6	12.8	12.7	12.9	13.2	13.2	12.9	12.8	12.6	12.6	12.8	12.6	12.9	Compliant
19:00 - 19:59	13.2	12.7	12.9	12.9	12.8	12.9	13.2	13.2	13.0	12.8	12.6	12.7	13.0	12.7	13.0	Compliant
20:00 - 20:59	13.1	12.8	12.9	12.8	12.8	13.1	13.2	13.3	13.1	12.9	12.7	12.8	12.9	12.8	13.0	Compliant
21:00 - 21:59	13.1	12.8	12.9	12.8	13.1	13.1	13.3	13.3	13.1	13.0	12.8	12.8	12.8	12.8	13.3	Compliant
22:00 - 22:59	12.9	12.9	13.0	12.9	12.8	13.0	13.2	12.8	13.1	12.9	12.8	12.8	12.6	12.9	13.2	Compliant
23:00 - 23:59	12.9	12.9	12.9	12.6	12.0	12.0	12.7	11.9	12.1	12.8	11.9	11.9	12.0	12.6	12.5	Compliant

Time	16-Sep-20	17-Sep-20	18-Sep-20	19-Sep-20	20-Sep-20	21-Sep-20	22-Sep-20	23-Sep-20	24-Sep-20	25-Sep-20	26-Sep-20	27-Sep-20	28-Sep-20	29-Sep-20	30-Sep-20	Remarks
00:00 - 00:59	12.5	12.5	12.3	12.8	12.4	12.0	12.0	12.0	12.4	12.8	12.4	13.3	12.4	12.9	11.6	Compliant
01:00 - 01:59	12.6	12.7	12.3	12.5	12.1	12.1	11.9	12.0	12.4	12.7	12.5	12.6	12.6	12.0	11.4	Compliant
02:00 - 02:59	12.6	12.7	12.5	12.7	12.5	12.1	11.9	12.1	12.4	12.8	12.6	12.3	12.7	11.7	11.5	Compliant
03:00 - 03:59	12.6	12.7	12.5	12.7	12.6	12.1	12.0	12.0	12.6	12.7	12.5	12.4	12.7	11.8	11.5	Compliant
04:00 - 04:59	12.9	12.7	12.7	12.7	12.6	12.0	12.1	12.0	12.4	12.7	12.6	12.6	12.9	11.6	11.5	Compliant
05:00 - 05:59	13.3	13.4	13.4	13.4	12.7	12.0	12.5	12.2	13.0	12.6	12.5	13.3	13.4	12.1	11.7	Compliant
06:00 - 06:59	13.3	13.4	13.4	13.4	13.4	12.8	13.0	12.9	13.5	13.2	13.3	13.3	13.4	12.5	12.7	Compliant
07:00 - 07:59	13.3	13.3	13.3	13.4	13.5	12.9	13.0	13.0	13.6	13.5	13.4	13.3	13.4	12.6	12.8	Compliant
08:00 - 08:59	12.9	13.2	13.3	13.5	13.4	12.9	13.0	13.0	13.5	13.4	13.3	13.3	13.4	12.6	12.7	Compliant
09:00 - 09:59	13.0	13.1	13.2	13.3	13.0	12.9	13.0	12.8	13.5	13.4	13.3	13.3	13.4	12.5	12.4	Compliant
10:00 - 10:59	12.9	12.9	13.2	13.2	12.9	12.9	13.0	12.7	13.4	13.3	13.0	13.2	13.3	12.4	12.6	Compliant
11:00 - 11:59	12.8	12.9	13.1	12.7	12.8	12.8	12.9	12.9	13.3	13.3	13.2	13.2	13.3	12.2	12.6	Compliant
12:00 - 12:59	12.8	12.8	13.1	12.8	12.7	12.8	12.9	12.8	13.5	13.3	13.2	13.1	13.2	12.2	12.7	Compliant
13:00 - 13:59	12.8	12.9	13.0	12.7	13.0	12.9	12.9	12.9	13.5	13.3	13.3	13.2	13.1	12.5	12.7	Compliant
14:00 - 14:59	12.9	12.9	13.0	12.7	13.0	13.1	12.9	12.9	13.4	13.2	13.3	13.2	13.1	12.5	12.6	Compliant
15:00 - 15:59	12.9	13.1	12.9	12.7	12.9	13.1	12.9	12.9	13.3	13.2	13.2	13.2	13.0	12.4	12.6	Compliant
16:00 - 16:59	12.8	13.1	13.1	12.6	13.1	13.2	12.9	13.2	13.3	13.2	13.2	13.2	13.1	12.1	12.6	Compliant
17:00 - 17:59	12.8	13.1	13.1	13.1	13.1	13.2	12.9	13.4	13.4	13.4	13.2	13.2	13.1	12.5	12.6	Compliant
18:00 - 18:59	12.8	13.3	13.2	12.7	13.0	13.1	13.1	13.6	13.5	13.4	13.3	13.3	0.0	12.5	12.7	Compliant
19:00 - 19:59	13.0	13.4	13.2	12.7	13.1	13.1	13.1	13.6	13.4	13.4	13.3	13.3	0.0	12.6	12.8	Compliant
20:00 - 20:59	13.0	13.3	13.3	12.7	13.1	13.1	13.1	13.6	13.4	13.4	13.4	13.3	0.0	12.6	12.8	Compliant
21:00 - 21:59	13.1	13.3	13.3	12.8	13.1	13.1	12.4	13.6	13.4	13.3	13.3	13.3	0.0	12.6	12.8	Compliant
22:00 - 22:59	13.1	13.4	13.4	12.7	11.9	12.9	12.7	13.5	12.8	13.4	13.4	13.2	29.5	12.6	12.8	Low Load
23:00 - 23:59	12.5	12.6	13.4	12.3	11.9	12.1	12.6	13.4	12.8	12.5	13.4	13.1	23.9	11.9	12.7	Compliant

### Unit 2 NO<sub>x</sub> (ppmv) - October 2020

Time	1-Oct-20	2-Oct-20	3-Oct-20	4-Oct-20	5-Oct-20	6-Oct-20	7-Oct-20	8-Oct-20	9-Oct-20	10-Oct-20	11-Oct-20	12-Oct-20	13-Oct-20	14-Oct-20	15-Oct-20	Remarks
00:00 - 00:59	12.7	11.5	12.6	12.6	12.7	12.2	13.3	13.4	13.4	12.6	13.0	13.0	12.9	26.1	12.5	Low Load
01:00 - 01:59	12.1	11.4	11.8	12.5	12.7	12.3	13.3	13.5	13.4	12.4	12.5	13.1	12.9	29.5	12.5	Low Load
02:00 - 02:59	11.6	11.6	11.4	12.0	11.9	12.4	13.0	13.5	13.3	12.4	12.0	13.1	12.6	18.3	12.5	Compliant
03:00 - 03:59	11.5	11.6	11.6	11.3	12.0	12.4	12.2	13.5	13.3	12.4	12.1	13.0	12.1	13.0	12.4	Compliant
04:00 - 04:59	11.7	11.6	12.2	12.1	12.7	12.5	12.1	13.5	13.3	12.4	12.7	13.1	13.0	12.6	12.6	Compliant
05:00 - 05:59	12.7	12.4	12.6	12.5	12.7	13.3	12.3	13.5	13.4	12.5	13.3	13.2	13.0	12.3	12.6	Compliant
06:00 - 06:59	12.7	12.6	12.5	12.5	12.7	13.4	13.0	13.5	13.4	13.3	13.3	13.1	13.2	12.3	12.6	Compliant
07:00 - 07:59	12.7	12.6	12.6	12.7	12.7	13.3	13.3	13.5	13.4	13.5	13.2	13.2	13.2	12.3	12.6	Compliant
08:00 - 08:59	12.7	12.6	12.5	12.7	12.6	13.3	13.2	13.5	13.4	13.0	13.1	13.3	13.0	12.3	12.6	Compliant
09:00 - 09:59	12.6	12.5	12.3	12.6	12.5	13.2	13.1	13.5	13.5	13.2	13.0	13.4	12.9	12.2	12.7	Compliant
10:00 - 10:59	12.5	12.4	12.2	12.6	13.4	13.1	13.4	13.4	13.4	13.3	13.3	13.3	13.0	12.2	12.8	Compliant
11:00 - 11:59	12.5	12.4	12.6	12.5	13.4	13.1	13.5	13.3	13.4	13.2	13.0	13.2	13.0	12.0	18.7	Compliant
12:00 - 12:59	12.5	12.5	12.6	12.5	13.4	13.3	13.6	13.2	13.4	13.0	12.7	13.2	12.9	12.1	20.7	Compliant
13:00 - 13:59	12.6	12.5	12.6	12.6	13.5	13.4	13.5	13.2	13.3	13.0	12.7	13.2	12.9	12.1	12.9	Compliant
14:00 - 14:59	12.6	12.6	12.6	36.0	13.5	13.5	13.4	13.3	13.2	13.1	12.7	13.1	12.9	12.3	12.5	Low Load
15:00 - 15:59	12.6	12.5	12.6	38.4	13.4	13.2	13.2	13.4	13.1	13.1	12.8	13.1	12.9	12.2	12.5	Low Load
16:00 - 16:59	12.6	12.6	12.6	31.7	13.4	13.2	13.3	13.4	13.0	13.0	13.1	12.9	13.0	12.3	12.4	Low Load
17:00 - 17:59	12.6	12.5	12.6	12.2	13.3	13.3	13.4	13.4	13.0	13.0	13.3	12.9	13.0	12.3	12.6	Compliant
18:00 - 18:59	12.7	12.6	12.6	12.8	13.4	13.4	13.4	13.4	13.1	12.9	13.3	13.0	13.1	12.4	12.4	Compliant
19:00 - 19:59	12.8	12.6	12.6	13.3	13.4	13.3	13.5	13.5	13.2	12.8	13.3	13.2	13.2	12.6	12.5	Compliant
20:00 - 20:59	12.7	12.6	12.5	13.1	13.3	13.3	13.5	13.4	13.2	12.9	13.3	13.2	12.8	12.6	12.5	Compliant
21:00 - 21:59	12.6	12.6	12.6	12.9	13.4	13.3	13.5	13.4	13.1	13.1	13.1	12.9	12.6	12.5	12.4	Compliant
22:00 - 22:59	12.4	12.5	12.7	12.9	13.4	13.2	13.6	13.4	13.2	13.1	12.8	12.9	0.0	12.5	12.3	Compliant
23:00 - 23:59	12.7	12.6	12.6	12.7	13.0	13.3	13.4	13.4	13.0	12.8	13.0	12.9	0.0	12.5	12.5	Compliant

Time	16-Oct-20	17-Oct-20	18-Oct-20	19-Oct-20	20-Oct-20	21-Oct-20	22-Oct-20	23-Oct-20	24-Oct-20	25-Oct-20	26-Oct-20	27-Oct-20	28-Oct-20	29-Oct-20	30-Oct-20	31-Oct-20	Remarks
00:00 - 00:59	12.5	12.3	12.5	12.4	11.9	12.2	12.2	12.2	11.9	11.9	12.2	13.1	13.1	13.1	13.0	13.0	Compliant
01:00 - 01:59	12.4	12.4	12.5	12.4	12.0	12.2	12.2	12.2	12.0	11.9	12.3	13.2	13.1	13.1	13.1	13.1	Compliant
02:00 - 02:59	12.3	12.4	12.5	12.4	12.0	12.2	12.2	12.2	12.0	11.9	12.2	13.1	13.1	12.0	13.0	13.0	Compliant
03:00 - 03:59	12.4	12.4	12.6	12.4	12.0	12.2	12.2	12.2	12.1	11.9	12.2	13.2	13.0	13.0	13.1	13.0	Compliant
04:00 - 04:59	12.3	12.4	12.6	12.4	12.1	12.1	12.1	12.0	12.0	12.0	12.3	13.2	13.0	13.2	13.2	13.0	Compliant
05:00 - 05:59	12.4	12.3	12.6	12.5	12.0	12.3	12.2	12.1	12.0	12.0	12.3	13.2	13.0	13.1	13.2	12.2	Compliant
06:00 - 06:59	12.5	12.3	12.6	12.5	12.1	12.2	12.2	12.2	12.0	12.0	12.2	13.2	13.2	13.1	13.2	0.0	Compliant
07:00 - 07:59	12.5	12.3	12.6	12.5	12.2	12.2	12.2	12.1	12.0	12.0	12.2	13.1	13.2	13.1	13.2	0.0	Compliant
08:00 - 08:59	12.5	12.3	12.5	12.5	12.2	12.1	12.2	12.1	11.9	12.0	12.2	13.2	13.1	13.2	13.2	0.0	Compliant
09:00 - 09:59	12.4	12.3	12.4	12.4	12.1	11.8	12.1	11.9	11.6	12.0	12.2	13.2	12.7	13.1	13.0	0.0	Compliant
10:00 - 10:59	12.4	12.2	12.4	12.3	11.9	12.0	12.0	11.9	11.6	12.0	12.1	13.2	13.1	13.1	12.9	0.0	Compliant
11:00 - 11:59	12.3	24.4	12.3	12.2	11.9	12.1	12.0	11.8	11.7	12.1	12.1	13.1	13.2	13.1	12.8	0.0	Compliant
12:00 - 12:59	11.9	16.6	12.1	12.1	11.9	12.1	11.9	11.8	11.8	12.2	12.1	13.0	13.0	13.1	12.9	0.0	Compliant
13:00 - 13:59	12.1	12.3	12.2	12.2	11.9	12.1	11.9	11.9	11.8	12.3	12.0	13.0	13.0	13.1	13.0	0.0	Compliant
14:00 - 14:59	12.4	12.5	12.2	12.4	12.0	12.1	11.9	11.9	11.8	12.3	12.0	13.1	13.1	13.1	12.9	0.0	Compliant
15:00 - 15:59	12.3	12.7	12.2	12.2	12.0	12.1	12.0	11.9	11.8	12.2	12.1	13.1	13.1	13.0	12.8	0.0	Compliant
16:00 - 16:59	12.3	12.4	12.2	12.1	12.0	12.0	12.2	11.8	11.7	12.1	12.8	13.0	13.2	13.2	12.8	0.0	Compliant
17:00 - 17:59	12.2	12.0	12.3	12.0	11.9	12.1	12.4	11.8	11.7	12.1	13.2	13.2	13.2	13.2	12.9	0.0	Compliant
18:00 - 18:59	12.3	12.3	12.3	12.1	12.0	12.2	12.5	11.9	11.7	12.1	13.3	13.2	13.2	13.3	12.9	0.0	Compliant
19:00 - 19:59	12.4	12.5	12.3	12.1	12.0	12.2	12.4	11.9	11.7	12.1	13.3	13.1	13.2	13.2	13.0	24.7	Compliant
20:00 - 20:59	12.3	12.5	12.3	12.1	12.0	12.1	12.3	11.9	11.8	12.2	13.2	13.1	13.2	13.2	13.1	26.8	Low Load
21:00 - 21:59	12.4	12.5	12.4	12.0	12.0	12.2	12.3	11.7	11.9	12.1	13.1	13.1	13.1	13.2	13.0	27.8	Low Load
22:00 - 22:59	12.4	12.5	12.4	12.1	12.1	12.2	12.3	11.9	11.9	12.1	13.2	13.1	13.1	13.2	13.0	28.2	Low Load
23:00 - 23:59	12.3	12.6	12.4	11.9	12.1	12.1	12.3	11.9	11.9	12.1	13.2	13.1	13.1	13.1	13.0	28.6	Low Load



**Unit 2 NO<sub>x</sub> (ppmv) - November 2020**

Time	1-Nov-20	2-Nov-20	3-Nov-20	4-Nov-20	5-Nov-20	6-Nov-20	7-Nov-20	8-Nov-20	9-Nov-20	10-Nov-20	11-Nov-20	12-Nov-20	13-Nov-20	14-Nov-20	15-Nov-20	Remarks
00:00 - 00:59	28.6	12.6	13.4	12.6	12.7	12.8	12.8	12.6	11.6	13.1	21.3	12.5	12.7	12.7	12.6	Low Load
01:00 - 01:59	11.1	12.6	13.5	12.6	12.9	12.8	12.8	12.0	11.8	13.1	13.6	12.5	12.8	12.8	12.5	Compliant
02:00 - 02:59	7.8	12.5	13.4	12.7	12.6	12.9	12.7	12.6	12.3	13.1	12.8	12.6	12.8	12.8	12.7	Compliant
03:00 - 03:59	7.3	12.1	13.4	12.7	12.6	12.8	12.7	12.7	12.3	13.1	12.6	12.6	12.9	12.8	12.7	Compliant
04:00 - 04:59	7.3	12.5	13.0	12.7	12.8	12.8	12.7	12.6	12.5	13.1	12.5	12.4	12.9	12.8	12.6	Compliant
05:00 - 05:59	12.3	12.5	13.0	12.7	12.8	12.8	12.6	12.6	12.6	13.1	12.5	12.6	12.8	12.8	12.6	Compliant
06:00 - 06:59	12.2	12.5	13.0	12.7	12.8	12.8	12.7	12.7	12.7	13.1	12.5	12.6	12.9	12.7	12.7	Compliant
07:00 - 07:59	12.2	12.6	13.0	12.8	12.7	12.9	12.7	12.7	12.7	13.1	20.2	12.6	12.8	12.7	12.7	Compliant
08:00 - 08:59	12.2	12.6	13.0	12.7	12.7	12.7	12.7	12.5	12.6	13.0	30.7	12.6	12.8	12.6	12.6	Low Load
09:00 - 09:59	12.1	12.5	13.0	12.6	12.7	12.7	12.7	12.5	12.6	13.0	22.3	12.6	12.8	12.4	12.5	Compliant
10:00 - 10:59	12.1	12.5	13.0	12.3	12.6	12.6	12.2	12.5	12.5	13.0	13.6	12.5	13.9	12.3	12.5	Compliant
11:00 - 11:59	12.0	12.5	13.0	12.4	12.4	12.5	12.4	12.3	12.4	13.0	12.7	12.4	40.6	12.4	12.4	Low Load
12:00 - 12:59	12.0	13.2	13.0	12.4	12.4	12.3	12.3	12.2	12.3	12.8	12.4	12.3	33.9	12.4	12.3	Low Load
13:00 - 13:59	11.7	13.3	13.0	12.4	12.4	12.4	12.3	12.1	12.2	12.8	12.2	12.2	34.4	12.3	12.3	Low Load
14:00 - 14:59	11.8	13.4	10.4	12.6	12.4	12.5	12.4	12.1	12.2	12.8	12.1	12.3	21.7	12.3	12.3	Compliant
15:00 - 15:59	11.8	13.3	12.5	12.7	12.4	12.6	12.4	12.1	12.2	12.8	12.2	12.3	13.6	12.3	12.4	Compliant
16:00 - 16:59	11.8	13.3	12.4	12.8	12.4	12.5	12.4	12.2	12.2	12.9	12.3	12.5	12.8	12.4	12.6	Compliant
17:00 - 17:59	11.9	13.3	13.0	12.7	12.5	12.6	12.5	12.3	12.3	13.0	12.5	12.6	12.6	12.5	12.6	Compliant
18:00 - 18:59	12.2	13.3	12.6	12.8	12.5	12.6	12.6	12.4	12.9	13.0	12.2	12.5	12.7	12.5	12.5	Compliant
19:00 - 19:59	12.5	13.3	12.6	12.8	12.6	12.6	12.5	12.2	13.0	0.0	12.6	12.5	12.6	12.5	12.4	Compliant
20:00 - 20:59	12.6	13.2	12.6	12.8	12.7	12.6	12.5	12.4	13.0	0.0	12.6	12.5	12.6	12.5	12.5	Compliant
21:00 - 21:59	12.6	13.3	12.6	12.8	12.8	12.6	12.6	12.5	13.0	0.0	12.6	12.5	12.6	12.6	12.6	Compliant
22:00 - 22:59	12.6	13.4	12.7	12.9	12.8	12.7	12.7	12.4	13.1	26.3	12.4	12.6	12.6	12.6	12.6	Low Load
23:00 - 23:59	12.6	13.4	12.6	12.9	12.8	12.8	12.3	12.5	13.1	29.5	12.4	12.7	12.7	12.5	12.6	Low Load

Time	16-Nov-20	17-Nov-20	18-Nov-20	19-Nov-20	20-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	25-Nov-20	26-Nov-20	27-Nov-20	28-Nov-20	29-Nov-20	30-Nov-20	Remarks
00:00 - 00:59	12.6	12.8	13.2	13.2	13.0	13.0	13.1	14.4	14.6	14.5	14.5	14.4	14.1	13.4	13.3	Compliant
01:00 - 01:59	12.6	12.4	13.3	13.3	13.0	13.0	13.1	14.4	14.6	14.5	14.6	14.4	14.1	13.5	13.3	Compliant
02:00 - 02:59	12.6	12.5	13.4	13.2	13.0	12.8	13.1	14.4	14.7	14.5	14.5	14.4	14.2	13.5	13.4	Compliant
03:00 - 03:59	12.4	12.4	13.4	13.2	13.0	12.9	13.1	14.4	14.6	14.5	14.3	14.3	14.2	13.6	13.4	Compliant
04:00 - 04:59	12.3	12.5	13.3	13.1	13.0	12.9	13.0	14.3	14.6	14.5	14.4	14.4	14.2	13.5	13.3	Compliant
05:00 - 05:59	12.7	12.5	13.3	13.1	12.9	12.9	13.0	14.4	14.4	14.6	14.4	14.4	14.2	13.4	13.3	Compliant
06:00 - 06:59	12.6	12.6	13.3	13.2	12.9	12.9	13.0	14.5	14.6	14.5	14.4	14.4	14.2	13.6	13.3	Compliant
07:00 - 07:59	12.6	12.7	13.2	13.2	13.0	12.9	13.0	14.6	14.6	14.5	14.5	14.4	14.2	13.8	13.3	Compliant
08:00 - 08:59	12.5	13.5	13.2	13.2	13.0	13.0	14.0	14.5	14.6	14.5	14.5	14.5	14.3	13.8	13.5	Compliant
09:00 - 09:59	12.5	12.9	13.2	13.1	12.9	12.8	12.5	14.5	14.6	14.4	14.5	14.4	14.3	13.7	13.5	Compliant
10:00 - 10:59	12.4	12.9	13.1	13.1	12.9	12.9	12.9	14.5	14.5	14.4	14.4	14.3	13.6	13.7	13.5	Compliant
11:00 - 11:59	12.5	12.6	12.9	13.0	12.9	12.9	12.9	14.5	14.4	14.3	14.2	14.2	13.5	13.5	13.3	Compliant
12:00 - 12:59	12.7	12.6	12.8	12.8	12.8	12.8	12.7	14.3	14.3	14.2	14.1	14.1	13.4	13.4	13.2	Compliant
13:00 - 13:59	12.7	12.6	12.8	12.8	12.7	12.8	12.8	14.3	14.2	14.1	14.0	14.1	13.4	13.4	13.2	Compliant
14:00 - 14:59	12.6	12.6	12.7	12.8	12.6	12.8	14.0	14.2	14.2	14.2	14.0	14.0	13.3	13.3	13.2	Compliant
15:00 - 15:59	12.5	12.6	12.7	12.8	12.6	12.8	13.9	14.4	14.1	14.1	14.0	13.9	13.2	13.2	13.1	Compliant
16:00 - 16:59	12.5	12.7	12.7	12.7	12.6	12.9	13.9	14.5	14.1	14.2	14.0	13.8	13.1	13.2	13.3	Compliant
17:00 - 17:59	12.5	12.7	12.7	12.8	12.7	13.0	14.1	14.6	14.2	14.3	14.0	13.8	13.2	13.3	13.3	Compliant
18:00 - 18:59	12.6	12.8	12.8	12.8	12.8	13.0	14.2	14.6	14.2	14.6	14.2	13.9	13.3	13.2	13.3	Compliant
19:00 - 19:59	12.7	12.9	12.9	12.9	12.8	13.0	14.2	14.6	14.4	14.6	14.3	14.0	13.3	13.3	18.0	Compliant
20:00 - 20:59	12.7	13.0	13.0	12.9	12.8	13.1	14.2	14.5	14.5	14.6	14.3	14.1	13.4	13.3	37.7	Low Load
21:00 - 21:59	12.7	13.1	13.0	12.9	12.7	13.0	14.2	14.5	14.4	14.5	14.3	14.1	13.5	13.4	34.8	Low Load
22:00 - 22:59	12.8	13.1	13.2	12.8	12.8	13.0	14.4	14.5	14.5	14.5	14.4	14.2	13.3	13.4	14.5	Compliant
23:00 - 23:59	12.7	13.1	13.2	13.0	13.0	12.9	14.2	14.5	14.5	14.5	14.4	14.2	13.3	13.3	13.4	Compliant

**Unit 2 NO<sub>x</sub> (ppmv) - December 2020**

Time	1-Dec-20	2-Dec-20	3-Dec-20	4-Dec-20	5-Dec-20	6-Dec-20	7-Dec-20	8-Dec-20	9-Dec-20	10-Dec-20	11-Dec-20	12-Dec-20	13-Dec-20	14-Dec-20	15-Dec-20	Remarks
00:00 - 00:59	13.1	12.8	12.6	0.0	0.0	0.0	23.4	12.6	12.1	12.1	12.1	12.1	12.1	12.1	12.6	Compliant
01:00 - 01:59	13.0	12.8	12.8	0.0	0.0	0.0	34.5	12.8	12.1	12.2	12.1	12.1	12.2	12.3	12.5	Low load
02:00 - 02:59	12.9	12.7	12.8	0.0	0.0	0.0	12.5	12.8	11.8	12.2	12.1	12.2	12.2	12.2	12.3	Compliant
03:00 - 03:59	12.9	12.6	12.9	0.0	0.0	0.0	12.6	12.5	13.0	12.2	11.9	12.2	12.1	12.2	12.2	Compliant
04:00 - 04:59	12.9	12.7	12.9	0.0	0.0	0.0	12.6	12.7	13.0	12.2	12.1	12.1	12.2	12.1	12.6	Compliant
05:00 - 05:59	12.8	12.8	12.9	0.0	0.0	0.0	12.8	12.9	13.0	12.2	12.2	12.2	12.3	12.4	12.5	Compliant
06:00 - 06:59	12.8	12.8	12.9	0.0	0.0	0.0	12.8	12.9	13.0	12.2	12.2	12.1	12.3	12.5	12.6	Compliant
07:00 - 07:59	12.8	12.8	12.9	0.0	0.0	0.0	12.9	12.9	13.0	12.3	12.2	12.1	12.3	12.5	12.6	Compliant
08:00 - 08:59	12.9	12.8	12.9	0.0	0.0	0.0	13.0	12.9	13.0	12.4	12.4	12.3	12.5	12.8	12.9	Compliant
09:00 - 09:59	12.9	12.8	12.8	0.0	0.0	0.0	13.0	12.9	13.0	12.4	12.4	12.4	12.5	12.9	13.0	Compliant
10:00 - 10:59	12.7	12.7	12.7	0.0	0.0	0.0	13.0	12.9	13.0	12.4	12.4	12.5	12.5	13.0	13.1	Compliant
11:00 - 11:59	12.7	12.7	12.7	0.0	0.0	0.0	12.8	12.8	13.0	12.3	12.4	12.4	12.4	12.9	12.9	Compliant
12:00 - 12:59	12.6	12.6	12.3	0.0	0.0	0.0	12.7	13.0	13.0	12.3	12.2	12.3	12.1	12.4	12.6	Compliant
13:00 - 13:59	12.5	12.5	12.3	0.0	0.0	0.0	12.6	13.0	13.0	12.0	12.2	12.2	12.1	12.5	12.6	Compliant
14:00 - 14:59	12.5	12.5	12.3	0.0	0.0	0.0	12.4	13.0	13.0	12.1	12.2	12.2	12.3	12.5	12.5	Compliant
15:00 - 15:59	12.6	12.5	12.3	0.0	0.0	0.0	12.3	13.0	13.0	12.0	12.2	12.2	12.3	12.5	12.4	Compliant
16:00 - 16:59	12.5	12.5	12.4	0.0	0.0	0.0	12.3	13.0	13.0	12.0	12.2	12.1	12.4	12.6	12.5	Compliant
17:00 - 17:59	12.5	12.6	12.4	0.0	0.0	0.0	12.5	13.0	13.0	12.0	12.2	12.3	12.4	12.6	12.5	Compliant
18:00 - 18:59	12.7	12.6	12.6	0.0	0.0	0.0	12.7	12.7	13.0	12.1	12.2	12.3	12.5	12.7	12.6	Compliant
19:00 - 19:59	12.8	12.7	12.6	0.0	0.0	0.0	12.7	12.5	13.0	12.1	12.3	12.3	12.5	12.7	12.7	Compliant
20:00 - 20:59	12.8	12.7	12.7	0.0	0.0	0.0	12.6	11.7	13.0	12.1	12.3	12.4	12.4	12.8	12.7	Compliant
21:00 - 21:59	12.8	12.6	12.6	0.0	0.0	0.0	12.6	11.7	11.9	12.0	12.1	12.1	12.3	12.6	12.6	Compliant
22:00 - 22:59	12.8	12.7	12.1	0.0	0.0	0.0	12.7	11.6	11.9	12.2	12.1	12.0	12.3	12.8	12.0	Compliant
23:00 - 23:59	12.8	12.9	0.0	0.0	0.0	0.0	12.7	11.9	12.1	12.2	12.1	12.1	12.3	12.8	12.7	Compliant

Time	16-Dec-20	17-Dec-20	18-Dec-20	19-Dec-20	20-Dec-20	21-Dec-20	22-Dec-20	23-Dec-20	24-Dec-20	25-Dec-20	26-Dec-20	27-Dec-20	28-Dec-20	29-Dec-20	30-Dec-20	31-Dec-20	Remarks
00:00 - 00:59	12.7	12.5	12.5	12.3	12.3	12.3	12.5	12.5	12.6	12.3	12.5	12.4	12.4	12.2	12.3	12.3	Compliant
01:00 - 01:59	12.6	12.4	12.6	12.4	12.3	12.1	12.5	12.5	12.6	12.5	12.6	12.4	12.5	12.3	12.3	12.3	Compliant
02:00 - 02:59	12.5	12.2	12.7	12.3	12.3	12.3	12.1	12.4	12.7	12.5	12.4	12.4	12.6	12.3	12.1	12.3	Compliant
03:00 - 03:59	12.6	12.3	12.5	12.3	12.3	12.3	12.2	12.5	12.7	12.6	12.5	12.6	12.6	12.2	12.3	12.3	Compliant
04:00 - 04:59	12.2	12.4	12.4	12.3	12.2	12.4	12.6	12.6	12.6	12.7	12.5	12.6	12.4	12.3	12.4	12.4	Compliant
05:00 - 05:59	12.5	12.3	12.5	12.3	12.3	12.3	12.3	12.6	12.8	12.7	12.7	12.5	12.6	12.5	12.5	12.4	Compliant
06:00 - 06:59	12.5	12.3	12.5	12.3	12.4	12.4	12.6	12.7	12.8	12.7	12.6	12.6	12.7	12.5	12.6	12.3	Compliant
07:00 - 07:59	12.7	12.4	12.6	12.3	12.4	12.4	12.7	12.8	12.8	12.7	12.7	12.6	12.7	12.5	12.5	12.3	Compliant
08:00 - 08:59	12.7	12.5	12.5	12.4	12.5	12.4	12.8	12.8	12.9	12.8	12.9	12.6	12.7	12.7	12.6	12.5	Compliant
09:00 - 09:59	12.6	12.6	12.6	12.2	12.4	12.3	12.3	12.5	12.9	12.8	12.5	12.6	12.6	12.7	12.6	12.5	Compliant
10:00 - 10:59	12.5	12.2	12.5	12.3	12.3	12.3	12.7	12.6	12.6	12.8	12.8	12.6	12.5	12.6	12.4	12.4	Compliant
11:00 - 11:59	12.2	12.8	12.4	12.4	12.4	12.2	12.6	12.7	12.7	12.8	12.8	12.7	11.8	12.2	12.2	12.4	Compliant
12:00 - 12:59	12.3	12.5	12.3	12.7	12.3	12.3	12.6	12.8	12.8	12.8	12.7	12.7	12.7	12.5	12.4	12.2	Compliant
13:00 - 13:59	12.3	12.4	12.2	12.2	12.1	12.0	12.6	12.7	12.7	12.9	12.7	12.7	12.5	12.4	12.4	12.3	Compliant
14:00 - 14:59	12.3	12.5	12.2	12.2	12.1	11.1	12.6	12.7	12.7	12.8	12.7	12.7	12.6	12.4	12.3	12.4	Compliant
15:00 - 15:59	12.4	12.5	12.3	12.3	12.0	12.7	12.5	12.6	12.6	12.6	12.5	12.6	12.4	12.3	12.2	12.3	Compliant
16:00 - 16:59	12.5	12.6	12.4	12.2	12.0	12.6	12.4	12.6	12.6	12.5	12.4	12.4	12.6	12.2	12.2	12.3	Compliant
17:00 - 17:59	12.5	12.7	12.4	12.2	12.0	12.5	12.4	12.5	12.5	12.5	12.5	12.5	12.3	12.2	12.2	12.2	Compliant
18:00 - 18:59	12.6	12.7	12.3	12.3	12.1	12.1	12.5	12.5	12.5	12.5	12.4	12.5	12.3	12.1	12.2	12.3	Compliant
19:00 - 19:59	12.7	12.8	12.3	12.3	12.2	12.2	12.6	12.6	12.6	12.6	12.4	12.4	12.4	12.1	12.2	12.3	Compliant
20:00 - 20:59	12.5	12.8	12.4	12.4	12.3	12.5	12.4	12.5	12.6	12.5	12.5	12.5	12.4	12.1	12.2	12.3	Compliant
21:00 - 21:59	12.5	12.7	12.3	12.3	12.1	12.1	12.5	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.2	12.3	Compliant
22:00 - 22:59	12.6	12.8	12.3	12.3	12.2	12.2	12.6	12.6	12.6	12.6	12.4	12.4	12.4	12.1	12.2	12.3	Compliant
23:00 - 23:59	12.4	12.5	12.3	12.3	12.2	12.2	12.5	12.6	12.4	12.4	12.4	12.4	12.4	11.9	12.2	12.3	Compliant

## **APPENDIX 4 ENVIRONMENTAL MONITORING RESULTS – WATER**

## Wastewater discharge monitoring

Two (2) surface water monitoring events were conducted at the wastewater discharge point as well as upstream and downstream of the discharge point on January 29, 2020 and June 16, 2020. The monitoring results were compared against the discharge limits, which are based on the WBG EHS Guidelines for Thermal Power Plants (2008) and the IFC General EHS Guideline: Environmental Wastewater and Ambient Water Quality (2007). From September 2020 to November 2020, SMPC conducted four additional surface water monitoring events at the wastewater discharge point.

The results were in compliance to the stipulated limits with the exception of exceedances of Iron monitored at the discharge pipeline sampling point; exceedances of iron were also noted at upstream and downstream of the discharge point except for the monitoring event on January 29, 2020.

The data is reported in the following table and summarised in the subsequent charts.

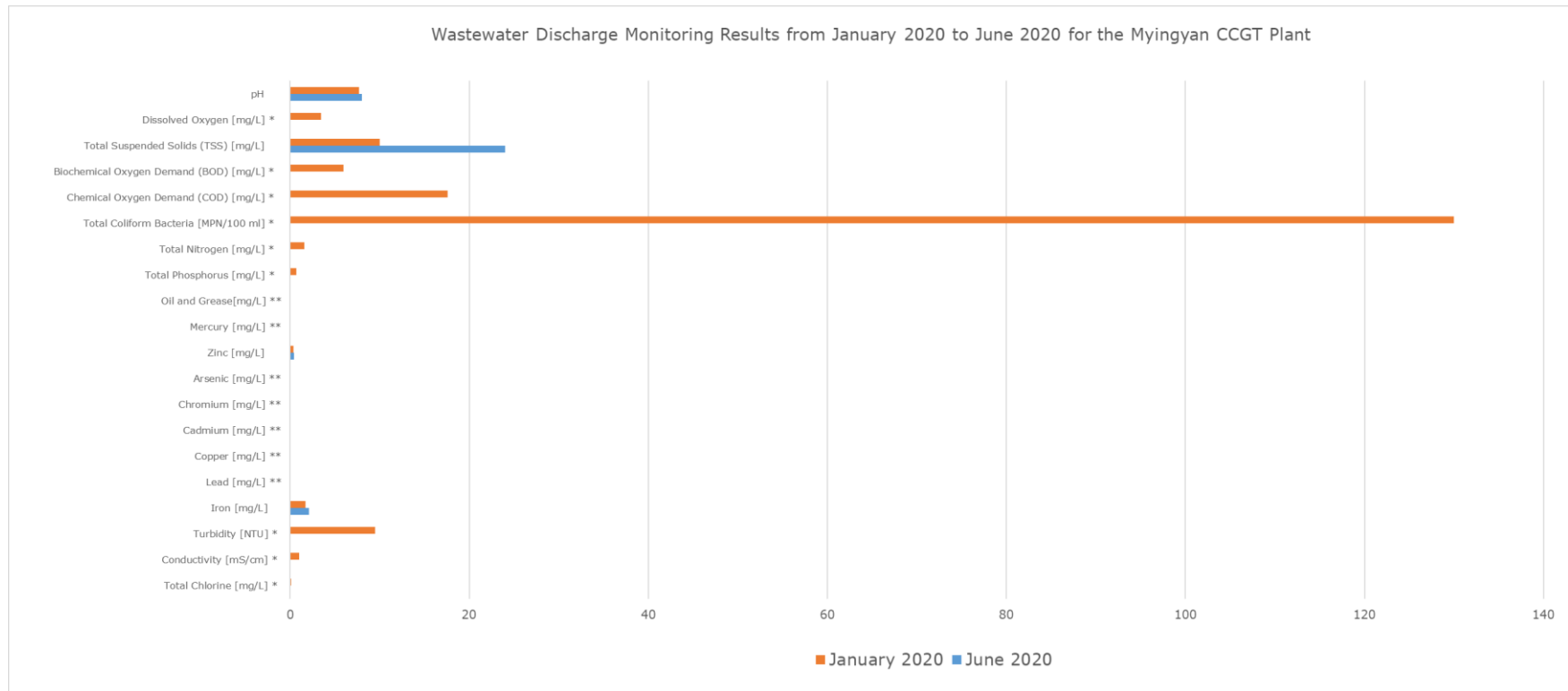
### Wastewater Discharge Monitoring Results from January 2020 to June 2020 for the Myingyan CCGT Plant

Parameters	Units	Discharge Limits	Jan-20	Jun-20
pH	-	6-9*	7.67	8.04
Dissolved Oxygen	mg/L	-	3.45	-
Total Suspended Solids (TSS)	mg/L	50*	10	24
Biochemical Oxygen Demand (BOD)	mg/L	30**	5.93	-
Chemical Oxygen Demand (COD)	mg/L	125**	17.6	-
Total Coliform Bacteria	MPN/100 ml	400**	130	-
Total Nitrogen	mg/L	10**	1.6	-
Total Phosphorus	mg/L	2**	0.67	-
Oil and Grease	mg/L	10*	< 3.1	< 3.1
Mercury	mg/L	0.005	≤ 0.002	≤ 0.002
Zinc	mg/L	1.0*	0.344	0.452
Arsenic	mg/L	0.5*	≤ 0.01	≤ 0.01
Chromium	mg/L	0.5*	≤ 0.002	≤ 0.002
Cadmium	mg/L	0.1*	≤ 0.002	≤ 0.002
Copper	mg/L	0.5*	≤ 0.002	≤ 0.002
Lead	mg/L	0.5*	≤ 0.002	≤ 0.002
Iron	mg/L	1.0*	<b>1.706</b>	<b>2.114</b>
Turbidity	NTU	< 50**	9.5	-
Conductivity	mS/cm	< 1.2**	0.977	-
Total Chlorine	mg/L	0.2*	0.1	-

Third party monitoring of wastewater discharge conducted by Golden DOWA Eco-system Myanmar CO., Ltd.

\* Myanmar NEQ Guidelines – Effluent Standards for Thermal Power (2015) / IFC EHS Guidelines Thermal Power Plants (2008).

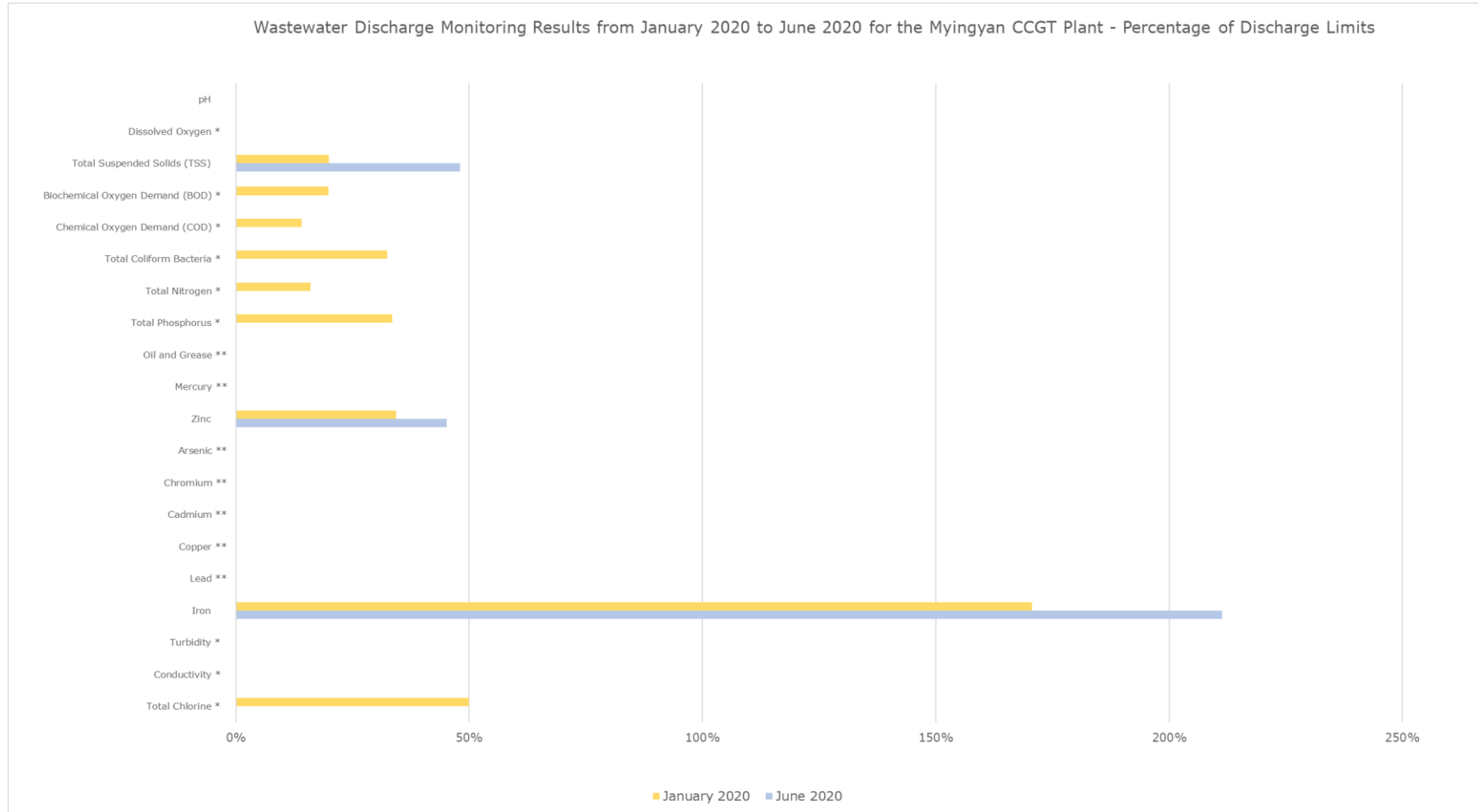
\*\* Myanmar NEQ Guidelines – Site Runoff and Wastewater Discharges 2015 / IFC General EHS Guideline: Environmental Wastewater and Ambient Water Quality (2007).



\* These parameters are not available in the sampling report for June 2020.

\*\* The chemicals/compounds are not detectable because their concentrations are below the limit of quantitation (LOQ).





\* These parameters are not available in the sampling report for June 2020.

\*\* The chemicals/compounds are not detectable because their concentrations are below the limit of quantitation (LOQ).

Monitoring Results from January 2020 to June 2020 for the Upstream and Downstream of the Wastewater Discharge Point

Parameters	Units	Discharge Limits	Upstream 100 m		Upstream Mid River		Downstream 100	
			Jan-20	Jun-20	Jan-20	Jun-20	Jan-20	Jun-20
pH	-	6-9*	7.84	7.77	7.85	7.84	7.81	7.65
Total Suspended Solids (TSS)	mg/L	50*	-	<b>104</b>	-	<b>92</b>	-	<b>82</b>
Chemical Oxygen Demand (COD)	mg/L	125**	5.2	-	5.8	-	10.4	-
Total Nitrogen	mg/L	10**	0.6	-	0.5	-	< 0.5	-
Total Phosphorus	mg/L	2**	0.05	-	0.06	-	< 0.05	-
Oil and Grease	mg/L	10*	-	< 3.1	-	< 3.1	-	< 3.1
Mercury	mg/L	0.005	-	≤ 0.002	-	≤ 0.002	-	≤ 0.002
Zinc	mg/L	1.0*	-	0.034	-	0.032	-	0.028
Arsenic	mg/L	0.5*	-	≤ 0.01	-	≤ 0.01	-	≤ 0.01
Chromium	mg/L	0.5*	-	≤ 0.002	-	≤ 0.002	-	≤ 0.002
Cadmium	mg/L	0.1*	-	≤ 0.002	-	≤ 0.002	-	≤ 0.002
Copper	mg/L	0.5*	-	≤ 0.002	-	≤ 0.002	-	≤ 0.002
Lead	mg/L	0.5*	-	≤ 0.002	-	≤ 0.002	-	≤ 0.002
Iron	mg/L	1.0*	<b>1.138</b>	<b>4.114</b>	<b>1.048</b>	<b>3.866</b>	0.854	<b>1.786</b>
Turbidity	NTU	< 50**	19.63	-	22.08	-	16.90	-
Conductivity	mS/cm	< 1.2**	0.175	-	0.178	-	0.183	-
Total Chlorine	mg/L	0.2*	0.1	-	< 0.1	-	0.1	-

Third party monitoring of wastewater discharge conducted by Golden DOWA Eco-system Myanmar CO., Ltd.

\* Myanmar NEQ Guidelines – Effluent Standards for Thermal Power (2015) / IFC EHS Guidelines Thermal Power Plants (2008).

\*\* Myanmar NEQ Guidelines – Site Runoff and Wastewater Discharges 2015 / IFC General EHS Guideline: Environmental Wastewater and Ambient Water Quality (2007).

Wastewater Discharge Monitoring Results from September 2020 to November 2020 for the Myingyan CCGT Plant

Parameters	Units	Discharge Limits	Sep 2, 2021	Sep 29, 2021	Oct 28, 2021	Nov 29, 2021
pH	-	6-9*	8.18	8.22	8.01	8.07
Chemical Oxygen Demand (COD)	mg/L	125**	24	6	4	61
Total Nitrogen	mg/L	10**	0	0	1	3
Total Phosphorus	mg/L	2**	0	0	0	0
Iron	mg/L	1.0*	0.91	0.81	0.91	1
Turbidity	NTU	< 50**	12.9	41.5	25	14.7
Conductivity	mS/cm	< 1.2**			0.288	0.797
Total Chlorine	mg/L	0.2*	0.03	0	0	0.02

Third party monitoring of wastewater discharge conducted by Golden DOWA Eco-system Myanmar CO., Ltd.

\* Myanmar NEQ Guidelines – Effluent Standards for Thermal Power (2015) / IFC EHS Guidelines Thermal Power Plants (2008).

\*\* Myanmar NEQ Guidelines – Site Runoff and Wastewater Discharges 2015 / IFC General EHS Guideline: Environmental Wastewater and Ambient Water Quality (2007).

Report No. : GEM-LAB-202002067  
Revision No. : 1  
Report Date : 14 February, 2020  
Application No. : 0299-C001

## Analysis Report

Client Name : Sembcorp Myingyan Power Company Limited  
Address : Beside of No.1 Steel Mill , Sa Khar Village, Myingyan.  
Project Name : Sembcorp Myingyan Power Company Limited  
Sample Description

Sample Name : Discharged pipe line sampling point \*1  
Sample No. : W-2001170  
Waste Profile No. : -  
Sampling Date : 28 January, 2020  
Sampling By : Customer  
Sample Received Date : 29 January, 2020

No.	Parameter	Method	Unit	Result	LOQ
1	pH	APHA 4500 H+B (Electrometric Method)	-	7.67	0.0
2	Dissolved Oxygen (DO)	APHA 4500-O G (Membrane Electrode Method)	mg/l	3.45	0.00
3	SS	APHA 2540D (Dry at 103-105°C Method)	mg/l	10	-
4	BOD (5)	HACH Method 10099 (Respirometric Method)	mg/l	5.93	0.00
5	COD (Cr)	APHA 5220D (Close Reflux Colorimetric Method)	mg/l	17.6	0.7
6	Total Coliform	APHA 9221B (Standard Total Coliform Fermentation Technique)	MPN/100ml	130	1.8
7	Total Nitrogen	HACH Method 10072 (TNT Persulfate Digestion Method)	mg/l	1.6	0.5
8	Total Phosphorous	APHA 4500-P E (Ascorbic Acid Method)	mg/l	0.67	0.05
9	Oil and Grease	APHA 5520B (Partition-Gravimetric Method)	mg/l	< 3.1	3.1
10	Mercury	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
11	Zinc	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	0.344	0.005
12	Arsenic	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.01	0.01
13	Chromium	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
14	Cadmium	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
15	Copper	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
16	Lead	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
17	Iron	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	1.706	0.005
18	Turbidity	APHA 2130 B (Nephelometric Method)	NTU	9.50	0.00
19	Conductivity	Instrument Analysis Method	mS/cm	0.977	0.000
20	Total Chlorine	APHA 4500 CL G (DPD Colorimetric Method)	mg/l	0.1	0.1

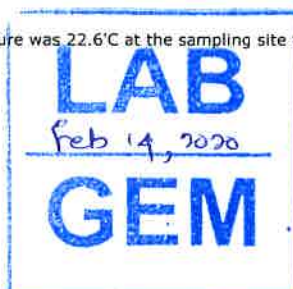
Remark : LOQ - Limit of Quantitation

APHA - American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF), Standard Methods for the Examination of Water and Wastewater, 22nd edition

\*1) Sample Temperature was 22.6°C at the sampling site that information was provided by customer.

Analysed By :

Ni Ni Aye Lwin  
Assistant Manager



Approved By :

Yoshiyuki Narabe  
Manager  
Feb 14, 2020



Report No. : GEM-LAB-202002068  
Revision No. : 1  
Report Date : 14 February, 2020  
Application No. : 0299-C001

## Analysis Report

Client Name : Sembcorp Myingyan Power Company Limited  
Address : Beside of No.1 Steel Mill , Sa Khar Village, Myingyan.  
Project Name : Sembcorp Myingyan Power Company Limited  
Sample Description

Sample Name : Upstream 100m \*1  
Sample No. : W-2001171  
Waste Profile No. : -  
Sampling Date : 28 January, 2020  
Sampling By : Customer  
Sample Received Date : 29 January, 2020

No.	Parameter	Method	Unit	Result	LOQ
1	Temperature	Instrument Analysis Method	°C	21.6	0.0
2	pH	APHA 4500 H+ B (Electrometric Method)	-	7.84	0.00
3	COD (Cr)	APHA 5220D (Close Reflux Colorimetric Method)	mg/l	5.2	0.7
4	Iron	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	1.138	0.002
5	Turbidity	APHA 2130 B (Nephelometric Method)	NTU	19.63	0.00
6	Conductivity	Instrument Analysis Method	mS/cm	0.175	0.000
7	Total Chlorine	APHA 4500 CL G (DPD Colorimetric Method)	mg/l	0.1	0.1
8	Total Nitrogen	HACH Method 10072 (TNT Persulfate Digestion Method)	mg/l	0.6	0.5
9	Total Phosphorous	APHA 4500-P E (Ascorbic Acid Method)	mg/l	0.05	0.05

Remark : LOQ - Limit of Quantitation

APHA - American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF), Standard Methods for the Examination of Water and Wastewater, 22nd edition

\*1) Sample Temperature was 21.7°C at the sampling site that information was provided by customer.

Analysed By :

Ni Ni Aye Lwin  
Assistant Manager



Approved By :

Yoshiyuki Narabe Feb 14, 2020  
Manager





Report No. : GEM-LAB-202002069  
 Revision No. : 1  
 Report Date : 14 February, 2020  
 Application No. : 0299-C001

## Analysis Report

Client Name : Sembcorp Myingyan Power Company Limited  
 Address : Beside of No.1 Steel Mill , Sa Khar Village, Myingyan.  
 Project Name : Sembcorp Myingyan Power Company Limited  
 Sample Description

Sample Name : Upstream mid river \*1  
 Sampling Date : 28 January, 2020  
 Sample No. : W-2001172  
 Sampling By : Customer  
 Waste Profile No. : -  
 Sample Received Date : 29 January, 2020

No.	Parameter	Method	Unit	Result	LOQ
1	Temperature	Instrument Analysis Method	°C	21.0	0.0
2	pH	APHA 4500 H+ B (Electrometric Method)	-	7.85	0.00
3	COD (Cr)	APHA 5220D (Close Reflux Colorimetric Method)	mg/l	5.8	0.7
4	Iron	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	1.048	0.002
5	Turbidity	APHA 2130 B (Nephelometric Method)	NTU	22.08	0.00
6	Conductivity	Instrument Analysis Method	mS/cm	0.178	0.000
7	Total Chlorine	APHA 4500 CL G (DPD Colorimetric Method)	mg/l	< 0.1	0.1
8	Total Nitrogen	HACH Method 10072 (TNT Persulfate Digestion Method)	mg/l	0.5	0.5
9	Total Phosphorous	APHA 4500-P E (Ascorbic Acid Method)	mg/l	0.06	0.05

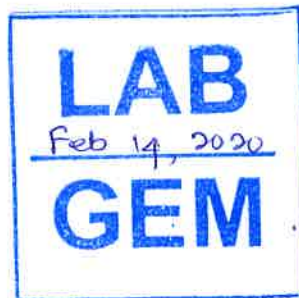
Remark : LOQ - Limit of Quantitation

APHA - American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF), Standard Methods for the Examination of Water and Wastewater, 22nd edition

\*1) Sample Temperature was 21.7°C at the sampling site that information was provided by customer.

Analysed By :

Ni Ni Aye Lwin  
 Assistant Manager



Approved By :

Yoshiyuki Narabe  
 Manager  
 Feb 14, 2020

Report No. : GEM-LAB-202002070

Revision No. : 1

Report Date : 14 February, 2020

Application No. : 0299-C001

## Analysis Report

Client Name : Sembcorp Myingyan Power Company Limited  
Address : Beside of No.1 Steel Mill , Sa Khar Village, Myingyan.  
Project Name : Sembcorp Myingyan Power Company Limited  
Sample Description

Sample Name : Downstream 100m \*1

Sampling Date : 28 January, 2020

Sample No. : W-2001173

Sampling By : Customer

Waste Profile No. : -

Sample Received Date : 29 January, 2020

No.	Parameter	Method	Unit	Result	LOQ
1	Temperature	Instrument Analysis Method	°C	21.0	0.0
2	pH	APHA 4500 H+ B (Electrometric Method)	-	7.81	0.00
3	COD (Cr)	APHA 5220D (Close Reflux Colorimetric Method)	mg/l	10.4	0.7
4	Iron	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	0.854	0.002
5	Turbidity	APHA 2130 B (Nephelometric Method)	NTU	16.90	0.00
6	Conductivity	Instrument Analysis Method	mS/cm	0.183	0.000
7	Total Chlorine	APHA 4500 CL G (DPD Colorimetric Method)	mg/l	0.1	0.1
8	Total Nitrogen	HACH Method 10072 (TNT Persulfate Digestion Method)	mg/l	< 0.5	0.5
9	Total Phosphorous	APHA 4500-P E (Ascorbic Acid Method)	mg/l	< 0.05	0.05

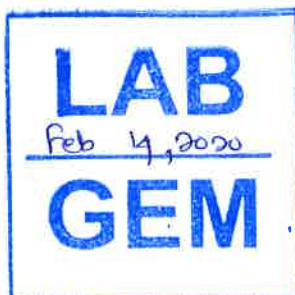
Remark : LOQ - Limit of Quantitation

APHA - American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF), Standard Methods for the Examination of Water and Wastewater, 22nd edition

\*1) Sample Temperature was 21.7°C at the sampling site that information was provided by customer.

Analysed By :

Ni Ni Aye Lwin  
Assistant Manager



Approved By :

Yoshiyuki Narabe Feb 14, 2020  
Manager



Report No. : GEM-LAB-202007062

Revision No. : 1

Report Date : 8 July, 2020

Application No. : 0299-C001

## Analysis Report

Client Name : Sembcorp Myingyan Power Company Limited  
Address : Beside of No.1 Steel Mill , Sa Khar Village, Myingyan.  
Project Name : Sembcorp Myingyan Power Company Limited

### Sample Description

Sample Name : Discharged pipe line sampling point      Sampling Date : 16 June, 2020  
Sample No. : W-2006180      Sampling By : GEM  
Waste Profile No. : -      Sample Received Date : 16 June, 2020

No.	Parameter	Method	Unit	Result	LOQ
1	Temperature	Instrument Analysis Method	°C	29.3	0.0
2	pH	APHA 4500 H+ B (Electrometric Method)	-	8.04	0.00
3	SS	APHA 2540D (Dry at 103-105°C Method)	mg/l	24	-
4	Oil and Grease	APHA 5520B (Partition-Gravimetric Method)	mg/l	< 3.1	3.1
5	Mercury	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
6	Zinc	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	0.452	0.002
7	Arsenic	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.01	0.01
8	Chromium	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
9	Cadmium	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
10	Copper	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
11	Lead	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
12	Iron	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	2.114	0.002

Remark : LOQ - Limit of Quantitation

APHA - American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF), Standard Methods for the Examination of Water and Wastewater, 22nd edition

Analysed By :

Ni Ni Aye Lwin  
Assistant Manager



Approved By :

Hideki Yomo  
Managing Director



Report No. : GEM-LAB-202007063

Revision No. : 1

Report Date : 8 July, 2020

Application No. : 0299-C001

## Analysis Report

Client Name : Sembcorp Myingyan Power Company Limited  
 Address : Beside of No.1 Steel Mill , Sa Khar Village, Myingyan.  
 Project Name : Sembcorp Myingyan Power Company Limited

### Sample Description

Sample Name : Upstream 100m Sampling Date : 16 June, 2020  
 Sample No. : W-2006181 Sampling By : GEM  
 Waste Profile No. : - Sample Received Date : 16 June, 2020

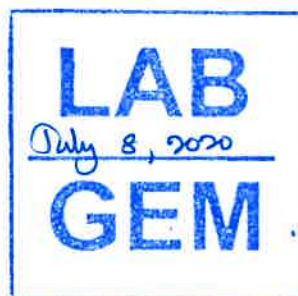
No.	Parameter	Method	Unit	Result	LOQ
1	Temperature	Instrument Analysis Method	°C	28.9	0.0
2	pH	APHA 4500 H+ B (Electrometric Method)	-	7.77	0.00
3	SS	APHA 2540D (Dry at 103-105°C Method)	mg/l	104	-
4	Oil and Grease	APHA 5520B (Partition-Gravimetric Method)	mg/l	< 3.1	3.1
5	Mercury	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
6	Zinc	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	0.034	0.002
7	Arsenic	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.01	0.01
8	Chromium	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
9	Cadmium	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
10	Copper	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
11	Lead	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	≤ 0.002	0.002
12	Iron	APHA 3120 B (Inductively Coupled Plasma (ICP) Method)	mg/l	4.114	0.002

Remark : LOQ - Limit of Quantitation

APHA - American Public Health Association (APHA), the American Water Works Association (AWWA), and the Water Environment Federation (WEF), Standard Methods for the Examination of Water and Wastewater, 22nd edition

Analysed By :

Ni Ni Aye Lwin  
 Assistant Manager



Approved By :

Hideki Yerno  
 Managing Director







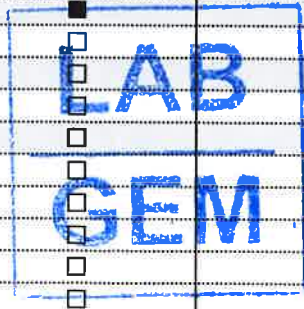


< Analysis Application Form >

Date: 16-6-20

Client's information (to be described in the tax invoice)		Client's information to be described in the analysis report (if it should be specified)	
Client name: Sembcorp Myingyan Power Company		Client name:	
Address of client: Beside of No. 1 Steel Mill, Sa Khar Village, Myingyan		Address of client:	
Project name: PO No. 4090000918		Project name:	
Tel No. / Email:		Tel No. / Email: ainsi@sembcorp.com;	
Contact person/Position:		Contact person/Position:	
Sample information	Sampling date:	Sample bottle(s): <input type="checkbox"/> Need to be returned, <input checked="" type="checkbox"/> Not need	
	Sampling by:	Expected analysis report due date :	
*To be filled by GEM Lab		Sampling Service; <input type="checkbox"/> No Use, <input checked="" type="checkbox"/> Use ( Sampling date: 16-6-20 Sampling by: GEM )	

Sample details	No.	1	2	3	4	
	Sample name	Discharged pipe line sampling point	Upstream 100m	Upstream mid river	Downstream 100m	
Sample information	Type of water	<input type="checkbox"/> Drinking water <input type="checkbox"/> Surface water (river, lake etc.) <input type="checkbox"/> Ground water <input type="checkbox"/> Saline/sea water <input type="checkbox"/> Wastewater <input type="checkbox"/> Others ( )	<input type="checkbox"/> Drinking water <input type="checkbox"/> Surface water (river, lake etc.) <input type="checkbox"/> Ground water <input type="checkbox"/> Saline/sea water <input type="checkbox"/> Wastewater <input type="checkbox"/> Others ( )	<input type="checkbox"/> Drinking water <input type="checkbox"/> Surface water (river, lake etc.) <input type="checkbox"/> Ground water <input type="checkbox"/> Saline/sea water <input type="checkbox"/> Wastewater <input type="checkbox"/> Others ( )	<input type="checkbox"/> Drinking water <input type="checkbox"/> Surface water (river, lake etc.) <input type="checkbox"/> Ground water <input type="checkbox"/> Saline/sea water <input type="checkbox"/> Wastewater <input type="checkbox"/> Others ( )	
	Volume of sample container					
	Q'ty of container					
	Analysis parameter	Temperature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		pH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Oil and Grease		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Mercury		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Zinc		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Arsenic		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Chromium		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Cadmium		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Copper		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Lead		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Iron		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other request (if any)	-Nitrate, -Fluoride -Total Alkalinity 12	12	12	12		



*To be filled by GEM Lab	Sample No.	*****	W-2006181	W-2006182	W-2006183
Remark(if any):	W-2006180	07062	07063	07064	07065

Zaw Moe Aung

*To be filled by GEM lab	Application Received by:	Sample Received by:	Application No: (*our administration section)
Date: 16/7/20		Date: 16/7/20	4043-2 - 2001 0299



GOLDEN DOWA ECO-SYSTEM MYANMAR CO., LTD.  
Lot No. E1 Thilawa SEZ Zone A, Yangon Region, Republic of the Union of Myanmar  
Tel:01-2309051

---

To

U Tin Maung Thein  
HSE Manager  
Sembcorp Myingyan Power Company Limited

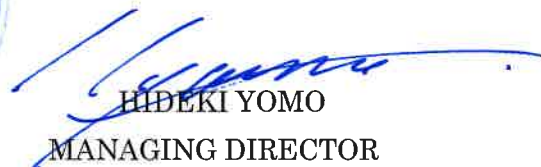
Date: 27<sup>th</sup> October, 2020

Subject: Information about sampling service for water samples

Reference: MOHS Order No 107/2020

With regards to above matter, we would like to inform you that we stop the sampling service at the customer site from September 2020 to until clearance announcement due to the serious effects of COVID – 19 and lock down announcement by MOHS Order No. 107/2020.



  
HIDEKI YOMO  
MANAGING DIRECTOR

GOLDEN DOWA ECO-SYSTEM MYANMAR CO., LTD

## **APPENDIX 5**

### **2020-2021 CSR INVESTMENTS, ONGOING ACTIVITIES – TABLE OF PROJECTS**

## Community Development On going 13 activities

No.	Village	Activity	Status	Estimated date of completion
1	Sarkhaar	Piping work for water supply, electricity for school	Pending due to COVID-19 patient in village and waiting for Village Administrator approval	End of January 2021
2	Hnan	School fencing (length 260ft)	On progress	Mid of January 2021
3	Phet Taw	Single Chair and Bench (100 set) - Single Chair and Bench (100 set)	Under quotaion process	End of January 2021
4	Nyaung Kan	School fencing (length 170ft)	On progress	Mid of January 2021
5	Theim	School fencing (length 217ft)	On progress	Mid of January 2021
6	Gyoke Pin	Village clinic (16ft x 24ft)	On progress	Mid of January 2021
7	Hta Naung Tai	Village General Administration Office (32ft x 16ft)	On progress	Mid of January 2021
8	Aye	School classroom (32ft x 16ft)	On progress	Mid of January 2021
9	Ma Yoe Kone	School classroom (32ft x 16ft)	On progress	Mid of January 2021
10	Tha Pyay Thar	School classroom (32ft x 16ft)	On progress	Mid of January 2021
11	Sate Nyan	School classroom (32ft x 16ft)	On progress	Mid of January 2021
12	Ka Lane Chone	School classroom (32ft x 16ft)	On progress	Mid of January 2021
13	Kyun U	School classroom (Renovation)	On progress	Mid of January 2021



## **APPENDIX 6**

### **2021 CSR ACTIVITIES PLANNED – TABLE OF PROJECTS**

## Planned CSR Activity for Year 2021

No	Activity Title
1	Futsal Tournament
2	English Speaking Class
3	Community celebration in Myingyan and Taung Tha
4	Medical Camp (2 cycles) - 13 Villages
5	Enhance Quality of Drinking Water for 13 Villages
6	Sarkhaar -(Educational and Infrastructure Support)
7	Hnan - (Educational and Infrastructure Support)
8	Phet Taw - (Educational and Infrastructure Support)
9	Nyaung Kan - (Educational and Infrastructure Support)
10	Thein - (Educational and Infrastructure Support)
11	Gyoke Pin - (Educational and Infrastructure Support)
12	Hta Naung Tai - (Educational and Infrastructure Support)
13	Aye - (Educational and Infrastructure Support)
14	Ma Yoe Kone - (Educational and Infrastructure Support)
15	Tha Pyay Thar - (Educational and Infrastructure Support)
16	Sate Nyan - (Educational and Infrastructure Support)
17	Ka Lain Chone - (Educational and Infrastructure Support)
18	Kyun U - (Educational and Infrastructure Support)

## **APPENDIX 7 STAKEHOLDER ENGAGEMENT DATABASE YEAR 2020**



















SE20000002	25-Nov-20	9:48	Kyran U / PAP 0125 / Home	PAP	NA	PAP 0125 U Thien Tun + Daw Mar Myint, Ko Yan Tun, HMO	NA	U	3	PAP 0125 U Thien Tun + Daw Mar Myint	01 76743355	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0125	To Introduction New CSR to PAP 0125	Community Relation	NA	To Introduction New CSR to PAP 0125	TR00	TR00
SE20000003	25-Nov-20	10:00	Kyran U / PAP 0056 / Home	PAP	NA	PAP 0056 Daw Ky (Teacher), Ko Yan Tun, HMO	NA	U	3	PAP 0056 Daw Ky (Teacher)	01 79138370	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0056	To Introduction New CSR to PAP 0056	Community Relation	NA	To Introduction New CSR to PAP 0056	TR00	TR00
SE20000004	25-Nov-20	10:10	Kyran U / PAP 0127 / Home	PAP	NA	PAP 0127 Daw Ai Ma Ky, Ko Yan Tun, HMO	TR00	U	3	PAP 0127 Daw Ai Ma Ky	01 76260037	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0127	To Introduction New CSR to PAP 0127	Community Relation	NA	To Introduction New CSR to PAP 0127	TR00	TR00
SE20000005	25-Nov-20	09:31	Yee Thaw Shwe / PAP 0060 / Home	PAP	NA	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 79255507	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0060	To Introduction New CSR to PAP 0060	Community Relation	NA	To Introduction New CSR to PAP 0060	TR00	TR00
SE20000006	25-Nov-20	10:28	Yee Thaw Shwe / PAP 0060 / Home	PAP	NA	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 79255507	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0060	To Introduction New CSR to PAP 0060	Community Relation	NA	To Introduction New CSR to PAP 0060	TR00	TR00
SE20000007	25-Nov-20	10:28	Yee Thaw Shwe / PAP 0060 / Home	PAP	NA	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 79255507	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0060	To Introduction New CSR to PAP 0060	Community Relation	NA	To Introduction New CSR to PAP 0060	TR00	TR00
SE20000008	25-Nov-20	11:42	Hsa Hnang Yai / PAP 0040 / Home	PAP	NA	PAP 0040 U Puan Lwin (Daughter) PAP 0038 U Puan Lwin, HMO	TR00	U	2	PAP 0040 U Puan Lwin (Daughter) PAP 0038 U Puan Lwin, HMO	01 76260135	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0040	To Introduction New CSR to PAP 0040	Community Relation	NA	To Introduction New CSR to PAP 0040	TR00	TR00
SE20000009	25-Nov-20	12:10	Hsa Hnang Yai / PAP 0142 / Home	PAP	NA	PAP 0142 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0142 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 90553444	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0142	To Introduction New CSR to PAP 0142	Community Relation	NA	To Introduction New CSR to PAP 0142	TR00	TR00
SE20000010	25-Nov-20	13:31	Hsa Hnang Yai / PAP 0107 / Home	PAP	NA	PAP 0107 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0107 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 90553774	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0107	To Introduction New CSR to PAP 0107	Community Relation	NA	To Introduction New CSR to PAP 0107	TR00	TR00
SE20000011	25-Nov-20	13:54	Yee Thaw Shwe / PAP 0104 / Home	PAP	NA	PAP 0104 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0104 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 76553769	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0104	To Introduction New CSR to PAP 0104	Community Relation	NA	To Introduction New CSR to PAP 0104	TR00	TR00
SE20000012	25-Nov-20	14:11	Yee Thaw Shwe / PAP 0102 / Home	PAP	NA	PAP 0102 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0102 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 72955507	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0102	To Introduction New CSR to PAP 0102	Community Relation	NA	To Introduction New CSR to PAP 0102	TR00	TR00
SE20000013	25-Nov-20	14:05	Hsa Hnang Yai / Aye Ya Ya / Home	Affected Communities	NA	PAP 0075 U Puan Lwin (Daughter) PAP 0076 U Puan Lwin, HMO	TR00	U	2	PAP 0075 U Puan Lwin (Daughter) PAP 0076 U Puan Lwin, HMO	01 77051376	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0075	To Introduction New CSR to PAP 0075	Community Relation	NA	To Introduction New CSR to PAP 0075	TR00	TR00
SE20000014	25-Nov-20	16:06	Yee Thaw Shwe / PAP 0106 / Home	PAP	NA	PAP 0106 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0106 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 49313034	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0106	To Introduction New CSR to PAP 0106	Community Relation	NA	To Introduction New CSR to PAP 0106	TR00	TR00
SE20000015	25-Nov-20	10:30	Mingyan Township General Administration Department	Local Authorities	NA	U Han Nyaung Township Administrator, Dr. PST, HMO	TR00	U	3	U Han Nyaung Township Administrator	01 3173703	Face to Face Individual Meeting	NA	HMO	Submitting request letter for Plant Size	Submitting request letter for Plant Size	Community Relation	NA	Submitting request letter for Plant Size	HMO	TR00
SE20000016	26-Nov-20	8:52	Seikhaer / Water supply pipe line	Affected Communities	NA	U Maung Myint Vifa Group, TR00	TR00	U	4	U Maung Myint Vifa Group	01 79705870	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0056	To Introduction New CSR to PAP 0056	Community Relation	NA	To Introduction New CSR to PAP 0056	TR00	TR00
SE20000017	26-Nov-20	12:30	Kyran U / PAP 0056 / Home	PAP	NA	PAP 0056 Daw Ky (Teacher), Ko Yan Tun, HMO	TR00	U	3	PAP 0056 Daw Ky (Teacher)	01 79138370	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0056	To Introduction New CSR to PAP 0056	Community Relation	NA	To Introduction New CSR to PAP 0056	TR00	TR00
SE20000018	26-Nov-20	14:06	Yee Thaw Shwe / PAP 0060 / Home	PAP	NA	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0060 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 79255507	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0060	To Introduction New CSR to PAP 0060	Community Relation	NA	To Introduction New CSR to PAP 0060	TR00	TR00
SE20000019	26-Nov-20	12:55	Hsa Hnang Yai / Daw Aye Ya Ya / Home	Affected Communities	NA	PAP 0075 U Puan Lwin (Daughter) PAP 0076 U Puan Lwin, HMO	TR00	U	2	PAP 0075 U Puan Lwin (Daughter) PAP 0076 U Puan Lwin, HMO	01 77051376	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0075	To Introduction New CSR to PAP 0075	Community Relation	NA	To Introduction New CSR to PAP 0075	TR00	TR00
SE20000020	26-Nov-20	10:10	Hsa Hnang Yai / PAP 0056 / Home	PAP	NA	PAP 0056 Daw Ky (Teacher), Ko Yan Tun, HMO	TR00	U	3	PAP 0056 Daw Ky (Teacher)	01 79138370	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0056	To Introduction New CSR to PAP 0056	Community Relation	NA	To Introduction New CSR to PAP 0056	TR00	TR00
SE20000021	27-Nov-20	12:28	Mingyan Township General Administration Department	Local Authorities	NA	U Han Nyaung Township Administrator, Dr. PST, HMO	TR00	U	3	U Han Nyaung Township Administrator	01 3173703	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0056	To Introduction New CSR to PAP 0056	Community Relation	NA	To Introduction New CSR to PAP 0056	TR00	TR00
SE20000022	28-Nov-20	10:04	Hsa Hnang Yai / PAP 0028 / Home	PAP	NA	PAP 0028 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0028 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 77745422	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0028	To Introduction New CSR to PAP 0028	Community Relation	NA	To Introduction New CSR to PAP 0028	TR00	TR00
SE20000023	28-Nov-20	10:23	Hsa Hnang Yai / PAP 0020 / Home	PAP	NA	PAP 0020 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	4	PAP 0020 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 26555511	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0020	To Introduction New CSR to PAP 0020	Community Relation	NA	To Introduction New CSR to PAP 0020	TR00	TR00
SE20000024	28-Nov-20	11:04	Hnang Ky / School	Affected Communities	NA	U Maung Myint Vifa Group, TR00, Ko Kyaw Zayin's Group	TR00	U	10	U Maung Myint Vifa Group	01 25554980	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0030	To Introduction New CSR to PAP 0030	Community Relation	NA	To Introduction New CSR to PAP 0030	TR00	TR00
SE20000025	28-Nov-20	11:50	Thawin / School	Affected Communities	NA	U San Lwin Vifa, TR00, Ko Kyaw Zayin's Group	TR00	U	8	U San Lwin Vifa	01 79770110	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0030	To Introduction New CSR to PAP 0030	Community Relation	NA	To Introduction New CSR to PAP 0030	TR00	TR00
SE20000026	1-Dec-20	13:57	Hsa Hnang Kone / PAP 0101 / Home	PAP	NA	PAP 0101 U Thawin Zayin's Group, TR00	TR00	U	2	PAP 0101 U Thawin Zayin's Group	01 25413758	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0101	To Introduction New CSR to PAP 0101	Community Relation	NA	To Introduction New CSR to PAP 0101	TR00	TR00
SE20000027	1-Dec-20	14:12	Yee Thaw Shwe / PAP 0108 / Home	PAP	NA	PAP 0108 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	3	PAP 0108 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 25541375	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0108	To Introduction New CSR to PAP 0108	Community Relation	NA	To Introduction New CSR to PAP 0108	TR00	TR00
SE20000028	2-Dec-20	12:10	Hsa Hnang Yai / PAP 0141 / Home	PAP	NA	PAP 0141 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	TR00	U	2	PAP 0141 U Nyan Ky (Daughter) Ma Win Win Hmo, Ko Yan Tun, HMO	01 49115423	Correspondence (private, letter email)	NA	TR00	Regular Visit	Regular Visit	Community Relation	NA	Regular Visit (before 2020 San Thawin)	TR00	TR00
SE20000029	2-Dec-20	10:00	Hnang Ky / School	Affected Communities	NA	U Han Nyaung Vifa Group, HMO	TR00	U	10	U Han Nyaung Vifa	01 26357659	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000030	2-Dec-20	11:18	Phat Thaw / U San Tun Vifa / Home	Affected Communities	NA	U San Tun Vifa Group, HMO	TR00	U	13	U San Tun Vifa	01 69327134	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000031	2-Dec-20	12:20	Thawin / U San Lwin Vifa / Home	Affected Communities	NA	U San Lwin Vifa Group, HMO	TR00	U	11	U San Lwin Vifa	01 79770110	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000032	2-Dec-20	14:00	Spokee Ph / School	Affected Communities	NA	U Win Hnang Vifa Group, HMO	TR00	U	12	U Win Hnang Vifa	01 40274705	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000033	2-Dec-20	15:30	Kyran U / U Kyaw Tun Vifa / Home	Affected Communities	NA	U Kyaw Tun Vifa Group, HMO	TR00	U	11	U Kyaw Tun Vifa	01 76061310	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000034	3-Dec-20	9:00	Hsa Hnang Tai / CAD Office	Affected Communities	NA	U Aye Ko Vifa Group, HMO	TR00	U	14	U Aye Ko Vifa	01 76260464	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000035	3-Dec-20	10:30	Yee Thaw Shwe / Vifa Group, HMO	Affected Communities	NA	U Myint Daw Vifa Group, HMO	TR00	U	10	U Myint Daw Vifa	01 74482749	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000036	3-Dec-20	13:10	The Pway Thaw / School	Affected Communities	NA	U Win Shwe Vifa Group, HMO	TR00	U	14	U Win Shwe Vifa	01 76063506	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000037	3-Dec-20	13:10	Ma Yaw Kone / School	Affected Communities	NA	U Win Maung Vifa Group, HMO	TR00	U	15	U Win Maung Vifa	01 95541035	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000038	3-Dec-20	14:40	Seaw Nyan / U Chi Win Vifa / Home	Affected Communities	NA	U Chi Win Vifa Group, HMO	TR00	U	11	U Chi Win Vifa	01 4114941	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000039	3-Dec-20	15:40	U San Lwin Vifa / School	Affected Communities	NA	U San Lwin Vifa Group, HMO	TR00	U	11	U San Lwin Vifa	01 76063570	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000040	3-Dec-20	16:30	Hnang Ky / U San Lwin Vifa / Home	Affected Communities	NA	U San Lwin Vifa Group, HMO	TR00	U	15	U San Lwin Vifa	01 98163090	Face to Face Individual Meeting	NA	HMO	Annual Public Stakeholder Engagement 2020	Annual Public Stakeholder Engagement 2020	Community Relation	NA	Annual Public Stakeholder Engagement 2020	HMO	TR00
SE20000041	7-Dec-20	14:36	Seikhaer / DMP supply station	PAP	NA	PAP 0056 Daw Ky (Teacher), Ko Yan Tun, HMO	TR00	U	3	PAP 0056 Daw Ky (Teacher)	01 79138370	Face to Face Individual Meeting	NA	TR00	To Introduction New CSR to PAP 0056	To Introduction New CSR to PAP 0056	Community Relation	NA	To Introduction New CSR to PAP 0056	TR00	TR00
SE20000042	05-Dec-20	09:00	Yee Thaw Shwe / U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	4	U Maung Myint Vifa	01 79705870	Face to Face Individual Meeting	NA	HMO	Face Social Interview	Face Social Interview	Community Relation	NA	Face Social Interview	HMO	TR00
SE20000043	05-Dec-20	10:00	Yee Thaw Shwe / U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	4	U Maung Myint Vifa	01 79705870	Face to Face Individual Meeting	NA	HMO	Face Social Interview	Face Social Interview	Community Relation	NA	Face Social Interview	HMO	TR00
SE20000044	05-Dec-20	10:00	Yee Thaw Shwe / U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	4	U Maung Myint Vifa	01 79705870	Face to Face Individual Meeting	NA	HMO	Face Social Interview	Face Social Interview	Community Relation	NA	Face Social Interview	HMO	TR00
SE20000045	11-Dec-20	11:00	The Pway Thaw / U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	4	U Maung Myint Vifa	01 79705870	Face to Face Individual Meeting	NA	HMO	Face Social Interview	Face Social Interview	Community Relation	NA	Face Social Interview	HMO	TR00
SE20000046	11-Dec-20	12:00	The Pway Thaw / U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	4	U Maung Myint Vifa	01 79705870	Face to Face Individual Meeting	NA	HMO	Face Social Interview	Face Social Interview	Community Relation	NA	Face Social Interview	HMO	TR00
SE20000047	11-Dec-20	13:00	U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	4	U Maung Myint Vifa	01 79705870	Face to Face Individual Meeting	NA	HMO	Face Social Interview	Face Social Interview	Community Relation	NA	Face Social Interview	HMO	TR00
SE20000048	14-Dec-20	09:00	Seikhaer / U Maung Myint Vifa / Home	Affected Communities	NA	U Maung Myint Vifa Group, HMO	TR00	U	10	U Maung Myint Vifa	01 79705870	Face to Face									