OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10 Organic Resources Recovery Centre (Phase 1): *Sixteenth Quarterly EM&A Summary Report*

1 March 2019 – 31 May 2019

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Meinhardt Infrastructure and Environment Limited

Organic Resources Recovery Centre, Phase I

16th Quarterly EM&A Summary Report

(1 March 2019 – 31 May 2019)

(July 2019)

Verified by: Helen Cochrane

Position: Independent Environmental Checker

Date: 8 July 2019

OSCAR Bioenergy Joint Venture

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Reference 0279222

For and on behalf of ERM-Hong Kong, Limited

Approved by: Frank Wan

Signed:

Position: Partner

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Date: 19 June 2019

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EXECUTIVE SUMMARY

The construction works of ***No. EP/SP/61/10 Organic Resources Recovery Centre Phase 1 (the Project)*** commenced on 21 May 2015. This is the 16th quarterly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 March 2019 to 31 May 2019 in accordance with the EM&A Manual. Substantial completion of the construction works was confirmed on 3 December 2018. In the meantime, the operation phase EM&A programme had commenced in March 2019.

Summary of Works undertaken during the Reporting Month

Works undertaken in the reporting month included:

- Operation of the Project, including organic waste reception, and operation of the pre-treatment facilities, anaerobic digesters, composting facilities, air pollution control systems, on-line emission monitoring system for the Centralised Air Pollution Control Unit (CAPCS), Co-generation Units (CHP)s and Ammonia Stripping Plant (ASP), and the wastewater treatment plant;

- Process fine-tune, including adjustment of the ASP with new treatment media, modification of Continuous Environmental Monitoring System (CEMS) and Supervisory Control and Data Acquisition System (SCADA) rectification and improvement works following equipment failures and the alteration of different operation modes and measures to adapt to the high variation of SSOW nature and sources; and

- Construction of the Visitor Centre.

Environmental Monitoring and Audit Progress

Air Quality Monitoring

Exceedances on odour from CAPCS, on dust, NOx and SO_2 from CHP and on CO, NOx, SO_2, VOCs and NH_3 from ASP were recorded on the on-line monitoring system in March 2019. Exceedances on odour from CAPCS, on NOx and SO_2 from CHP and on CO, NOx, SO_2, VOCs and NH_3 from ASP were recorded on the on-line monitoring system in April 2019. Exceedances on NOx and SO_2 from CHP and on Dust, CO, NOx, SO_2, VOCs, NH_3 and HF from ASP were recorded on the on-line monitoring system in May 2019. It should be noted that measurements recorded under abnormal operating conditions, e.g. start up and stopping of stacks, unstable operation, test runs and interference of sensor, are disregarded.

Exceedances in emission parameters of CAPCS, CHP and ASP were found to be a result of problems with the chemical dosing system of the air pollution control systems of the CAPCS, tripping of the circulation pump resulting in the incomplete desulphurisation of biogas which fed to the CHPs, continuous fine-tuning of CHP setting, incomplete desulphurisation of biogas which fed

to the CHPs, and tripping and stopping of ASP and the incomplete thermal combustion of the thermal combustion unit of the ASP.

The Contractor has implemented mitigation measures to control the exceedance (including the arrangement of supplier of the dosing system for the CAPCS to repair the dosing system and manual dosing of chemical to the CAPCS until the problems of the automatic dosing system is fixed; re-adjustment for NO_x control for CHP; continuous monitoring and routine maintenance of the desulphurisation column is carried out ; and tuning the thermal combustion unit of the ASP to optimise combustion efficiency and overall performance).

The Contractor has implemented mitigation measures to control the exceedance by further fine-tuning the thermal combustion unit of the ASP to optimise combustion efficiency and overall performance.

The Contractor is recommended to closely monitor the processes, including the chemical dosing system in the CAPCS, the desulphurisation process, and combustion of biogas in the ASP to rectify any abnormal operating conditions.

Odour Patrol

Odour patrol were conducted by representatives of the Contractor, the ER and Employer (EPD Project Team) on 1, 4, 8, 11, 13, 15, 18, 20, 22, 25, 27 and 29 March 2019. The Independent Odour Patrol Team, ALS Technichem (HK) Pty Ltd (ALS), has also joined the odour patrol on 1 March 2019. No Level 2 Odour Intensity was recorded during odour patrols.

Air samples were also collected at the CAPCS for olfactometry analysis at the laboratory on 10, 11, 19 and 27 December 2018 and 16 and 29 January 2019. The odour level of the samples collected on 10, 11, 19 and 27 December 2018 and 16 January 2019 have exceeded the odour limit. The cause of the exceedances recorded was due to the breakdown of the automatic chemical dosing system and the repairing time of the automatic chemical dosing system was longer than anticipated. The system was fixed and the odour concentration of the air sample taken on 29 January 2019 showed compliance with the odour limit.

An investigation of the cause of the exceedance has been carried out. The investigation report is shown in *Annex K*.

Water Quality

No non-compliance to the effluent discharge limit stipulated in the discharge licence issued by the EPD under the *Water Pollution Control Ordinance* was recorded during this reporting period.

Waste Management

Waste generated from the construction of the Project includes inert construction and demolition (C&D) materials (public fill) and non-inert C&D materials (construction wastes).

Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 390.11 tonnes of inert C&D material were generated from the construction of the Project.

Non-inert C&D materials (construction wastes) from the construction of this Project include metals, paper/ cardboard packaging waste, plastics and other wastes such as general refuse. 0.00 kg of metals, 0.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period. 23.53 tonnes of general refuse was disposed of at the landfill.

0.00 L of chemical waste was collected by licenced waste collector from the construction of the Project.

Waste generated from the operation of the Project includes chemical waste, waste generated from pre-treatment process and general refuse.

2,200 L of chemical waste was collected by licenced waste collector from the operation of the Project.

1,460.90 tonnes of waste generated from pre-treatment process from the operation of the Project was disposed of at landfill. Among the recyclable waste generated from pre-treatment process from the operation of the Project, 0.00 kg of metals, 0.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period.

Around 5.65 tonnes of general refuse from the operation of the Project was disposed of at landfill. Among the recycled general refuse from the operation of the Project, 0.00 kg of metals, 0.00 kg of papers/ cardboard packing and 390 kg of plastics were sent to recyclers for recycling during the reporting period.

Findings of Environmental Site Audit

A summary of the monitoring activities undertaken in this reporting period is listed below:

- Joint Environmental Site Inspections 11 times
- Landscape & Visual Inspections 6 times

Weekly joint environmental site inspections were carried out. The environmental control/ mitigation measures (related to air quality, water quality, waste (including land contamination prevention), hazard-to-life and landscape and visual) recommended in the approved EIA Report and the EM&A Manual were properly implemented by the Contractor during the reporting month.

Environmental Exceedance/Non-conformance/Compliant/Summons and Prosecution

Exceedances for the air emission limits for the CAPCS, CHP and ASP stacks were recorded during the reporting period.

No incident occurred during the reporting period.

No complaint/ summon/prosecution was received in this reporting period.

Future Key Issues

Activities to be undertaken in the next reporting month include:

- Operation of the Project.
- Contractor should resolve the technical issue related to the on-line monitoring of methane emission (hence the calculation of the NMVOC concentration) from the CHP stacks as soon as possible and undertake gas sampling every 10 days and laboratory analysis of NMVOC when the on-line monitoring equipment for methane is not available.
- Implementation of further measures to control the air emission from the CHP and ASP.
- Continue construction of the Visitor Centre.

1 INTRODUCTION

ERM-Hong Kong, Limited (ERM) was appointed by OSCAR Bioenergy Joint Venture (the Contractor) as the Environmental Team (ET) to undertake the construction Environmental Monitoring and Audit (EM&A) programme for the ***Contract No. EP/SP/61/10 of Organic Waste Treatment Facilities Phase I,*** which the project name has been updated to ***Organic Resources Recovery Centre (Phase I) (the Project)*** since November 2017. ERM was also appointed by the Contractor to undertake the operation EM&A programme starting 1 March 2019.

1.1 PURPOSE OF THE REPORT

This is the 48th EM&A report which summarises the monitoring results and audit findings for the EM&A programme during the reporting period from **1 March 2019** to **31 May 2019**.

1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

Section 1: Introduction
It details the scope and structure of the report.

Section 2: Project Information
It summarises the background and scope of the Project, site description, project organisation and status of the Environmental Permits (EP)/licences.

Section 3: Environmental Monitoring and Audit Requirements
It summarises the environmental monitoring requirements including monitoring parameters, programmes, methodologies, frequency, locations, Action and Limit Levels, Event/Action Plans, as well as environmental audit requirements as recommended in the EM&A Manual and approved EIA report.

Section 4: Monitoring Results
It summarises monitoring results of the reporting period.

Section 5: Site Audit
It summarises the audit findings of the environmental as well as landscape and visual site audits undertaken within the reporting period.

Section 6: Environmental Non-conformance
It summarises any exceedance of environmental performance standard, environmental complaints and summons received within the reporting period.

Section 7: Further Key Issues

It summarises the impact forecast for the next reporting month.

Section 8: Conclusions

2 PROJECT INFORMATION

2.1 BACKGROUND

The Organic Resources Recovery Centre (ORRC) Phase I development (hereinafter referred to as "the Project") is to design, construct and operate a biological treatment facility with a capacity of about 200 tonnes per day and convert source-separated organic waste from commercial and industrial sectors (mostly food waste) into compost and biogas through proven biological treatment technologies. The location of the Project site is shown in *Annex A*.

The environmental acceptability of the construction and operation of the Project had been confirmed by findings of the associated Environmental Impact Assessment (EIA) Study completed in 2009. The Director of Environmental Protection (DEP) approved this EIA Report under the *Environmental Impact Assessment Ordinance* (EIAO) (Cap. 499) in February 2010 (Register No.: AEIAR-149/2010) (hereafter referred to as the approved EIA Report). Subsequent Report on Re-assessment on Environmental Implications and Report on Re-assessment on Hazard to Life Implications were completed in 2013, respectively.

An Environmental Permit (EP) (No. EP-395/2010) was issued by the DEP to the EPD (Project Team), the Permit Holder, on 21 June 2010 and varied on 18 March 2013 (No. EP-395/2010/A) and 21 May 2013 (No. EP-395/2010/B), respectively. The Design Build and Operate Contract for the ORRC Phase 1 (Contract No. EP/SP/61/10 Organic Resources Recovery Centre (Phase 1) (the Contract)) was awarded to SITA Waste Services Limited, ATAL Engineering Limited and Ros-Roca, Sociedad Anonima jointly trading as the OSCAR Bioenergy Joint Venture (OSCAR or the Contractor). A Further EP (No. FEP-01/395/2010/B) was issued by the DEP to the OSCAR on 16 February 2015. Variation to both EPs (Nos. EP-395/2010/B and FEP-01/395/2010/B) were made in December 2015. The latest EPs, Nos. EP-395/2010/C and FEP-01/395/2010/C, were issued by the DEP on 21 December 2015.

Under the requirements of Condition 5 of the EP (No. FEP-01/395/2010/C), an Environmental Monitoring and Audit (EM&A) programme as set out in the approved EM&A Manual (hereinafter referred to as EM&A Manual) is required to be implemented during the construction and operation of the Project. ERM-Hong Kong, Ltd (ERM) has been appointed by OSCAR as the Environmental Team (ET) for the construction phase EM&A programme and the Monitoring Team (MT) for the operation phase EM&A programme for the implementation of the EM&A programme in accordance with the requirements of the EP and the approved EM&A Manual.

The construction works commenced on 21 May 2015. The operation phase of

the EM&A programme commenced on 1 March 2019 (1).

2.2 GENERAL SITE DESCRIPTION

The Project Site is located at Siu Ho Wan in North Lantau with an area of about 2 hectares. The layout of the Project Site is illustrated in *Annex A*. The facility received and treated an average of 100 tonnes of source separated organic waste per day during the reporting month.

2.3 MAJOR ACTIVITIES UNDERTAKEN

A summary of the major activities undertaken in the reporting period is shown in *Table 2.1*. The site layout plan is shown in *Annex B*. The construction programme is shown in *Annex C*.

Table 2.1 Summary of Activities Undertaken in the Reporting Period

Activities Undertaken in the Reporting Period
• Systems being operated – waste reception, pre-treatment, CAPCS extraction, the digesters, the centrifuge, , the composting tunnels the desulphurisation, the emergency flare, the CHPs, the ASP and the biological waste water treatment plant (about 100-130 t/d SSOW input); • Process fine-tune – adjustment of the ASP operational parameters with new treatment media, CEMS/SCADA modification and improvement work following equipment failures and the alteration of different operation modes and measures to adapt to the high variation of SSOW nature and sources; and • Construction of the Visitor Centre.

2.4 PROJECT ORGANISATION AND MANAGEMENT STRUCTURE

The project organisation chart and contact details are shown in *Annex D*.

2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the valid permits, licences, and/or notifications on environmental protection for this Project is presented in *Table 2.2*.

Table 2.2 Summary of Environmental Licensing, Notification and Permit Status

Permit/ Licences/ Notification	Reference	Validity Period	Remarks
Environmental Permit	FEP-01/395/2010/C	Throughout the Contract	Permit granted on 21 December 2015
Notification of Construction Works under the Air Pollution Control	Ref No. 386715	Throughout the Contract	-

(1) As some of the minor items are yet to be closed out in March 2019, the construction phase EM&A programme and Operation Phase EM&A programme were undertaking in parallel in March 2019.

Permit/ Licences/ Notification	Reference	Validity Period	Remarks
(Construction Dust) Regulation			
Effluent Discharge License	WT00024352-2016	3 June 2016 – 30 June 2021	Approved on 3 June 2016
Construction Noise Permit – P1&P2	GW-RW0538-18 (Superseded CNP GW-RW0229-18)	21 January 2019-20 July 2019	Approved on 31 December 2018
Construction Noise Permit – P5 (slope)	GW-RW0347-18 (superseded the GW-RW0107-18)	30 September 2018 – 29 March 2019	Approved on 15 August 2018
Chemical Waste Producer Registration	WPN 5213-961-O2231-01	Throughout the Contract	Approved on 29 April 2015
Chemical Waste Producer Registration	WPN 5213-961-O2231-02	Throughout the implementation of the Project	Approved on 10 November 2017
Waste Disposal Billing Account	Account number: 702310	Throughout the Contract	-

3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

3.1 ENVIRONMENTAL MONITORING

The air quality (including odour) monitoring to be carried out during the commissioning and operation phase of the Project are described below. No monitoring for noise, waste, land contamination, hazard-to-life and landscape and visual are required during construction and operation phases of the Project. Although water quality monitoring is not required for the construction and operation phases under the EM&A programme, there are water quality monitoring requirement under the Water Discharge Licence of the plant under the *Water Pollution Control Ordinance* (WPCO). As part of this EM&A programme, the monitoring results will be reviewed to check the compliance with the WPCO requirements.

3.1.1 Air Quality

According to the EM&A Manual and EP requirements, stack monitoring are required during the commissioning and operation phase of the Project.

On-line monitoring (using continuous environmental monitoring system (CEMS) shall be carried out for the centralised air pollution unit (CAPCS), cogeneration units (CHP) and the ammonia stripping plant (ASP) during the commissioning and operation phase. The calibration certificate for the on-line monitoring equipment is provided in *Annex E.*

The monitoring data is transmitted instantaneously to EPD (Regional Office) by telemetry system.

When the on-line monitoring for certain parameter cannot be undertaken, monitoring will be carried out using the following methodology approved by the EPD.

Table 3.1 Sampling and Laboratory Analysis Methodology

Parameters	Method	Stacks to be Monitored
Gaseous and vaporous organic substances (including methane)	USEPA Method 18	• CAPCS • CHP • ASP
Particulate	USEPA Method 5	• CAPCS • CHP • ASP
Carbon monoxide (CO)	USEPA Method 10	• CHP • ASP
Nitrogen oxides (NO_x)	USEPA Method 7E	• CHP • ASP
Sulphur dioxide (SO_2);	USEPA Method 6	• CHP • ASP

Parameters	Method	Stacks to be Monitored
Hydrogen chloride (HCl)	USEPA Method 26A	• CHP • ASP
Hydrogen fluoride (HF)	USEPA Method 26A	• CHP • ASP
Oxygen (O_2);	USEPA Method 3A	• CAPCS • CHP • ASP
Velocity and Volumetric Flow	USEPA Method 2	• CAPCS • CHP • ASP
Ammonia (NH_3)	USEPA CTM 027	• ASP
Odour (including NH_3 and H_2S)	EN 13725	• CAPCS
Water vapour content (continuous measurement of the water vapour content should not be required if the sample exhaust gas is dried before the emissions are analysed)	USEPA Method 4	• CAPCS • CHP • ASP
Temperature	USEPA Method 4	• CAPCS • CHP • ASP

With reference to the EM&A Manual, the air emission of the stacks shall meet the following emission limits as presented in *Tables 3.2* to *3.5*.

Table 3.2 Emission Limit for CAPCS Stack

Parameter	Emission Level (mg/Nm^3) [(a)]
VOCs (including methane)	680
Dust (or Total Suspended Particulates (TSP))	6
Odour (including NH_3 & H_2S)	220 [(b)]

Notes:
(a) Hourly average concentration
(b) The odour unit is OU/Nm^3

Table 3.3 Emission Limit for CHP Stack

Parameter	Maximum Emission Level (mg/Nm^3) [(a) (b)]
Dust (or Total Suspended Particulates)	15
Carbon Monoxide	650
NO_x	300
SO_2	50
NMVOCs [(c)]	150
VOCs (including methane) [(d)]	1,500
HCl	10
HF	1

Notes:
(a) All values refer to an oxygen content in the exhaust gas of 6% and dry basis.
(b) Hourly average concentration

Parameter	Maximum Emission Level (mg/Nm^3) [a] [b]
(c) Due to technical issue related to the monitoring range of the methane sensor, the monitoring of NMVOCs is conducted at agreed interval.	
(d) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.	

Table 3.4 Emission Limit for ASP Stack

Parameter	Maximum Emission Level (mg/Nm^3) [a] [b]
Dust (or Total Suspended Particulates)	5
Carbon Monoxide	100
NOx	200
SO_2	50
VOCs (including methane) [c]	20
NH_3	35
HCl	10
HF	1

Notes:
(a) All values refer to an oxygen content in the exhaust gas of 11% and dry basis.
(b) Hourly average concentration
(c) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.

Table 3.5 Emission Limit for Standby Flaring Gas Unit [1]

Parameter	Maximum Emission level (mg/Nm^3) [a] [b]
Dust (or Total Suspended Particulates)	5
Carbon Monoxide	100
NO_x	200
SO_2	50
VOCs (including methane) [c]	20
HCl	10
HF	1

Notes:
(a) All values refer to an oxygen content in the exhaust gas of 11% and dry basis.
(b) Hourly average concentration
(c) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.

3.1.2 Odour

To determine the effectiveness of the proposed odour mitigation measures and to ensure that the operation of the ORRC1 will not cause adverse odour impacts, odour monitoring of the CAPCS stack (see *Section 3.1.1*) and odour patrol will be carried out.

Odour patrol shall be conducted by independent trained personnel/ competent persons in summer months (i.e. from July to September) for the

(1) A standby facility. Only operate when the CHPs are not in operation or when the biogas generated exceeded the utilisation rate of the CHPs.

first two operational years of ORRC1 at monthly intervals along an odour patrol route at the Project Site boundary as shown in *Annex A*.

The perceived odour intensity is divided into 5 levels. *Table 3.6* describes the odour intensity for different levels.

Table 3.6 Odour Intensity Level

Level	Odour Intensity
0	Not detected. No odour perceived or an odour so weak that it cannot be easily characterised or described
1	Slight identifiable odour, and slight chance to have odour nuisance
2	Moderate identifiable odour, and moderate chance to have odour nuisance
3	Strong identifiable, likely to have odour nuisance
4	Extreme severe odour, and unacceptable odour level

Table 3.7 shows the action level and limit level to be used for odour patrol. Should any exceedance of the action and limit levels occurs, actions in accordance with the event and action plan in *Table 3.8* should be carried out.

Table 3.7 Action and Limit Levels for Odour Nuisance

Parameter	Action Level	Limit Level
Odour Nuisance (from odour patrol)	When one documented compliant is received [(a)], or Odour Intensity of 2 is measured from odour patrol.	Two or more documented complaints are received [(a)] within a week; or Odour intensity of 3 or above is measured from odour patrol.

Note:

(a) Once the complaint is received by the Project Proponent (EPD), the Project Proponent would investigate and verify the complaint whether it is related to the potential odour emission from the ORRC1 and its on-site wastewater treatment unit.

Table 3.8 Event and Action Plan for Odour Monitoring

Event	Action	
	Person-in-charge of Odour Monitoring	**Project Proponent** [(a)]
Action Level		
Exceedance of action level (Odour Patrol)	1. Identify source/reason of exceedance; 2. Repeat odour patrol to confirm finding.	1. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 weeks; 2. Rectify any unacceptable practice; 3. Implement more mitigation measures if necessary; 4. Inform Drainage Services Department (DSD) or the operator of the Siu Ho Wan Sewage Treatment Works (SHWSTW) if exceedance is considered to be caused by the operation of the SHWSTW. 5. Inform North Lantau Refuse Transfer Station (NLTS) operator if exceedance is considered to be caused by the operation of NLTS.
Exceedance of action level (Odour Complaints)	1. Identify source/reason of exceedance; 2. Carry out odour patrol to determinate odour intensity.	1. Carry out investigation and verify the complaint whether it is related to potential odour emission from the nearby SHWSTW; 2. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 weeks; 3. Rectify any unacceptable practice; 4. Implement more mitigation measures if necessary; 5. Inform DSD or the operator of the SHWSTW if exceedance is considered to be caused by the operation of the SHWSTW. 6. Inform NLTS operator if exceedance is considered to be caused by the operation of NLTS.
Limit Level		
Exceedance of limit level	1. Identify source/reason of exceedance; 2. Inform EPD; 3. Repeat odour patrol to confirm findings; 4. Increase odour patrol frequency to bi-weekly; 5. Assess effectiveness of remedial action and keep EPD informed of the results; 6. If exceedance stops, cease additional odour patrol.	1. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 week; 2. Rectify any unacceptable practice; 3. Formulate remedial actions; 4. Ensure remedial actions properly implemented; 5. If exceedance continues, consider what more/enhanced mitigation measures should be implemented; 6. Inform DSD or the operator of the SHWSTW if exceedance is considered to be caused by the operation of the SHWSTW.

Note:

(a) Project Proponent shall identify an implementation agent.

3.2 SITE AUDIT

Environmental mitigation measures (related to air quality, water quality, waste, land contamination, hazard-to-life, and landscape and visual) to be implemented during the construction and operation phase of the Project are recommended in the approved EIA Report and EM&A Manual and are summarised in *Annex F*. Weekly site audits for construction phase and monthly site audits for operation phase will be carried out to check the implementation of these measures.

3.2.1 Water Quality

Compliance audits are to be undertaken to ensure that a valid discharge licence has been issued by EPD prior to the discharge of effluent from the operation of the Project site. The audit shall be conducted to ensure that the effluent quality is in compliance with the discharge licence requirements. The effluent quality shall meet the discharge limits as described in *Table 3.9*.

Table 3.9 Discharge Limits for Effluent

Parameters	Discharge Limit (mg/L)
Flow Rate (m^3/day)	685
pH (pH units)	6-10 (a)
Suspended Solids	800
Biochemical Oxygen Demand (5 days, 20°)	800
Chemical Oxygen Demand	2,000
Oil & Grease	40
Total Nitrogen	200
Total Phosphorus	50
Surfactants (total)	25

Note:
(a) Range.

3.2.2 Landscape and Visual

In accordance with EM&A Manual, the landscape and visual mitigation measures shall be implemented. Bi-weekly landscape and visual audit during the construction phase is required to ensure that the design, implementation and maintenance of landscape and visual mitigation measures recommended in the approved EIA Report are fully achieved. The implementation status of the mitigation measures for construction phase is summarised in *Annex F*.

For operation phase, site inspection shall be conducted once a month for the first year of operation of the Project. All measures as stated in the implementation schedule of the EM&A Manual (see *Annex F*), including compensatory planting, undertaken by both the Contractor and the specialist Landscape Sub-Contractor during the first year of the operation phase shall be audited by a Registered Landscape Architect (RLA) to ensure compliance with

the intended aims of the measures and the effectiveness of the mitigation measures.

4 MONITORING RESULTS

4.1 AIR QUALITY

4.1.1 Commissioning Phase Monitoring

On 10, 11, 19 and 27 December 2018 and 16 and 29 January 2019, air samples were collected from the outlet of the CAPCS by ALS for measurement of the Odour Intensity by olfactometry analysis at the laboratory. The odour level of the odour samples collected from the CAPCS on 10, 11, 19 and 27 December 2018 and 16 January 2019 have exceeded the odour limit as shown in *Table 3.2*. No exceedance was found for the samples collected on 29 January 2019. The laboratory results are shown in *Annex J*. The cause of the exceedances recorded was due to the breakdown of the automatic chemical dosing system and the repairing of the automatic chemical dosing system was longer than anticipated. The system was fixed and the odour concentration of the air sample taken on 29 January 2019 showed compliance with the odour limit.

Investigation of the exceedances has been conducted. The investigation report is shown in *Annex K*.

Monitoring results of air quality parameters from stack emissions of the centralised air pollution control system, the ammonia stripping plant and the cogeneration units will be provided once available to show compliance with the monitoring requirements stated in the EM&A Manual (Rev. E) to support the termination of the construction phase EM&A programme.

4.1.2 Operation Phase Monitoring

The concentrations of concerned air pollutants emitted from the stacks of the CAPCS, CHP, and ASP during the reporting period are monitored on-line by the continuous environmental monitoring system (CEMS). During the reporting period, there is no need to operate the standby flare and therefore no monitoring of the flare stack was undertaken.

With reference to the emission limits shown in *Tables 3.2, 3.3* and *3.4*, the hourly average concentrations and the number of exceedances of the concerned air emissions monitored for the CAPCS, CHP and ASP during this reporting period are presented in *Tables 4.1* to *4.5*.

It should be noted that measurements recorded under abnormal operating conditions, e.g. start up and stopping of stacks, unstable operation, test runs and interference of sensor, are disregarded.

Table 4.1 Hourly Average of Parameters Recorded for CAPCS

Parameter	Range of Hourly Average Conc. (mg/Nm³)	Emission Limit (mg/Nm³)	Exceedance Identified	Remarks
VOCs (including methane) (a)	0 – 680	680	Nil	Nil
Dust (or TSP)	0 - 2	6	Nil	Nil
Odour (including NH_3 & H_2S) (b)	0 – 3,229	220	Identified (c)	The chemical dosing system of the CAPCS was under optimisation. Manual dosing of the chemical to the system was arranged. The defect was rectified on 10 April 2019. Alkaline dosing system was under urgent maintenance on 25 April 2019.

Notes:

(a) One-line monitoring of VOCs (including methane) was not available during March and April 2019. Mini RAE PID meter that complies with the USEPA method 21 was used to measure VOCs.

(b) The odour unit is OU/Nm³.

(c) Dates with exceedance on Odour (number of exceedances on the day) were identified on 2 2 (2), 8 (1), 9 (1) 10 (11), 11 (5), 12 (15), 13 (24), 14 (24), 15 (22), 16 (21), 17 (24), 18 (22), 19 (24), 20 (17), 21 (19), 22 (12), 25 (5), 27 (2), 28 (1), 29 (10), 30 (4) and 31 (2) March 2019 and 3 (1), 4 (2), 5 (16), 6 (6), 8 (1), 9 (2) and 25 (1) April 2019.

Table 4.2 Hourly Average of Parameters Recorded for CHP 1

Parameter	Range of Hourly Average Conc. (mg/Nm³) (a)	Max. Emission Limit (mg/Nm³)	Exceedance Identified	Remarks
Dust (or TSP)	0 – 4	15	Nil	Nil
Carbon Monoxide	0 – 602	650	Nil	Nil
NO_x	0 – 350	300	Identified (d)	CHP setting was fine-tuned for performance optimisation. Continuous re-adjustment for NO_x control of CHP has been carried out.
SO_2	0 – 123	50	Identified (e)	Tripping of the desulphurisation column. Continuous monitoring to reduce the duration of tripping.
NMVOCs (b)	5 - 8	150	Nil	See *Annex G* for laboratory results
VOCs (including methane) (c)	0 – 1,090	1,500	Nil	See *Annex G* for laboratory results
HCl	0 – 2	10	Nil	Nil
HF	0 – 0.4	1	Nil	Nil

Notes:

Parameter	Range of Hourly Average Conc. (mg/Nm³) [a]	Max. Emission Limit (mg/Nm³)	Exceedance Identified	Remarks

(a) All values refer to an oxygen content in the exhaust gas of 6% and dry basis.
(b) Technical issue related to monitoring range of methane sensors and the Contractor is solving the problem together with the equipment suppliers.
(c) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.
(d) Dates with exceedances on NO_x (number of exceedances on the day) were identified on 14 (1), 21 (3), 22 (3), 23 (3), 27 (1) and 29 (1) April 2019 and 20 (1), 21 (1), 27 (9), 29 (4) and 30 (2) May 2019.
(e) Dates with exceedances on SO_2 (number of exceedances on the day) were identified on 11 (3), 15 (1), 16 (2), 28 (5), 29 (1) and 31 (5) March 2019, 8 (2), 10 (2), 11 (2), 12 (1), 14 (2), 15 (2), 18 (2), 19 (10), 20 (1), 23 (1), 24 (1), 26 (1), 29 (6) April 2019 and 1 (1), 3 (1), 11 (2), 12 (7), 16 (4), 18 (3), 21 (2) and 22 (3) May 2019.

Table 4.3 Hourly Average of Parameters Recorded for CHP 2

Parameter	Range of Hourly Average Conc. (mg/Nm³) [a] [b]	Max. Emission Limit (mg/Nm³)	Exceedance Identified	Remarks
Dust (or TSP)	0 – 8	15	Nil	Nil
Carbon Monoxide	0 – 358	650	Nil	Nil
NO_x	0 – 628	300	Identified [d]	CHP setting was fine-tuned for performance optimisation. Continuous re-adjustment for NO_x control of CHP has been carried out.
SO_2	0 – 105	50	Identified [e]	Tripping of the desulphurisation column. Continuous monitoring to reduce the duration of tripping.
NMVOCs [b]	Not Available	150	Nil	Nil
VOCs (including methane) [c]	0 – 1,281	1,500	Nil	Nil
HCl	0 – 3	10	Nil	Nil
HF	0 –1	1	Nil	Nil

Notes:
(a) All values refer to an oxygen content in the exhaust gas of 6% and dry basis.
(b) Technical issue related to monitoring range of methane sensors and the Contractor is solving the problem together with the equipment suppliers.
(c) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.
(d) Dates with exceedances on NO_x (number of exceedances on the day) were identified on 7 (4), 10 (1), 13 (3), 16 (1), 17 (2), 19 (2), 22 (3), 23 (1) and 28 (1) April 2019 and 1 (1), 15 (1), 16 (1), 20 (2), 21 (13) and 27 (9) May 2019.
(e) Dates with exceedances on SO_2 (number of exceedances on the day) were identified on 1 (4), 2 (1), 3 (2), 4 (1), 5 (6), 6 (2), 9 (4), 12 (2), 13 (1), 14 (1), 16 (1), 17 (1), 18 (2), 19 (4), 20 (3), 23 (5), 25 (3) and 26 (4) March 2019, 16 (2), 1 (1), 13 (3), 16 (5), 19 (5), 20 (1), 22 (2), 25 (2), 27

Parameter	Range of Hourly Average Conc. (mg/Nm³) [a] [b]	Max. Emission Limit (mg/Nm³)	Exceedance Identified	Remarks
(2), 28 (2), 29 (1) and 30 (5) April 2019 and 20 (3) and 21 (2) May 2019.				

Table 4.4 Hourly Average of Parameters Recorded for CHP 3

Parameter	Range of Hourly Average Conc. (mg/Nm³) [a]	Max. Emission Limit (mg/Nm³)	Exceedances Identified	Remarks
Dust (or TSP)	0 – 12	15	Nil	Nil
Carbon Monoxide	0 – 351	650	Nil	Nil
NO_x	0 – 409	300	Identified [d]	CHP setting was fine-tuned for performance optimisation. Continuous re-adjustment for NOx control of CHP has been carried out.
SO_2	0 – 129	50	Identified [e]	Tripping of the desulphurisation column. Continuous monitoring to reduce the duration of tripping.
NMVOCs [b]	5.2	150	Nil	See *Annex G* for laboratory results
VOCs (including methane) [c]	288 – 1,291	1,500	Nil	Nil
HCl	0 – 1	10	Nil	Nil
HF	0 – 1	1	Nil	Nil

Notes:

(a) All values refer to an oxygen content in the exhaust gas of 6% and dry basis.

(b) Technical issue related to monitoring range of methane sensors and the Contractor is solving the problem together with the equipment suppliers.

(c) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.

(d) Dates with exceedances on NO_x (number of exceedances on the day) were identified on 5 (1), 12 (1) and 13 (1) April 2019.

(e) Dates with exceedances on SO_x (number of exceedances on the day) were identified on 10 (2), 13 (2), 14 (1), 15 (1), 27 (2), 29 (3) and 30 (1) March 2019 and 3 (1) April 2019.

Table 4.5 Hourly Average of Parameters Recorded for ASP

Parameter	Range of Hourly Average Conc. (mg/Nm^3) [a]	Max. Emission Limit (mg/Nm³)	Exceedances Identified	Remarks
Dust (or TSP)	0 – 6	5	Identified [c]	Ongoing optimisation of ASP combustion efficiency has been carried out.

Parameter	Range of Hourly Average Conc. (mg/Nm^3) [(a)]	Max. Emission Limit (mg/Nm^3)	Exceedances Identified	Remarks
Carbon Monoxide	0 – 655	100	Identified [(d)]	ASP tripped and stopped. Ongoing optimisation of ASP combustion efficiency has been carried out.
NOx	0 – 519	200	Identified [(e)]	ASP tripped and stopped. Ongoing optimisation of ASP combustion efficiency has been carried out.
SO_2	0 – 102	50	Identified [(f)]	ASP tripped and stopped. Ongoing optimisation of ASP combustion efficiency has been carried out.
VOCs (including methane) [(b)]	0 – 3,370	20	Identified [(g)]	ASP tripped and stopped. Ongoing optimisation of ASP combustion efficiency has been carried out.
NH_3	0 – 2,772	35	Identified [(h)]	ASP tripped and stopped. Ongoing optimisation of ASP combustion efficiency has been carried out.
HCl	0 – 4	10	Nil	Nil
HF	0 – 1.5	1	Identified [(i)]	ASP tripped and stopped. Ongoing optimisation of ASP combustion efficiency has been carried out.

Notes:

(a) All values refer to an oxygen content in the exhaust gas of 11% and dry basis.

(b) The VOCs emission limit include methane as biogas is adopted as fuel in the combustion process.

(c) 1 exceedance on Dust was identified on 8 May 2019.

(d) Dates with exceedances on CO (number of exceedances on the day) were identified on 21 (1), 23 (2), 24 (1), 25 (5), 26 (1) and 29 (1) April 2019 and 9 (1), 17 (2) and 22 (1) May 2019.

(e) Dates with exceedances on NO_x (number of exceedances on the day) were identified on 6 (1), 7 (1), 8 (2), 18 (3), 19 (2), 22 (2), 23 (4), 24 (5) and 26 (3) April 2019 and 2 (1), 5 (5), 6 (4), 8 (5), 9 (3), 11 (6), 12 (12), 13 (7), 14 (12), 15 (8), 17 (8), 18 (5), 19 (6), 20 (6), 22 (8), 24 (1), 25 (1) and 28 (1) May 2019.

(f) Dates with exceedances on SO2 (number of exceedances on the day) were identified on 10 (2), 13 (2), 14 (1), 15 (1), 27 (2), 29 (3) and 30 (1) March 2019, 18 (1), 29 (6) and 30 (6) April 2019 and 17 (1) May 2019.

(g) Dates with exceedances on VOCs (including methane) (number of exceedances on the day) were identified on 8 (1), 23 (2), 24 (1), 26 (3) April 2019, 8 (1), 9 (2), 15 (1), 17 (4), 18 (1), 19 (4) and 20 (2) May 2019.

(h) Dates with exceedances on NH_3 (number of exceedances on the day) were identified on 1 (10), 2 (6), 3 (1), 8 (1), 19 (1), 20 (1), 21 (2), 22 (2), 23 (7), 24 (10), 25 (7), 26 (13), 27 (5), 29 (5) and 30 (4) April 2019 and 1 (2), 2 (3), 3 (8), 4 (6), 5 (2), 6 (2), 7 (6), 8 (6), 9 (15), 10 (5), 11 (8), 12 (9), 13 (1), 14 (3), 15 (2), 17 (9), 18 (5), 19 (12), 20 (7), 22 (9), 23 (1), 24 (2), 30 (6) and 31 (7) May 2019.

(i) Dates with exceedances on HF (number of exceedances on the day) were identified on 17 (1) and 20 (1) May 2019.

4.2 ODOUR

4.2.1 Commissioning Phase Monitoring

Odour patrols were conducted by representatives of the Contractor, the ER and Employer (EPD Project Team) on 1, 4, 8, 11, 13, 15, 18, 20, 22, 25, 27 and 29 March 2019. The Independent Odour Patrol Team, ALS Technichem (HK) Pty Ltd (ALS), has also joined the odour patrol on 1 March 2019. According to the EM&A Manual and EP requirements, it is considered an exceedance if the odour intensity recorded by the panellists is Level 2 or above. During this reporting period, no Level 2 Odour Intensity was recorded. The odour patrol results are shown in *Annex J*.

4.2.2 Operation Phase Monitoring

No odour patrol was required to be conducted for this reporting period.

4.3 WATER QUALITY

4.3.1 Construction Phase Monitoring

No effluent was discharged from the construction activity in the reporting month, hence it was not necessary to carry out effluent discharge sampling for this reporting period.

4.3.2 Operation Phase Monitoring

Effluent discharge was sampled monthly from the Effluent Storage Tank as stipulated in the operation phase discharge licence. The results of the discharge sample is recorded in *Table 4.6* to *4.8*.

Table 4.6 Results of the Discharge Sample Collected on 25 March 2019

Parameters	Discharged Effluent Concentration (mg/L)	Discharge Limit (mg/L)	Compliance with Discharge Limit
pH (pH units)	6.12 - 8.47	6-10 (a)	Yes
Suspended Solids	34	800	Yes
Biochemical Oxygen Demand (5 days, 20°)	35	800	Yes
Chemical Oxygen Demand	888	2,000	Yes
Oil & Grease	<5	40	Yes
Total Nitrogen	76.5	200	Yes
Total Phosphorus	25.1	50	Yes
Surfactants (total)	<1.0	25	Yes

Notes:
(a) Daily Average.

Table 4.7 Results of the Discharge Sample Collected on 1 April 2019

Parameters	Discharged Effluent Concentration (mg/L)	Discharge Limit (mg/L)	Compliance with Discharge Limit
pH (pH units)	7.40 - 7.91	6-10 (a)	Yes
Suspended Solids	37	800	Yes
Biochemical Oxygen Demand (5 days, 20°)	47	800	Yes
Chemical Oxygen Demand	683	2,000	Yes
Oil & Grease	<5	40	Yes
Total Nitrogen	59	200	Yes
Total Phosphorus	27	50	Yes
Surfactants (total)	<1.0	25	Yes

Notes:
(a) Daily Average.

Table 4.8 Results of the Discharge Sample on 6 May 2019

Parameters	Discharged Effluent Concentration (mg/L)	Discharge Limit (mg/L)	Compliance with Discharge Limit
pH (pH units)	7.50 – 8.50	6-10 (a)	Yes
Suspended Solids	115	800	Yes
Biochemical Oxygen Demand (5 days, 20°)	55	800	Yes
Chemical Oxygen Demand	706	2,000	Yes
Oil & Grease	<5	40	Yes
Total Nitrogen	94	200	Yes
Total Phosphorus	36.5	50	Yes
Surfactants (total)	<1.0	25	Yes

Notes:
(a) Daily Average.

No exceedance of discharge limit was recorded during the reporting period.

4.4 WASTE MANAGEMENT

4.4.1 Construction Phase Monitoring

Wastes generated from this Project include inert construction and demolition (C&D) materials (public fill) and non-inert C&D materials (construction waste). Construction waste comprises general refuse, metals and paper/cardboard packaging materials. Metals generated from the construction of the Project are also grouped into construction waste as the materials were not disposed of with others at public fill. Reference has been made to the Monthly Summary Waste Flow Table prepared by the Contractor (see *Annex H*). With reference to the relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in *Table 4.9*.

Table 4.9 Quantities of Waste Generated from the Construction of the Project

Month / Year	Quantity			
	Total Inert C&D Materials Generated [a]	Non-inert C&D Materials [b]		
		C&D Materials Recycled [c]	C&D Waste Disposed of at Landfill [d]	Chemical Waste
March 2019	190.40 tonnes	0.00 kg	16.45 tonnes	0.00 L
April 2019	199.71 tonnes	0.00 kg	2.92 tonnes	0.00 L
May 2019	0.00 tonnes	0.00 kg	4.16 tonnes	0.00 L

Notes:

(a) Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 390.11 tonnes of inert C&D material were generated from the Project. The detailed waste flow is presented in *Annex H*.

(b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.

(c) 0.00 kg of metals, 0.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period.

(d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at NENT Landfill by subcontractors.

4.4.2 Operation Phase Monitoring

Wastes generated from the operation of the Project include chemical waste, wastes generated from pre-treatment process and general refuse [(1)]. Reference has been made to the Monthly Summary Waste Flow Table prepared by the Contractor (see *Annex H*). With reference to the relevant handling records and trip tickets of this Project, the quantities of different types of waste generated from the operation of the Project in the reporting month are summarised in *Table 4.10*.

(1) Public fill and construction waste may only be generated during maintenance works when there are civil or structural works.

Table 4.10 Quantities of Waste Generated from the Operation of the Project

Month / Year	Chemical Waste	Waste Generated from Pre-treatment Process		General Refuse	
	Disposal of at CWTC	Disposed of at Landfill [(a)]	Recycled [(b)]	Disposed of at Landfill [(a)] [(d)]	Recycled [(c)]
March 2019	1,200 L	477.08 tonnes	0.00 tonnes	1.50 tonnes	0.00 kg
April 2019	0 L	455.60 tonnes	0.00 tonnes	1.27 tonnes	0.00 kg
May 2019	1,000 L	528.22 tonnes	0.00 tonnes	2.88 tonnes	390 kg

Notes:

(a) Waste generated from pre-treatment process and general refuse other than chemical waste and recyclables were disposed of at NENT landfill by sub-contractors.

(b) Among waste generated from pre-treatment process, 0.00 kg of metals, 0.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period.

(c) Among general refuse, 0.00 kg of metals, 0.00 kg of papers/ cardboard packing and 390 kg of plastics were sent to recyclers for recycling during the reporting period.

(d) It was assumed that four 240-litre bins filled with 80% of general refuse were collected at each collection. The general refuse density was assumed to be around 0.15 kg/L.

5 SITE AUDIT

5.1 ENVIRONMENTAL SITE AUDIT

5.1.1 Construction Phase

Ten construction phase site inspections were conducted during the reporting period. The inspections checked the implementation of the recommended mitigation measures for air quality, landscape and visual, water quality, waste (land contamination) and hazard-to-life stated in the Implementation Schedule (see *Annex F*).

Follow-up actions resulting from site inspections were generally taken as reported by the Contractor. The Contractor has implemented environmental mitigation measures recommended in the approved EIA Report and EM&A Manual.

March 2019

Joint site inspections were conducted by representatives of the Contractor and the ET on 8, 15, 22 and 28 March 2019 as required for the construction of the Project. The IEC was present at the joint inspection on 22 March 2019.

April 2019

Joint site inspections were conducted by representatives of the Contractor and the ET on 26 and 30 April 2019 as required for the construction of the Project. The IEC was present at the joint inspection on 30 April 2019.

May 2019

Joint site inspections were conducted by representatives of the Contractor and the ET on 7, 17, 24 and 31 May 2019 as required for the construction of the Project. The IEC was present at the joint inspection on 31 May 2019.

5.1.2 Operation Phase

The monthly inspections of the landscape and visual mitigation measures for the operation phase of the Project covered the operation phase environmental site inspections. The inspections checked the implementation of the recommended mitigation measures for air quality, landscape and visual, water quality, waste (land contamination) and hazard-to-life stated in the Implementation Schedule (see *Annex F*).

Follow-up actions resulting from the site inspections were generally taken as reported by the Contractor. The Contractor has implemented environmental mitigation measures recommended in the approved EIA Report and EM&A Manual.

March 2019

The monthly inspection of the landscape and visual mitigation measures for the operation phase of the Project on 22 March 2019 covered the operation phase environmental site audit. Joint site inspections was conducted by representatives of the Contractor, IEC and the MT on 22 March 2019 as

required for the operation of the Project.

April 2019

The monthly inspection of the landscape and visual mitigation measures for the operation phase of the Project on 25 April 2019 covered the operation phase environmental site audit. Joint site inspections was conducted by representatives of the Contractor, IEC and the MT on 25 April 2019 as required for the operation of the Project.

May 2019

The monthly inspection of the landscape and visual mitigation measures for the operation phase of the Project on 31 May 2019 covered the operation phase environmental site audit. Joint site inspections was conducted by representatives of the Contractor, IEC and the MT on 31 May 2019 as required for the operation of the Project.

5.2 *LANDSCAPE AND VISUAL AUDIT*

It was confirmed that the necessary landscape and visual mitigation measures during the construction and operation phase as summarised in *Annex F* were generally implemented by the Contractor. No non-compliance in relation to the landscape and visual mitigation measures was identified during the site audits in this reporting period and therefore no further actions are required. The ET/MT will keep track of the EM&A programme to check compliance with environmental requirements and the proper implementation of all necessary mitigation measures.

March 2019

Bi-weekly inspections of the landscape and visual mitigation measures for the construction phase of the Project were performed on 8 and 22 March 2019. The inspection on 22 March 2019 also covered the monthly inspection of the landscape and visual mitigation measures for the operation phase of the Project.

April 2019

Inspection of the landscape and visual mitigation measures for the construction phase of the Project was performed on 30 April 2019. Inspection of the landscape and visual mitigation measures for the operation phase of the Project was performed on 25 April 2019.

May 2019

Inspection of the landscape and visual mitigation measures for the construction phase of the Project was performed on 17 and 31 May 2019. Inspection of the landscape and visual mitigation measures for the operation phase of the Project was performed on 31 May 2019.

6 ENVIRONMENTAL NON-CONFORMANCE

6.1 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

March 2019

Non-compliance of emission limits for CAPCS, CHP and ASP were recorded during the reporting period.

The Contractor has reviewed the organic waste treatment processes (i.e. waste reception, waste pre-treatment, anaerobic digesters, and composting processes) and found that they were operated normally during the reporting period. The Contractor has investigated air pollution control systems of the CAPCS, CHP and ASP and the combustion system for the CHP and the ASP and identified several potential causes for the exceedance. Remedial and follow-up actions had been completed by the Contractor. The Investigation Report is show in *Annex K*.

April 2019

Non-compliance of emission limits for CAPCS, CHP and ASP were recorded during the reporting period.

The Contractor has reviewed the organic waste treatment processes (i.e. waste reception, waste pre-treatment, anaerobic digesters, and composting processes) and found that they were operated normally during the reporting period. The Contractor has investigated air pollution control systems of the CAPCS, CHP and ASP and the combustion system for the CHP and the ASP and identified several potential causes for the exceedance. Remedial and follow-up actions had been completed by the Contractor. The Investigation Report is show in *Annex K*.

May 2019

Non-compliance of emission limits for CHP and ASP were recorded during the reporting period.

The Contractor has reviewed the organic waste treatment processes (i.e. waste reception, waste pre-treatment, anaerobic digesters, and composting processes) and found that they were operated normally during the reporting period. The Contractor has investigated air pollution control system and the combustion system of the CHP and ASP and identified several potential causes for the exceedance. Remedial and follow-up actions had been completed by the Contractor. The Investigation Report is show in *Annex K*.

6.2 SUMMARY OF ENVIRONMENTAL COMPLAINT

No complaint was received during the reporting period.

6.3 SUMMARY OF ENVIRONMENTAL SUMMON AND SUCCESSFUL PROSECUTION

No summon/prosecution was received during the reporting period. The cumulative summons/prosecution log is shown in *Annex I*.

7 FUTURE KEY ISSUES

7.1 KEY ISSUES FOR THE COMING MONTH

Activities to be undertaken for the coming reporting period are:

- Operation of the Project.
- Contractor should resolve the technical issue related to the on-line monitoring of methane emission (hence the calculation of the NMVOC concentration) from the CHP stacks as soon as possible and undertake gas sampling and laboratory analysis of NMVOC at agreed interval when the on-line monitoring equipment for methane is not available.
- Implementation of measures to further rectify the abnormal operating conditions for the CHP and ASP.
- Continue construction of the Visitor Centre.

This EM&A Report presents the EM&A programme undertaken during the reporting period from **1 March 2019** to **31 May 2019** in accordance with EM&A Manual (Version E) and requirements of EP (FEP-01/395/2010/C).

No air quality, noise and water quality monitoring is required under the construction and commissioning EM&A requirements.

For the operation phase, exceedances of the emission limits for stack monitoring (including CAPCS, CHP and ASP stacks) were recorded under normal operating conditions during the reporting period (see *Table 8.1*).

Table 8.1 Exceedances for Stack Emissions

Stack	Exceedances During the Reporting Period
Centralised Air Pollution Control Unit (CAPCS)	• Exceeded emission limit of Odour on 2, 8 to 22, 25 and 27 to 31 March 2019 March 2019 and 3 to 6, 8 to 9 and 25 April 2019
Cogeneration Unit (CHP)	• Exceeded emission limit of NO_x on 5, 7, 10, 12 to 14, 16 to 17, 19, 21 to 23 and 27 to 29 April 2019 and 1, 15, 26, 20, 21, 27, 29 and 30 May 2019 • Exceeded emission limit of SO_2 on 1 to 6, 9 to 20, 23 and 25 to 31 March 2019, 1, 8, 10 to 12, 14 to 16, 18 to 20 and 22 to 30 April 2019 and 1, 3, 11, 12, 16, 18 and 20 to 22 May 2019
Ammonia Stripping Plant (ASP)	• Exceeded emission limit of Dust on 8 May 2019 • Exceeded emission limit of CO on 12, 13, 16 to 22, 24 to 27 and 29 March 2019, 21, 23 to 26 and 29 April 2019 and 9, 17 and 22 May 2019 • Exceeded emission limit of NO_x on 11 to 14, 17 to 20, 22, 24, 24 27 to 29 and 31 March 2019, 6 to 8, 18 to 19, 22 to 24 and 26 April 2019 and 2, 5, 6, 8, 9, 11 to 15, 17 to 20, 22, 24, 25 and 28 May 2019 • Exceeded emission limit of SO_2 on 9, 14, 16, 19, 20, 24 to 26, 28, 29 and 31 March 2019, on 18 and 29 to 30 April 2019 and 17 May 2019 • Exceeded emission limit of VOCs on 16, 18, 19 to 22, 24 to 26, 28 and 29 March 2019, 8, 23 to 24 and 26 April 2019 and 8, 9, 15 and 17 to 20 May 2019 • Exceeded emission limit of NH_3 on 9 to 22, 24 to 26, 28 and 29 March 2019, 1 to 3, 8, 19 to 27 and 29 to 30 April 2019 and 1 to 15, 17 to 20, 22 to 24, 30 and 31 May 2019 • Exceeded emission limit of HF on 17 and 20 May 2019

Exceedances in emission parameters of CAPCS, CHP and ASP were found to be a result of problems with the chemical dosing system of the air pollution control systems of the CAPCS, incomplete desulphurisation of biogas which fed to the CHPs, and the incomplete thermal combustion of the thermal combustion unit of the ASP.

The Contractor has implemented mitigation measures to control the exceedance (including the arrangement of supplier of the dosing system for the CAPCS to repair the dosing system and manual dosing of chemical to the CAPCS until the problems of the automatic dosing system is fixed; adding additional activated carbon filters to the biogas desulphurisation system to control the H_2S level in the biogas which fed to the CHP and the ASP; and tuning the thermal combustion unit of the ASP to optimise combustion efficiency and overall performance).

Odour patrols and monitoring were conducted in accordance to the EM&A requirements. No exceedance of odour intensity limit for all odour patrol events. Air samples were collected at the CAPCS for olfactometry analysis at the laboratory on 10, 11, 19 and 27 December 2018 and 16 and 29 January 2019. The odour level of the samples collected on 10, 11, 19 and 27 December 2018 and 16 January 2019 have exceeded the odour limit. An investigation of the cause of the exceedance has been carried out. The investigation report is shown in *Annex K*.

No non-compliance to the effluent discharge limit was recorded during this reporting period.

The environmental control /mitigation measures related to air quality, water quality, waste (including land contamination prevention), hazard-to-life and landscape and visual recommended in the approved EIA Report and the EM&A Manual were properly implemented by the Contractor during the reporting month.

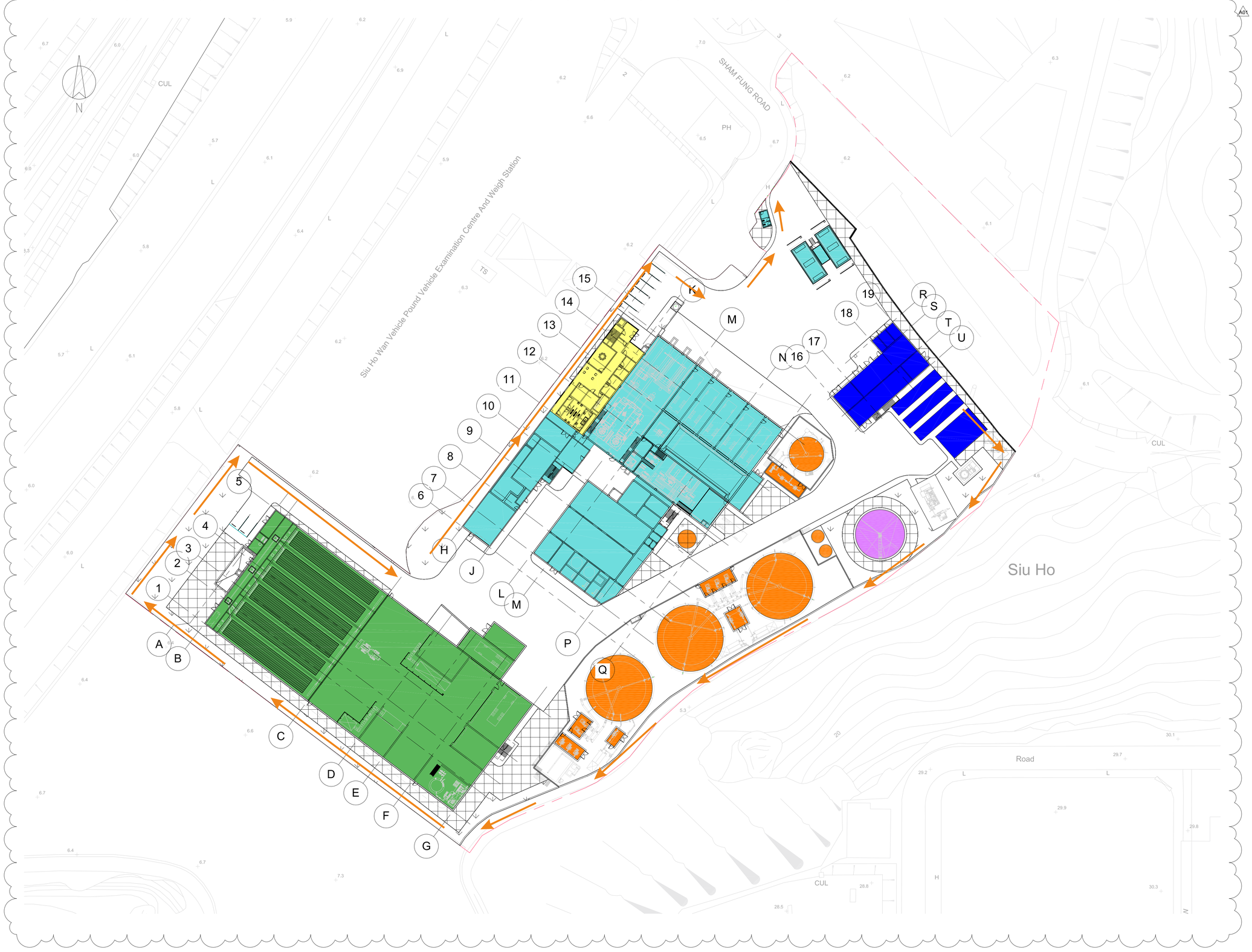
Bi-weekly landscape and visual monitoring were conducted in the reporting period. The necessary landscape and visual mitigation measures recommended in the approved EIA Report were generally implemented by the Contractor.

No incident occurred during reporting period.

No complaint/summon/prosecution was received.

Annex A

Project Layout



Key

Patrol Route

REV	DATE	BY	APP	DESCRIPTION
A01	05/03/15	CW	MB	IMTECH BACKGROUNDS UPDATED
A00	18/02/15	CW	MB	DRAFT ISSUE

CLIENT

ENVIRONMENTAL PROTECTION DEPARTMENT
GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT

AECOM ASIA CO. LTD.

CONTRACTOR

OSCAR BIOENERGY JV

LEAD DESIGNER

ARUP
Ove Arup & Partners Hong Kong Limited

ENVIRONMENTAL TEAM

ERM HONG KONG LIMITED

INDEPENDENT CONSULTANTS

Meinhardt Infrastructure and Environment Limited
邁進基建環保工程顧問有限公司

PROJECT

ORGANIC WASTE TREATMENT FACILITIES
PHASE 1
EP/SP/61/10

STATUS

DRAFT ISSUE

DRAWING TITLE

SITE LAYOUT

DRAWN	CHECKED	APPROVED
CW	RS	DP

SCALE	DATE
1:500@A1 / 1:1000@A3	12/02/15

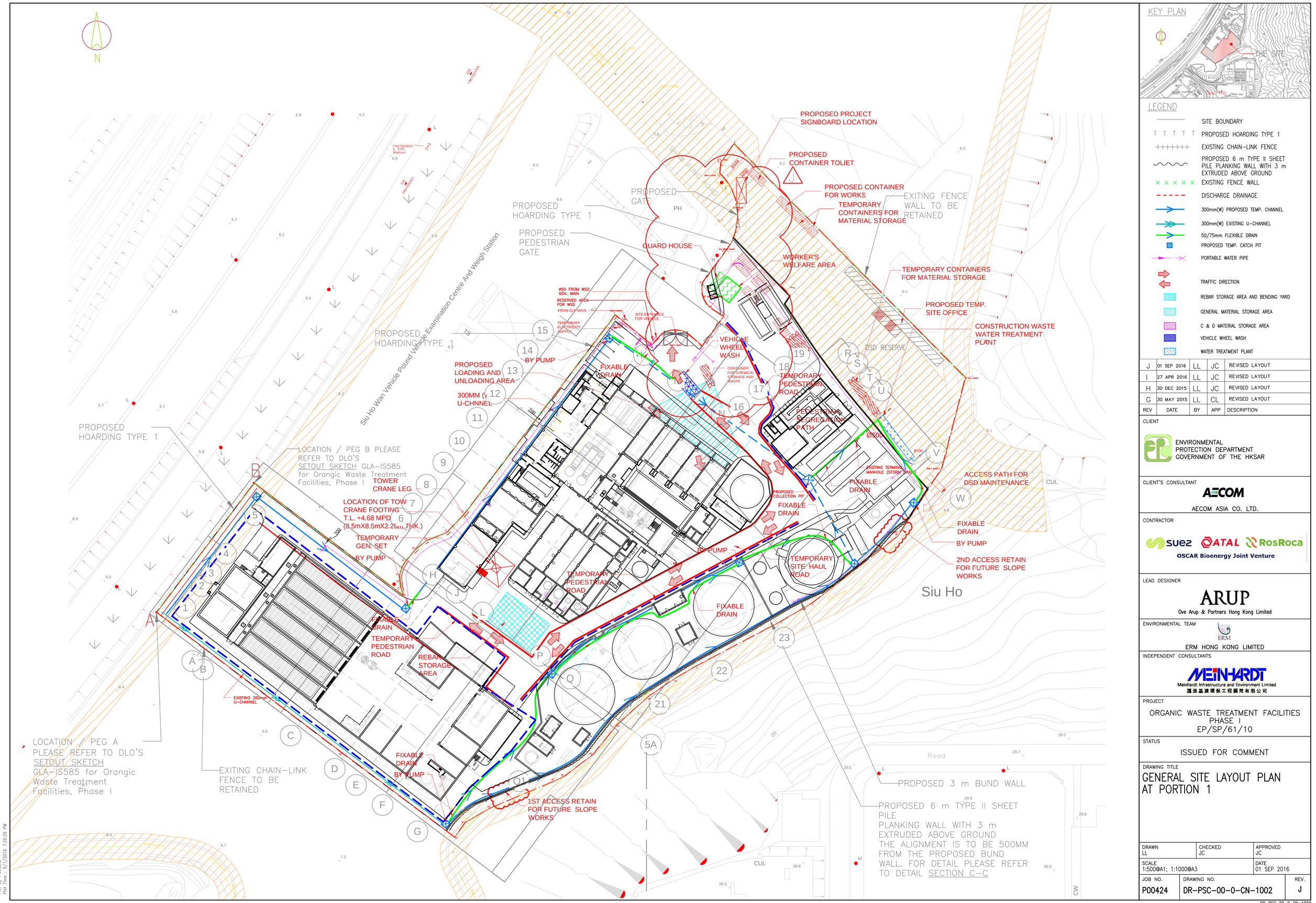
JOB NO.	DRAWING NO.	REV.
239956	DR-OAP-20-0-CA-1001	A01

0279222v.cdr

Plot Time: 05/03/15 21:20:07
Plot Location: C:\Users\matthew.brown\Documents\OWTF_Architectural Working Model (Combined) CEN_matthew.brown.rvt

Annex B

Works Location



KEY PLAN

LEGEND

- SITE BOUNDARY
- PROPOSED HOARDING TYPE 1
- EXISTING CHAIN-LINK FENCE
- PROPOSED 6 m TYPE II SHEET PILE PLANKING WALL WITH 3 m EXTRUDED ABOVE GROUND
- EXISTING FENCE WALL
- DISCHARGE DRAINAGE
- 300mm(W) PROPOSED TEMP. CHANNEL
- 300mm(W) EXISTING U-CHANNEL
- 50/75mm FLEXIBLE DRAIN
- PROPOSED TEMP. CATCH PIT
- PORTABLE WATER PIPE
- TRAFFIC DIRECTION
- REBAR STORAGE AREA AND BENDING YARD
- GENERAL MATERIAL STORAGE AREA
- C & D MATERIAL STORAGE AREA
- VEHICLE WHEEL WASH
- WATER TREATMENT PLANT

REV	DATE	BY	APP	DESCRIPTION
J	01 SEP 2016	LL	JC	REVISED LAYOUT
I	27 APR 2016	LL	JC	REVISED LAYOUT
H	30 DEC 2015	LL	JC	REVISED LAYOUT
G	30 MAY 2015	LL	CL	REVISED LAYOUT

CLIENT

ENVIRONMENTAL PROTECTION DEPARTMENT
GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT

AECOM
AECOM ASIA CO. LTD.

CONTRACTOR

SUEZ ATAL RosRoca
OSCAR Bioenergy Joint Venture

LEAD DESIGNER

ARUP
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ENVIRONMENTAL TEAM

ERM
ERM HONG KONG LIMITED

INDEPENDENT CONSULTANTS

MEINHARDT
Meinhardt Infrastructure and Environment Limited
邁進基建環保工程顧問有限公司

PROJECT

ORGANIC WASTE TREATMENT FACILITIES
PHASE I
EP/SP/61/10

STATUS

ISSUED FOR COMMENT

DRAWING TITLE

GENERAL SITE LAYOUT PLAN AT PORTION 1

DRAWN	CHECKED	APPROVED
LL	JC	JC

SCALE	DATE
1:500@A1; 1:1000@A3	01 SEP 2016

JOB NO.	DRAWING NO.	REV.
P00424	DR-PSC-00-0-CN-1002	J

Plot by : LeoLAM
Plot Time : 9/1/2016 7:26:29 PM

DR-PSC-00-0-CN-1002

Annex C

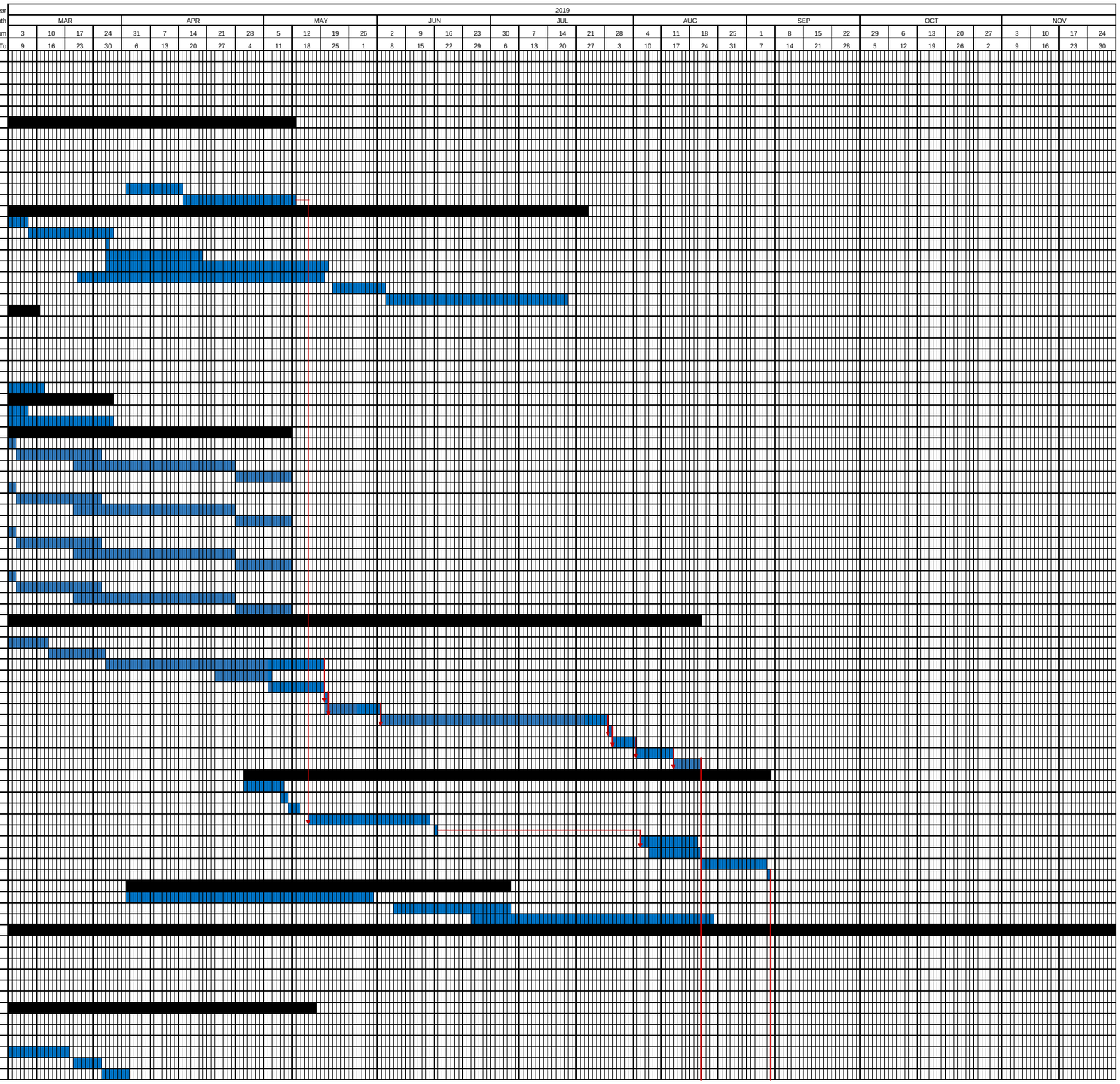
Construction Programme of the Project

Organic Resources Recovery Centre Phase 1

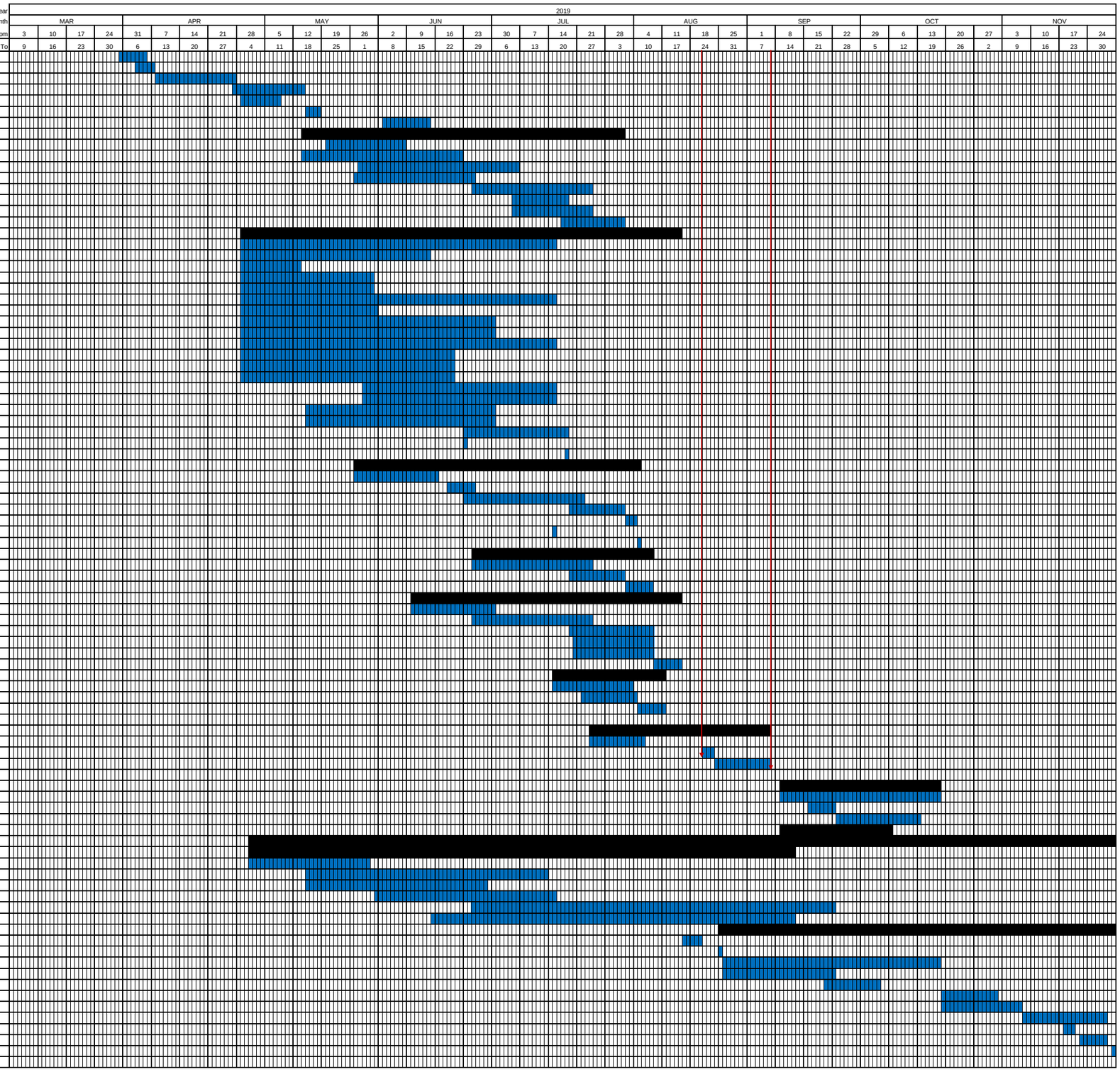
Work Programme for Visitor Centre

Updated: 10/5/2019

ID	Task Name	Contractor's Programme Duration (D)	Start	Finish
1	**Organic Resources Recovery Centre (Phase 1), Visitor Centre**	**557**	**23/5/2018**	**30/11/2019**
2				
3	Employer Change No. 20 - Design & Construction of Visitor Centre	1	23/5/2018	23/5/2018
4	Design Feasibility Study of adding separate access for visiotrs to VC	67	12/6/2018	17/8/2018
5				
6	**DESIGN & SUBMISSION**			
7	**GBP Submission**	**268**	**18/8/2018**	**12/5/2019**
8	Preparation of GBP submission	67	18/8/2018	23/10/2018
9	Vetting by OSCAR / ER	7	24/10/2018	30/10/2018
10	Final revision and preparation of offical submission to FSD	3	31/10/2018	2/11/2018
11	Offical GBP submission to FSD	1	2/11/2018	2/11/2018
12	FSD approval period	45	3/11/2018	17/12/2018
13	GBP Amendment submission to FSD	14	1/4/2019	14/4/2019
14	FSD approval period	28	15/4/2019	12/5/2019
15	**Architectural Design Submission**	**267**	**25/10/2018**	**18/7/2019**
16	Detailed architectural design preparation and submission	134	25/10/2018	7/3/2019
17	Vetting by OSCAR/IC/ER	21	8/3/2019	28/3/2019
18	Submission of façade design	1	27/3/2019	27/3/2019
19	EPD confirmation of façade design (internal layer)	24	27/3/2019	19/4/2019
20	EPD confirmation of façade design (external layer) & G/F outer skin	55	27/3/2019	20/5/2019
21	Detailed design of facade cladding (internal layer)	30	20/4/2019	19/5/2019
22	Preparation of offical submission to ArchSD	14	21/5/2019	3/6/2019
23	ArchSD's approval period	45	4/6/2019	18/7/2019
24	**Structural - Superstructure Design Submission**	**155**	**8/10/2018**	**11/3/2019**
25	Site Survey	7	8/10/2018	14/10/2018
26	Detail foundation design preparation and submission	61	15/10/2018	14/12/2018
27	IC vetting and comment	7	15/12/2018	21/12/2018
28	OSCAR revision and re-submission	10	22/12/2018	31/12/2018
29	IC vetting and further comment	18	1/1/2019	18/1/2019
30	OSCAR revision and re-submission	12	19/1/2019	30/1/2019
31	Vetting and approval by OSCAR/IC/ER	40	31/1/2019	11/3/2019
32	**Structural - Superstructure Design Submission**	**155**	**25/10/2018**	**28/3/2019**
33	Detail superstructure design preparation and submission	134	25/10/2018	7/3/2019
34	Vetting by OSCAR/IC/ER	21	8/3/2019	28/3/2019
35	**Building Services Design Submission**	**188**	**5/11/2018**	**11/5/2019**
36	Electrical installation design preparation and submission	120	5/11/2018	4/3/2019
37	Electrical installation design - IC/ ER vetting and comment	21	5/3/2019	25/3/2019
38	Electrical installation design - OSCAR reivse & re-submit	40	19/3/2019	27/4/2019
39	Electrical installation design IC/ER vetting and approval	14	28/4/2019	11/5/2019
40	Fire services installation design preparation and submission	120	5/11/2018	4/3/2019
41	Fire services installation design - IC/ ER vetting and comment	21	5/3/2019	25/3/2019
42	Fire services installation design - OSCAR reivse & re-submit	40	19/3/2019	27/4/2019
43	Fire services installation design - IC/ER vetting and approval	14	28/4/2019	11/5/2019
44	MVAC installation design preparation and submission	120	5/11/2018	4/3/2019
45	MVAC installation design - IC/ ER vetting and comment	21	5/3/2019	25/3/2019
46	MVAC installation design - OSCAR reivse & re-submit	40	19/3/2019	27/4/2019
47	MVAC installation design - IC/ER vetting and approval	14	28/4/2019	11/5/2019
48	Drainage installation design - preparation and submission	120	5/11/2018	4/3/2019
49	Drainage installation design - IC/ ER vetting and comment	21	5/3/2019	25/3/2019
50	Drainage installation design - OSCAR reivse & re-submit	40	19/3/2019	27/4/2019
51	Drainage installation design - IC/ER vetting and approval	14	28/4/2019	11/5/2019
52	**WSD Statutory Submission**	**231**	**2/1/2019**	**20/8/2019**
53	WWO542 (FS Water) preparation and submission	30	2/1/2019	31/1/2019
54	WSD comment on WWO542 submission	40	1/2/2019	12/3/2019
55	WWO542 (FS Water) revision and re-submission	14	13/3/2019	26/3/2019
56	WSD approval on WWO542	54	27/3/2019	19/5/2019
57	Prepare WW046 Part I & II	14	23/4/2019	6/5/2019
58	OSCAR/ ER review WW046 Part I & II document	14	6/5/2019	19/5/2019
59	Submission of WW046 Part I & II	1	20/5/2019	20/5/2019
60	Issurance of WW046 Part III by WSD	14	20/5/2019	2/6/2019
61	FS Installation work (Water Side)	56	3/6/2019	28/7/2019
62	Submit WW046 Part IV	1	29/7/2019	29/7/2019
63	Liaison with WSD for minor amendment, if needed	6	30/7/2019	4/8/2019
64	WSD inspection on FS water	9	5/8/2019	13/8/2019
65	Issurance of Part V (Water Certificate)	7	14/8/2019	20/8/2019
66	**FSD VAC Submission**	**131**	**29/4/2019**	**6/9/2019**
67	FS VAC preparation	11	29/4/2019	9/5/2019
68	OSCAR/ER review and comment	2	9/5/2019	10/5/2019
69	FS VAC revision	3	11/5/2019	13/5/2019
70	FS VAC formal submission to FSD	30	16/5/2019	14/6/2019
71	Issurance of acceptance letter (VAC)	1	16/6/2019	16/6/2019
72	Submission of FS 314 and FS 501 for VAC system to FSD	14	6/8/2019	19/8/2019
73	FSI Rehersal for VAC	13	8/8/2019	20/8/2019
74	FS inspection for VAC	16	21/8/2019	5/9/2019
75	FSD Issurance of acceptance letter (VAC)	1	6/9/2019	6/9/2019
76	**Off-site Fabrication and Delivery to Site**	**95**	**1/4/2019**	**4/7/2019**
77	Strutural steel frame	60	1/4/2019	30/5/2019
78	Roof and façade cladding (internal layer)	60	6/5/2019	4/7/2019
79	Façade cladding (external layer) & G/F outer skin	60	25/6/2019	23/8/2019
80	**ON-SITE CONSTRUCTION**	**363**	**3/12/2018**	**30/11/2019**
81	**Site Preparation and U/G Servoces Diversion**	**19**	**3/12/2018**	**21/12/2018**
82	Site Take Over	1	3/12/2018	3/12/2018
83	Set up temporary office & electricity	10	3/12/2018	12/12/2018
84	Hoarding erection	10	3/12/2018	12/12/2018
85	Surveying and Setting Out	10	3/12/2018	12/12/2018
86	U/G utilities detection / site vertification	14	8/12/2018	21/12/2018
87	**Foundation Works (Piling ELS and Pile Caps)**	**183**	**14/12/2018**	**14/6/2019**
88	Pre-drilling boreholes	13	14/12/2018	26/12/2018
89	Material procurement and delivery of Pile material	30	22/12/2018	20/1/2019
90	Mobilization of piling plant and set up on site	7	10/1/2019	16/1/2019
91	Installation of working pile	56	21/1/2019	17/3/2019
92	Proof-drilling boreholes	7	19/3/2019	25/3/2019
93	Moblization & set-up for loading test	7	26/3/2019	1/4/2019



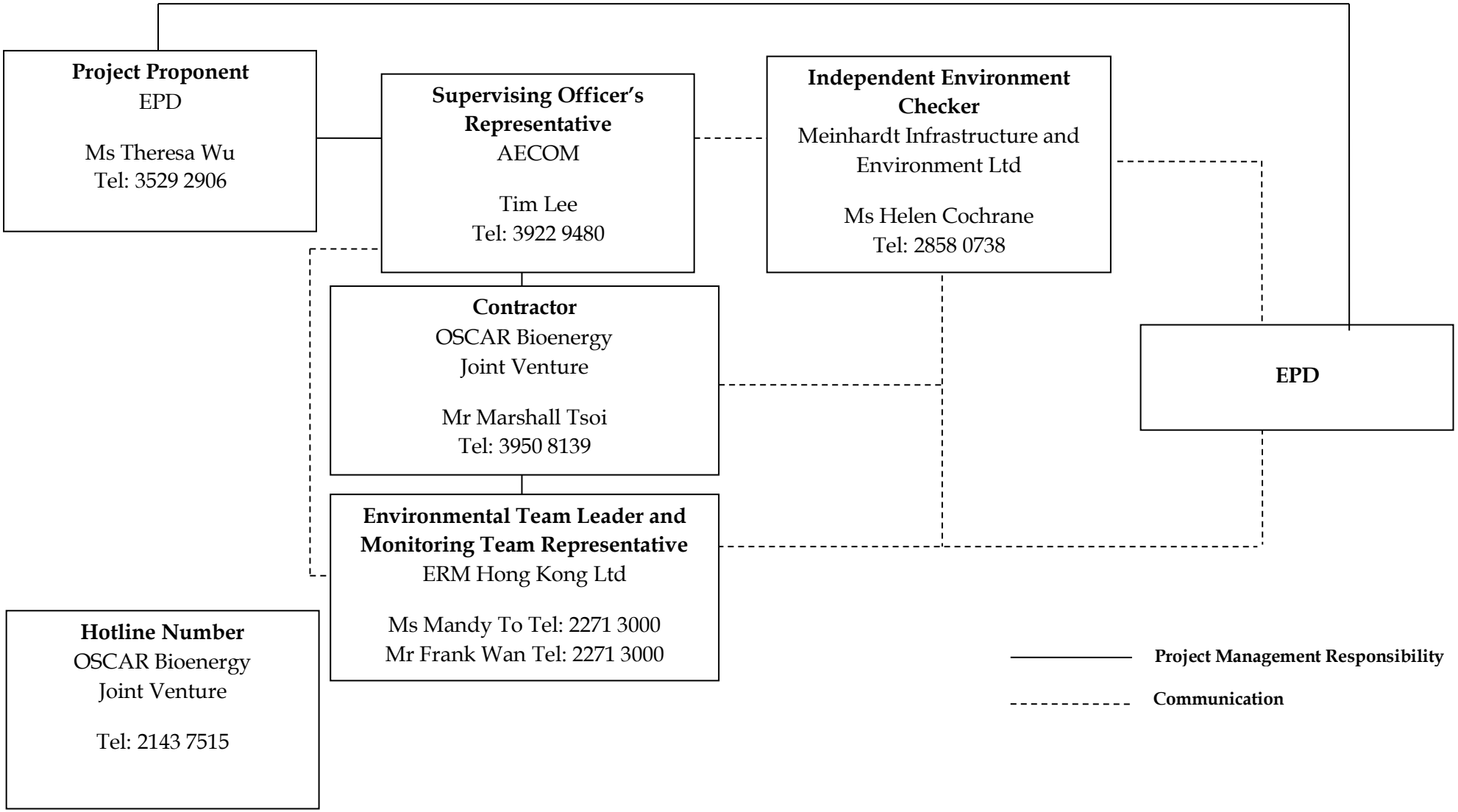
ID	Task Name	Contractor's Programme		
		Duration (D)	Start	Finish
94	Temporary covered walkway to B1	7	30/3/2019	5/4/2019
95	Loading test, demoblization and submit preliminary report	5	3/4/2019	7/4/2019
96	ELS works for pile cap	20	8/4/2019	27/4/2019
97	Construct pile cap, tie beam & pier wall	18	27/4/2019	14/5/2019
98	Submission of Pile Record	10	29/4/2019	8/5/2019
99	Back filling to formation level & contruct on-grade slab	4	15/5/2019	18/5/2019
100	Diversion of U/G Portable Water Pipe	12	3/6/2019	14/6/2019
101	**Superstructure Works**	**80**	**14/5/2019**	**1/8/2019**
102	Construct site wide U/G drainage & cable pit	20	20/5/2019	8/6/2019
103	Erection of Structural Steel Frame	40	14/5/2019	22/6/2019
104	Construct RC structure & RC deck	40	28/5/2019	6/7/2019
105	Closure of B1 lift lobby for building breakthrough and link bridge connection	30	27/5/2019	25/6/2019
106	B1 lift lobby finishes & BS works by separate hoarding erection	30	25/6/2019	24/7/2019
107	Install Roof Cladding	14	5/7/2019	18/7/2019
108	Install Facade Wall Cladding (Internal Layer)	20	5/7/2019	24/7/2019
109	Interal BOH finishes	16	17/7/2019	1/8/2019
110	**Building Services Installation**	**109**	**29/4/2019**	**15/8/2019**
111	Procurement and delivery of major BS equipment	78	29/4/2019	15/7/2019
112	Electrical - Light Fitting	47	29/4/2019	14/6/2019
113	Electrical - Conduit & Trunking	15	29/4/2019	13/5/2019
114	Electrical - MCB, MCCB & Distribution Board	33	29/4/2019	31/5/2019
115	Electrical - Cable & Accessories	33	29/4/2019	31/5/2019
116	MVAC - VRF air handing unit	78	29/4/2019	15/7/2019
117	MVAC - NCCO unit	34	29/4/2019	1/6/2019
118	MVAC - Split type air conditioning units	63	29/4/2019	30/6/2019
119	MVAC - Inline Fan	63	29/4/2019	30/6/2019
120	MVAC - AHU / Fanb Control Panel	78	29/4/2019	15/7/2019
121	MVAC - S.S. Fire Damper	53	29/4/2019	20/6/2019
122	MVAC - GI Pipe & CU Pipe	53	29/4/2019	20/6/2019
123	MVAC - Air Duct Silencer	53	29/4/2019	20/6/2019
124	FS - FM200	48	29/5/2019	15/7/2019
125	FS - AFA Panel and equipment	48	29/5/2019	15/7/2019
126	FS - GI Pipe & Valve	47	15/5/2019	30/6/2019
127	FS - Fire Hydrant, Hose Reel, FS Inlet & Sprinkler Head	47	15/5/2019	30/6/2019
128	Assess date for BS installation	26	23/6/2019	18/7/2019
129	to Sever Room and MVAC Room on G/F	1	23/6/2019	23/6/2019
130	to M/F	1	18/7/2019	18/7/2019
131	Electrical Installation	**70**	**27/5/2019**	**4/8/2019**
132	Underground cable duct & cable pit	21	27/5/2019	16/6/2019
133	Underground cable laying from Building 3	7	19/6/2019	25/6/2019
134	On-site installation on G/F	30	23/6/2019	22/7/2019
135	On-site installation on M/F	14	19/7/2019	1/8/2019
136	Testing and commissioning	3	2/8/2019	4/8/2019
137	Power energization from LV Main Switch Room of Building 3 to VC	1	15/7/2019	15/7/2019
138	Energisation	1	5/8/2019	5/8/2019
139	MVAC Installation	**45**	**25/6/2019**	**8/8/2019**
140	On-site installation on G/F	30	25/6/2019	24/7/2019
141	On-site installation on M/F	14	19/7/2019	1/8/2019
142	Testing and commissioning	7	2/8/2019	8/8/2019
143	Fire Services Installation	**50**	**27/6/2019**	**15/8/2019**
144	Alteration and diversion of existing sprinkler pipes at Building 1	21	27/6/2019	17/7/2019
145	On-site installation on G/F	30	25/6/2019	24/7/2019
146	On-site installation on M/F	21	19/7/2019	8/8/2019
147	Connect FS Pipe to existing pipeline	20	20/7/2019	8/8/2019
148	AFA Re-programming & connection	20	20/7/2019	8/8/2019
149	Testing and commissioning; pressure test	7	9/8/2019	15/8/2019
150	CCTV System	**28**	**15/7/2019**	**11/8/2019**
151	Alteration of existing installation	14	15/7/2019	28/7/2019
152	Site installation	14	22/7/2019	4/8/2019
153	Testing & comissioning; Pressure Test	7	5/8/2019	11/8/2019
154				
155	**FSI Inspection & Certificate**	**45**	**24/7/2019**	**6/9/2019**
156	FS Form 314 and FS 501 preparation and submission	14	24/7/2019	6/8/2019
157	FS Inspection	3	21/8/2019	23/8/2019
158	FS Certificate	14	24/8/2019	6/9/2019
159				
160	**Interior fitting out works by OSCAR**	**40**	**9/9/2019**	**18/10/2019**
161	G/F Lobby	40	9/9/2019	18/10/2019
162	Fire staircase from G/F to M/F	7	16/9/2019	22/9/2019
163	Link bridges to M/F & 1/F of Buidling 1	21	23/9/2019	13/10/2019
164	**Façade cladding (external layer) & G/F outer skin by OSCAR**	**28**	**9/9/2019**	**6/10/2019**
165	**Exhibits and Equipment Installation by Adbrownies**	**214**	**1/5/2019**	**30/11/2019**
166	**Pre-construction stage**	**135**	**1/5/2019**	**12/9/2019**
167	Design shop drawings	30	1/5/2019	30/5/2019
168	Statutory submission	60	15/5/2019	13/7/2019
169	Material submission for approval	45	15/5/2019	28/6/2019
170	Mock-up for approval (if any)	45	1/6/2019	15/7/2019
171	Procurement for long-lead item	90	25/6/2019	22/9/2019
172	Off-site fabrication	90	15/6/2019	12/9/2019
173	**Construction stage**	**98**	**25/8/2019**	**30/11/2019**
174	Setting out review and confirmation	5	16/8/2019	20/8/2019
175	Construction site handover	1	25/8/2019	25/8/2019
176	Main construction works	54	26/8/2019	18/10/2019
177	Electrical installation	28	26/8/2019	22/9/2019
178	IT, LAV cabling works	14	20/9/2019	3/10/2019
179	Full dome installation	14	19/10/2019	1/11/2019
180	Dust free LAV equipment installation	20	19/10/2019	7/11/2019
181	Testing and commissioning	21	8/11/2019	28/11/2019
182	Furniture delivery & Setup	3	18/11/2019	20/11/2019
183	Client inspection ad defect rectificaton	7	22/11/2019	28/11/2019
184	Handover to Client	1	30/11/2019	30/11/2019
185	**Completion of Vistor Centre**	**1**	**30/11/2019**	**30/11/2019**



Annex D

Project Organisation Chart with Contact Details

Project Organization (with contact details)



Annex E

Calibration Certification for the On-line Stack Monitoring System

Annex E1

Calibration Certification for the CEMS

(1)

Commissioning Check List 试运行检查项目表
MCS100FT

Customer data 客户资料

Customer: OSCAR Plant: OWTF

Location: SHW

1. Device data 设备资料

Device type 设备类型: MCS100FT (1)

Serial no. 序列号: 16070493

Sample probe type 取样探头类型: SFU

2. Plant data 电厂资料

Location 标签编号: Outside 室外 ☐ Under cover 有保护罩 ☐ Inside 室内 ☑

Orientation of the stack 取样点方向: Horizontal 水平 ☐ Vertical 垂直 ☑

Orientation of sample gas probe 取样探头方向: Horizontal 水平 ☑ Vertical 垂直 ☐

Pressure 压力 1010 hpa Gas temperature 烟气温度 410 °C

Plant operating status 电厂运行情况 Normal

3. Prerequisite 系统运行条件

	Y	N	Remarks 备注
3.1. Documentation + Delivery complete 文件+货物是否齐全	☑	☐	
3.2. Platform at measurement spot has suitable dimension? 测量点平台的尺寸是否合适?	☑	☐	
3.3. If this measurement location is under legal regulation, has it been acknowledged by an official body? 如果安装位置需要符合法律法规，此安装位置是否被官方认可?	☑	☐	
3.4. Customer specific data for parameterization available? 用户对系统参数的特殊要求是否可行?	☑	☐	
3.5. Cables, tubes and sample line installed but not connected? 电缆、管线和取样管线安装但没有连接?	☑	☐	
3.6. Compressed air station installed and compressed air available? 压缩空气站已安装并且压缩空气可以使用?	☑	☐	

4. **Preliminary work** 预备工作	Y	N	Remarks 备注
4.1. Mounting of flanges like described in the Operating Instruction? 法兰安装是否按照图纸?	☑	☐	
4.2. Check for damage 检查外部损伤	☑	☐	
4.3. Check ambient conditions 检查环境条件	☑	☐	
4.4. Check mounting conditions 检查安装条件	☑	☐	
4.5. Check cables / wires for correct installation 检查电缆/电线及其连接状况	☑	☐	
4.6. Check main power supply voltage 检查总供电电压	☑	☐	

5. **Periphery** 外部设备	Y	N	Remarks 备注
5.1. Check compressed air supply 检查压缩空气供应	☑	☐	
Inlet 入口(5 bar): 6 Bar			

6. **Sample probe** 取样探头	Y	N	Remarks 备注
6.1. Connect bundle of tubes and cables 管线和电缆的连接	☑	☐	
6.2. Install probe 探头安装	☑	☐	

7. MCS100FT	Y	N	Remarks 备注
7.1. Switch on analyzer and wait for warm up 打开分析仪并等待预热	☑	☐	
7.2. Check sample conditions 检查样气情况	☑	☐	
Flow rate 流量: 230 l/h			
7.3. Check zero conditions 检查零点情况	☑	☐	
Flow rate 流量: 160 l/h			
7.4. Perform zero point setting 零点设置	☑	☐	Test results within specification.
7.5. Perform span test 量程测试	☑	☐	
7.6. Parameterize the I/O Module 设置 I/O 模块参数	☑	☐	
7.7. Measured values are plausible 测量值是否合理	☑	☐	
7.8. Save device data 储存设备数据	☑	☐	
7.9. Complete Commissioning Sign-Off Sheet 完成试运行签署表	☑	☐	
7.10. Instruct the operator personnel 操作员培训 Hand over the maintenance manual and check lists 移交维护手册和检查表 - Measurement reading 读取测量值 - Perform customer maintenance 演示维护方法 - Read messages 读取信息	☑	☐	

8. Measured value

Index 编号	Source 信号源	Unit 单位	Range 范围		Reading (actual) 实际读数	Output value 产值
			Start 开始	End 结束		
1	HCL	mg/Nm³	0	120	60.22ppm	60.22ppm
2	HF	mg/Nm³	0	5	4.34ppm	4.34ppm
3	CO	mg/Nm³	0	1000	128.21ppm	128.20ppm
4	NO	mg/Nm³	0	500	122.01ppm	122.00ppm
5	NO_2	mg/Nm³	0	200	98.81ppm	98.80ppm
6	NO_X	mg/Nm³	0	500	412.11mg/m³	412.12mg/m³
7	SO_2	mg/Nm³	0	300	83.21ppm	83.21ppm
8	CO_2	Vol o/o	0	25	20.01 o/o	20.01 o/o
9	H_2O	Vol o/o	0	40	32.02o/o	32.01 o/o
10	O_2	Vol o/o	0	21	20.95o/o	20.95o/o
11	TOC	mg/Nm³	0	300	122.01ppm	122.01ppm
12	NH_3	mg/Nm³	0	100	53.30ppm	53.31ppm
13	CH_4	mg/Nm³	0	100	112.01ppm	112.01ppm
14						
15						

Remarks 备注

Date
日期: 25/7/2018

Engineer
工程师:

Name 签名

Plant personnel
用户代表:

(2)

Commissioning Check List 试运行检查项目表
MCS100FT

Customer data 客户资料

Customer: Oscar
Plant: OWTF
Location: SHW

1. Device data 设备资料

Device type 设备类型: MCS100FT (2)
Serial no. 序列号: 1607 0494
Sample probe type 取样探头类型: SFU

2. Plant data 电厂资料

Location 标签编号: Outside 室外 ☐ Under cover 有保护罩 ☐ Inside 室内 ☑

Orientation of the stack 取样点方向: Horizontal 水平 ☐ Vertical 垂直 ☑

Orientation of sample gas probe 取样探头方向: Horizontal 水平 ☑ Vertical 垂直 ☐

Pressure 压力: 1010 hpa
Gas temperature 烟气温度: 410 °C
Plant operating status 电厂运行情况: Normal

3. Prerequisite 系统运行条件

	Y	N	Remarks 备注
3.1. Documentation + Delivery complete 文件+货物是否齐全	☑	☐	
3.2. Platform at measurement spot has suitable dimension? 测量点平台的尺寸是否合适?	☑	☐	
3.3. If this measurement location is under legal regulation, has it been acknowledged by an official body? 如果安装位置需要符合法律法规，此安装位置是否被官方认可?	☑	☐	
3.4. Customer specific data for parameterization available? 用户对系统参数的特殊要求是否可行?	☑	☐	
3.5. Cables, tubes and sample line installed but not connected? 电缆、管线和取样管线安装但没有连接?	☑	☐	
3.6. Compressed air station installed and compressed air available? 压缩空气站已安装并且压缩空气可以使用?	☑	☐	

4. **Preliminary work** 预备工作	Y	N	Remarks 备注
4.1. Mounting of flanges like described in the Operating Instruction? 法兰安装是否按照图纸?	☑	☐	
4.2. Check for damage 检查外部损伤	☑	☐	
4.3. Check ambient conditions 检查环境条件	☑	☐	
4.4. Check mounting conditions 检查安装条件	☑	☐	
4.5. Check cables / wires for correct installation 检查电缆/电线及其连接状况	☑	☐	
4.6. Check main power supply voltage 检查总供电电压	☑	☐	

5. **Periphery** 外部设备	Y	N	Remarks 备注
5.1. Check compressed air supply 检查压缩空气供应	☑	☐	
Inlet 入口(5 bar): 6 Bar			

6. **Sample probe** 取样探头	Y	N	Remarks 备注
6.1. Connect bundle of tubes and cables 管线和电缆的连接	☑	☐	
6.2. Install probe 探头安装	☑	☐	

7. MCS100FT	Y	N	Remarks 备注
7.1. Switch on analyzer and wait for warm up 打开分析仪并等待预热	☑	☐	
7.2. Check sample conditions 检查样气情况	☑	☐	
Flow rate 流量: 240 l/h			
7.3. Check zero conditions 检查零点情况	☑	☐	
Flow rate 流量: 150 l/h			
7.4. Perform zero point setting 零点设置	☑	☐	
7.5. Perform span test 量程测试	☑	☐	Test results within specification.
7.6. Parameterize the I/O Module 设置 I/O 模块参数	☑	☐	
7.7. Measured values are plausible 测量值是否合理	☑	☐	
7.8. Save device data 储存设备数据	☑	☐	
7.9. Complete Commissioning Sign-Off Sheet 完成试运行签署表	☑	☐	
7.10. Instruct the operator personnel 操作员培训 Hand over the maintenance manual and check lists 移交维护手册和检查表 - Measurement reading 读取测量值 - Perform customer maintenance 演示维护方法 - Read messages 读取信息	☑	☐	

8. Measured value

Index 编号	Source 信号源	Unit 单位	Range 范围		Reading (actual) 实际读数	Output value 产值
			Start 开始	End 结束		
1	HCL	mg/Nm^3	0	120	60.21 ppm	60.21 ppm
2	HF	mg/Nm^3	0	5	4.32 ppm	4.32 ppm
3	CO	mg/Nm^3	0	1000	128.20 ppm	128.20 ppm
4	NO	mg/Nm^3	0	500	122.00 ppm	122.00 ppm
5	NO_2	mg/Nm^3	0	200	98.80 ppm	98.81 ppm
6	NO_X	mg/Nm^3	0	500	412.22 mg/Nm^3	412.21 mg/Nm^3
7	SO_2	mg/Nm^3	0	300	83.21 ppm	83.21 ppm
8	CO_2	Vol o/o	0	25	20.00 o/o	20.00 o/o
9	H_2O	Vol o/o	0	40	32.01 o/o	32.01 o/o
10	O_2	Vol o/o	0	21	20.95 o/o	20.95 o/o
11	TOC	mg/Nm^3	0	300	122.01 ppm	122.01 ppm
12	NH_3	mg/Nm^3	0	100	53.30 ppm	53.30 ppm
13	CH_4	mg/Nm^3	0	100	112.02 ppm	112.02 ppm
14						
15						

Remarks 备注

Date
日期: 25/7/2018

Engineer
工程师: Eddie Law

Name 签名

Plant personnel
用户代表:

Annex E2

Calibration Certification for the CAPCS

QM Zertifikat / QM certificate

Dusthunter SP30

SICK
Sensor Intelligence.

Identifikation / *identification*

Artikel Nr. / *Part No.:* **1089203** **DHSP30-T2V2FPNNNNNXXS**

Ident Nr. / *Ident no.:* 00116 Serien Nr. / *Serial no.:* **18168223**

Firmware Version / *Firmware version:* 01.02.06 (Feb 27 2018 11:37:54)
Bootloader Version / *Bootloader version:* 01.00.02
Hardware Revision / *Hardware version:* 1.2
Geräteausführung / *Device version:*
BUS-Adresse / *Bus address:* 1

Parameter / *Parameter*

Sensorantwortzeit / *Sensor response time* 60.0 sec.

Gebläse / *Blower:* installiert / *installed*

Messgrößen u. Koeffizienten / *Measuring variables and coefficients*

Streulichtfaktoren / *Scattered light coefficients:*

CC0 (abs.): -0.3800
CC1 (lin.): 0.6850
CC2 (square): 0.0000

Verstärkungsfaktor, Offset / *Gain factor, Offset:*

Gain 0: 10.0000 Offset 0: 0.00045

Faktoren Analogausgang / *Analog Output factors:*

CC0 (abs.): 2.00
CC1 (lin.): 170.85
CC2 (square): 0.00

Referenzgerät Streulicht DHSP100 Serien-Nr.:
Reference measuring device DHSP100 Serial no.:

SN: 00014 / 08518553

Spantest 70 Laser / *Span 70 Laser* 70.00 %

Relais 3: Wartung / Maintenance

Koeffizientensätze Messbereich 0 / *Coefficient Sets meas. range 0:*

Koeff. Satz 1 / *Coeff. set 1:*

CC 0 (abs.): 0.0000
CC 1 (lin.): 1.0000
CC 2 (square): 0.0000

Koeff. Satz 2 / *Coeff. set 2:*

CC 0 (abs.): 0.0000
CC 1 (lin.): 1.0000
CC 2 (square): 0.0000

Messbereich, Grenzwert / *Meas. range, limit:*

Messbereichsschalter / *Meas. range switch:* 0 (Software)

Messbereich Wert1 / *Meas. range low value:* 0.0 mg

Messbereich Wert2 / *Meas. range high value:* 75.0 mg

Grenzwert / *Limit value:* 50.0 mg

Gebläse Druck/*Blower Pressure:* 10.0 mbar

Modbus Schnittstelle / *Modbus interface:*

Protokoll / *protocol:* RTU
Adresse / *address:* 1
Baudrate / *baudrate:* 19200
Datenbits Parität Stopbits / *Databits parity stopbits:* 8 EVEN 1
Endian Codierung / *endian code:* NONE

Das Gerät mit der o.g. Serien-Nr. wurde überprüft und kalibriert nach den Qualitätsstandards der SICK-Gruppe basierend auf einem nach ISO9001 zertifizierten Qualitätssicherungssystem.

This device with the serial no. noted above has been tested and calibrated according to the quality standards of the SICK-Group, which are based on a ISO9001 certified Quality Assurance System.

Ottendorf-Okrilla, 16.04.2018

Unterschrift: / *Signature:*

Annex F

Implementation Schedule of Mitigation Measures

Annex F1

Implementation Schedule of Mitigation Measures for Construction Phase

Annex F1 Summary of Mitigation Measures Implementation Schedule for Construction Phase

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
Summary of Environmental Mitigation Measures in the EIA and EM&A Manual				
A. Air Quality				
3.73	2.5	<u>*Air Pollution Control (Construction Dust) Regulation & Good Site Practices*</u> • Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. • Use of frequent watering for particularly dusty construction areas and areas close to ASRs. • Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering should be applied to aggregate fines. • Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. • Imposition of speed controls for vehicles on unpaved site roads. 8 kilometers per hour is the recommended limit. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. • Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides. • Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed. • Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system.	Construction Site / During Construction Period	√
B. Hazard to Life				
4.102	3.3	<u>*Construction Phase*</u> • The number of workers on site during construction stage should be kept at the same level as	Construction Site / During Construction Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		the assessment. • Construction works should be suspended when delivery of chlorine takes place. • 3m high fence should be constructed along the boundary facing the SHWWTW. • Emergency evacuation procedures should be formulated and the Contractor should ensure all workers on site should be familiar with these procedures as well as the route to escape in case of gas release incident. Relevant Departments, such as Fire Services Department (FSD), should be consulted during the development of Emergency procedures. Diagram showing the escape routes to a safe place should be posted in the site notice boards and at the entrance/exit of site. A copy of the latest version emergency procedures should be dispatched to Tung Chung Fire Station for reference once available. • The emergency procedures should specify means of providing a rapid and direct warning (e.g. Siren and Flashing Light) to construction workers in the event of chlorine gas release in the SHWWTW. • The Contractor should establish a communication channel with the SHWWTW operation personnel and FSD during construction stage. In case of any hazardous incidents in the treatment works, operation personnel of SHWWTW should advise the Contractor to inform construction workers to proceed with emergency procedure. The Contractor should appoint a Liaison Officer to communicate with FSD Incident Commander on site in case of emergency. • Introduction training should be provided to any staff before carryout construction works at the Project site. • Periodic drills should be coordinated and conducted to ensure all construction personnel are familiar with the emergency procedures. Upon completion of the drills, a review on every step taken should be conducted to identify area of improvement. Prior notice of periodic drills should be given to Station Commander of Tung Chung Fire Station. Joint operational exercise with FSD and SHWWTW is recommended.		
C. Water Quality				
5.44	4.5	*Construction site run-off and general construction activities:* The mitigation measures as outlined in the ProPECC PN 1/94 Construction Site Drainage should be adopted where applicable.	Construction Site / During Construction Period	√
5.45	4.5	*Excavation of Soil Materials* The construction programme should be properly planned to minimise soil excavation, if any, in rainy seasons. This prevents soil erosion from exposed soil surfaces. Any exposed soil surfaces should also be properly protected to minimise dust emission. In areas where a large amount of exposed soils exist, earth bunds or sand bags should be provided. Exposed stockpiles should be covered with tarpaulin or impervious sheets at all times. The stockpiles of materials should be	Construction Site / During Construction Period	N/A

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		placed at locations away from any stream courses so as to avoid releasing materials into the water bodies. Final surfaces of earthworks should be compacted and protected by permanent work.		
5.46	4.5	*Accidental spillage of chemicals:* Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Construction Site / During Construction Period	√
5.47	4.5	Maintenance of vehicles and equipments involving activities with potential for leakage and spillage should only be undertaken within the areas which appropriately equipped to control these discharges.	Construction Site / During Construction Period	√
5.48	4.5	Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.	Construction Site / During Construction Period	N/A
5.49	4.5	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. • Chemical waste containers should be suitably labeled, to notify and warn the personnel who are handling the wastes, to avoid accidents. • Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.	Construction Site / During Construction Period	√
5.50	4.5	Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid entering to the nearby watercourses. Stockpiles of cement and other construction materials should be kept covered when not being used. Rubbish and litter from construction sites should also be collected to prevent spreading of rubbish and litter from the site area. It is recommended to clean the construction sites on a regular basis.	Construction Site / During Construction Period	√
5.51	4.5	*Sewage Effluent*	Work site/During the	N/A

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		The presence of construction workers generates sewage. It is recommended to provide sufficient chemical toilets in the works areas. The toilet facilities should be more than 30m from any watercourse. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.	construction period	
5.52	4.5	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the project. Regular environmental audit on the construction site can provide an effective control of any malpractices and can achieve continual improvement of environmental performance on site.	Work Site / During Construction Period	√
5.53	4.5	*Nullah Decking* To minimize the potential water quality impacts from the nullah reconstruction works, the practices outlined below should be adopted where applicable: • The proposed works should be carried out within the dry season between October and March when the flow in the open nullah is low. • The use of less or smaller construction plants may be specified to reduce the disturbance to the nullah bed. • Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from the nullah and any water courses during carrying out of the construction works. • Stockpiling of construction materials and dusty materials should be covered and located away from the nullah any water courses. • Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nullah and nearby water receivers. • Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the nullah, where practicable. • Construction effluent, site run-off and sewage should be properly collected and/or treated. • Any works site inside the nullah should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the water quality. • Proper shoring may need to be erected in order to prevent soil/mud from slipping into the nullah and nearby watercourse. • Supervisory staff should be assigned to station	Work Site / During Construction Period	N/A
D. Waste Management				
6.41	5.4	*Good Site Practices*	Work Site / During	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		Recommendations for good site practices during the construction phase would include: • Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28); • Provide staff training for proper waste management and chemical handling procedures; • Provide sufficient waste disposal points and regular waste collection; • Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; • Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and • Employ licensed waste collector to collect waste.	Construction Period	
6.42	5.5	*Waste Reduction Measures* Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include: • Design foundation works that could minimise the amount of excavated material to be generated; • Provide training to workers on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling; • Sort out demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (i.e. soil, broken concrete, metal etc.); • Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; • Encourage the collection of aluminium cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the workforce; and • Plan and stock construction materials carefully to minimize the amount of waste to be generated and to avoid unnecessary generation of waste.	Work Site/During Design & Construction Period	√
6.44	5.7	*Excavated and C&D Materials* In order to minimise the impact resulting from collection and transportation of C&D material for off-site disposal, the excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for landscaping works as far as practicable. Other mitigation requirements are listed below: • A WMP, which becomes part of the Environmental Management Plan (EMP), should be prepared in accordance with ETWB TCW No.19/2005;	Work Site/During Design & Construction Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		• A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) should be adopted for easy tracking; and • In order to monitor the disposal of excavated and C&D material at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be adopted (refer to ETWB TCW No. 31/2004).		
6.45 – 6.46	5.8 – 5.9	An EMP should be prepared and implemented in accordance with ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. The EMP should be submitted to the Supervising Officer (SO) and Supervising Officer's Representative (SOR) for approval. The EMP should be reviewed regularly and updated, preferably on a monthly basis. A system should be devised to work for on-site sorting of excavated and C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.	Work Site/During Design & Construction Period	√
6.47	5.10	*Chemical Waste* Should chemical wastes be produced at the construction site, the Contractor would be required to register with EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste (such as explosive, flammable, oxidizing, irritant, toxic, harmful, or corrosive). The Contractor should employ a licensed collector to transport and dispose of the chemical wastes, to either the CWTC in Tsing Yi, or any other licensed facilities, in accordance with the Waste Disposal (Chemical Waste) General) Regulation.	Work Site / During Construction Period	√
6.48	5.11	*General Refuse* General refuse should be stored in enclosed bins or compaction units separated from C&D material. A licensed waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Work Site / During Construction Period	√
E. Landscape and Visual				
7.99 & Table 7.7	Table 6.1	Construction Phase Topsoil, where identified, should be stripped and stored for re-use in the construction of the	Work Site / During Construction Period	N/A

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		soft landscape works, where practical ・Compensatory tree planting should be provided to compensate for felled trees. - Compensation tree species shall be chosen from both indigenous and ornamental species - Compensatory tree planting quantities shall be as per DLO approved requirement. ・Control of night-time lighting ・Erection of decorative screen hoarding compatible with the surrounding setting		
F. Noise				
8.25	7.3	Good Site Practice: ・Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program; ・Mobile plant, if any, should be sited as far from noise sensitive receivers (NSRs) as possible; ・Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; ・Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and ・Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.	Work site/During Design & Construction Stages	<>

Remark:

√ Compliance of Mitigation Measures
<> Compliance of Mitigation but need improvement
x Non-compliance of Mitigation Measures
▲ Non-compliance of Mitigation Measures but rectified by OSCAR Bioenergy JV
Δ Deficiency of Mitigation Measures but rectified by OSCAR Bioenergy JV
N/A Not Applicable in Reporting Period

Annex F2

Implementation Schedule of Mitigation Measures for Operation Phase

Annex F2 Summary of Mitigation Measures Implementation Schedule for Operation Phase

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
Summary of Environmental Mitigation Measures in the EIA and EM&A Manual				
A. Air Quality				
3.78	2.7 & 2.13 – 2.19	*Air Pollution Control (Construction Dust) Regulation & Good Site Practices* • Commissioning tests shall be conducted to confirm the centralized air pollution control unit, the cogen units, the standby flaring unit and ASP against the design emission levels as stated in Tables 2.2 - 2.5. • Odour monitoring shall be conducted at the stack exhaust of the centralized air pollution control unit weekly in the first month of the commissioning stage.	OWTF Stacks/ During Commissioning Stage	√
3.78	2.7-2.12	*Air Pollution Control and Stack Monitoring* • Stack monitoring shall be installed for the centralized air pollution control unit, cogen units and ASP of OWTF to ensure that the air emissions from OWTF would meet the design emission limits as well as EPD criteria.	During Operation	√
3.78	2.20- 2.28	• Odour Patrol at site boundary of OWTF	OWTF Site Boundary/During Operation (The need to continue the odour patrol after the end of the 2-year monitoring period would depend on the monitoring results and should be agreed with EPD)	N/A
B. Hazard to Life				
4.103	3.4	*Operation Phase* • 3m high fence should be constructed along the boundary facing the SHWWTW • Emergency evacuation procedures should be formulated and the Contractor should ensure on site staff should be familiar with these procedures. Diagram showing the escape routes to a safe place should be posted in the site notice boards and at the entrance/exit of site. A copy of the latest version emergency procedures should be dispatched to Tung Chung Fire Station for reference once available. • The emergency procedures should specify means of providing a rapid and direct warning (e.g. Siren and Flashing Light) to personnel on site in the event of chlorine gas release in the SHWWTW. • The Contractor should establish a communication channel with the SHWWTW operation personnel and FSD. In case of any hazardous incidents in the treatment works, operation personnel of SHWWTW should advise the Contractor to inform personnel on site to proceed	Work Site / During Operation Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		with emergency procedure. The Contractor should appoint a Liaison Officer to communicate with FSD Incident Commander on site in case of emergency. • Periodic drills should be coordinated and conducted to ensure all on site personnel are familiar with the emergency procedures. Upon completion of the drills, a review on every step taken should be conducted to identify area of improvement. Prior notice of periodic drills should be given to Station Commander of Tung Chung Fire Station. Joint operational exercise with FSD and SHWWTW is recommended.		
C. Water Quality				
5.44	4.5	<u>*Wastewater from Organic Waste Treatment Process*</u> The Project site will be equipped with an adequately sized wastewater treatment plant. A high rate type of active sludge system specifically designed for the removal of nitrogen components from the wastewater in combination with conversion of residual BOD and COD would be deployed. The wastewater treatment plant would also be incorporated with SHARON or annamox technology or equivalent to achieve high total overall nitrogen removal. Wastewater generated from the OWTF (including wastewater from dewatering process, leachate from waste reception area, condensate from biogas handling, wastewater from scrubber of air treatment system and any surplus water from truck washing facility) will be diverted to the wastewater treatment plant. Treated effluent will then be stored temporarily in order to be used as process water within the plants. The storage volume would be around 20 m3. Overflow from the tank will be discharged to foul sewers. The polluting parameters in effluent shall be in compliance with the requirements specified in the TM- DSS. The design, installation and operation of the wastewater treatment plant shall be licensed under the Waste Disposal Ordinance and subject to the effluent monitoring as required under the WPCO which is under the ambit of regional office (RO) of EPD. To ensure that wastewater can be adequately treated and effluent from treatment plant can meet the standards listed in TM- DSS, the following mitigation measure should be conducted. • Cleaning and maintenance of treatment facilities should be conducted on a regular basis to ensure that removal rate of each treatment facility would not be reduced. • Cleaning and maintenance of pipelines should be carried out on a regular basis to prevent block of pipeline and leaching of wastewater, and therefore prevent overflowed or leached wastewater discharging into nearby drainages and water streams. • Regular site inspection should be conducted to ensure that no wastewater can be directly discharged into nearby water streams.	Work Site / During Design & Operation Period	√
5.55	4.5	In the scrubber, spraying water should be re-circulated to minimize the need for external water. The spraying water would be collected at the bottom of the scrubber. Excess water would be discharged to the wastewater treatment plant as described in Section 5.54.	Work Site / During Design & Operation Period	√
5.56	4.5	The waste reception, treatment facilities and compost storages of OWTF should be located in	Work Site / During Design &	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		enclosed buildings to prevent generation of contaminated rain runoff. All surface runoff such as washed water generated in the treatment processes areas should be properly collected and diverted to the on-site wastewater treatment plant as described in Section 5.54.	Operation Period	
5.57	4.5	All drainage system for collection and transferring wastewater generated in the OWTF to the on-site wastewater treatment plant as described in Section 5.54 should be capable of preventing clogging and easy maintenance and cleaning.	Work Site / During Design & Operation Period	Δ
D. Waste Management				
6.50	5.12	*Good Site Practices* Good operational practices should be adopted to Minimize waste management impacts: • Obtain the necessary waste disposal permits from the appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous Provision) Ordinance (Cap. 28); • Nomination of an approved person to be responsible for good site practice, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site; • Use of a waste haulier licensed to collect specific category of waste; • A trip-ticket system should be included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of solid wastes at public filling facilities and landfills, and to control fly tipping. Reference should be made to ETWB TCW No. 31/2004. • Training of site personnel in proper waste management and chemical waste handling procedures; • Separation of chemical wastes for special handling and appropriate treatment at a licensed facility; • Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors; • Provision of sufficient waste disposal points and regular collection for disposal; • Adoption of appropriate measures to minimize windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers; and • Implementation of a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).	During Operation Period	√
6.51	5.13	*Waste Reduction Measures* Good management and control can prevent the generation of significant amounts of waste. It is recommended that the following good operational practices should be adopted to ensure waste reduction: • Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;	During Operation Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		• Encourage collection of aluminum cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separate labelled bins should be provided to help segregate this waste from other general refuse generated by the work force; and • Any unused chemicals or those with remaining functional capacity should be reused as far as practicable.		
6.52	5.14	*Wastes Generated from Pre-Treatment Process* Wastes generated from pre-treatment process should be recycled as far as possible. Wastes generated from pre- treatment process should also be separated from any chemical waste and stored in covered skips. The recyclables should be collected by licensed collectors, while the rest of the waste should be removed from the site on a daily basis to minimize odour, pest and litter impacts. Open burning must be strictly prohibited.	Pre-Treatment Process/ During Operation Period	√
6.53-6.56	5.15-5.18	*Chemical Wastes* • Chemical waste generated from machinery maintenance and servicing should be managed in accordance with Code of Practice on the Packaging, Labelling and storage of Chemical Wastes under the provisions of Waste Disposal (Chemical Waste) (General) Regulation. The chemical waste should be collected by drum-type containers and removed by licensed chemical waste contractors. • Plant / equipment maintenance schedules should be planned in order to minimize the generation of chemical waste. • Non-recyclable chemical wastes and lubricants should be disposed of at appropriate facilities, such as CWTC. Copies or counterfoils from collection receipts issued by the licensed waste collector should be kept for recording purpose. • Recyclable chemical waste will be transported off-site for treatment by a licensed collector. The Contractor will need to register with EPD as a chemical waste producer. Where possible, chemical wastes (e.g. waste lubricants) would be recycled at appropriate facilities, such as Dunwell's oil re-refinery.	Whole Site / During Operation Period	√
6.57-6.58	5.19-5.20	General Refuse • Waste generated in offices should be reduced through segregation and collection of recyclables. To promote the recycling of wastes such as used paper, aluminum cans and plastic bottles, it is recommended that recycling bins should be clearly labelled and placed at locations with easy access. For the collection of recyclable materials, they should be collected by licensed collectors. • General refuse, other than segregated recyclable wastes, should be separated from any chemical waste and stored in covered skips. The general refuse should be removed from the site on a daily basis to minimize odour, pest and litter impacts. Also, open burning of refuse must be strictly prohibited.	Whole Site / During Operation Period	√
E. Proposed Land Contamination Preventive Measures				

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
6.65	5.21 (i)	Fuel Oil Containers •Fuel oil should be stored in suitable containers. •All fuel oil containers should be securely closed. •Appropriate labels showing the name of fuel oil should be posted on the containers. •Drip trays should be provided for all containers.	Fuel Oil Storage Containers /During Operation Period	√
6.65	5.21 (ii)	Storage Area ・Distance between the fuel oil refuelling points and the fuel oil containers should be minimized. ・The storage area should be used for fuel oil storage only. ・No surface water drains or foul sewers should be connected to the storage area. ・The storage area should be enclosed by three sides by a wall and have an impermeable floor or surface.	Fuel Oil Storage Area /During Operation Period	√
6.65	5.21 (iii)	Fuel Oil Spillage Response An Oil Spill Response Plan should be prepared by the operator to document the appropriate response procedures for oil spillage incident in detail. General procedures to be taken in case of fuel oil spillage are presented below. • Training Training on oil spill response actions should be given to relevant staff. The training should cover the followings: - Tools & resources to combat oil spillage and fire, e.g. locations of oil spill handling equipment and firefighting equipment; - General methods to deal with oil spillage and fire incidents; - Procedures for emergency drills in the event of oil spills and fire; and - Regular drills should be carried out. • Communication Establish communication channel with the Fire Services Department (FSD) and EPD to report any oil spillage incident so that necessary assistance from relevant department could be quickly sought. • Response Procedure Any fuel oil spillage within the Project Site should be immediately reported to the Site Manager with necessary details including location, source, possible cause and extent of the spillage Site Manager should immediately attend to the spillage and initiate any appropriate action to confine and clean up the spillage. The response procedures should include the following: - Identify and isolate the source of spillage as soon as possible. - Contain the oil spillage and avoid infiltration into soil / groundwater and	Whole Site / During Operation Phase	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		discharge to storm water channels. - Remove the oil spillage. - Clean up the contaminated area. - If the oil spillage occurs during refuelling, the refuelling operation should immediately be stopped. - Recovered contaminated fuel oil and the associated material to remove the spilled oil should be considered as chemical waste. The handling and disposal procedures for chemical wastes are discussed in the following paragraphs.		
6.66	5.22 (i)	<u>Chemicals and Chemical Wastes Handling & Storage</u> • Chemicals and chemical wastes should only be stored in suitable containers in purpose-built areas. • The storage of chemical wastes should comply with the requirements of the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. • The storage areas for chemicals and chemical wastes should have an impermeable floor or surface. The impermeable floor I surface should possess the following properties: - Not liable to chemically react with the materials and their containers to be stored. - Able to withstand normal loading and physical damage caused by container handling - The integrity and condition of the impermeable floor or surface should be inspected at regular intervals to ensure that it is satisfactorily maintained • For liquid chemicals and chemical wastes storage, the storage area should be bonded to contain at least 110% of the storage capacity of the largest containers or 20% of the total quantity of the chemicals/chemical wastes stored, whichever is the greater. • Storage container should be checked at regular intervals for their structural integrity and to ensure that the caps or fill points are tightly closed. • Chemical handling should be conducted by trained workers under supervision.	Whole Site / During Operation Period	<>
6.66	5.22 (ii)	<u>Chemicals and Chemical Wastes Spillage Response</u> A Chemicals and / or Chemical Wastes Spillage Response Plan should be prepared by the operator to document in detail the appropriate response procedures for chemicals or chemical wastes spillage incidents. General procedures to be undertaken in case of chemicals I chemical waste spillages are presented below • Training • Training on spill response actions should be given to relevant staff. The training should cover the followings:	Whole Site / During Operation Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		- Tools & resources to handle spillage, e.g. locations of spill handling equipment; - General methods to deal with spillage; and - Procedures for emergency drills in the event of spills. • Communication Establish communication channel with Fire Services Department (FSD) and EPD to report the spillage incident so that necessary assistance from relevant department could be quickly sought. • Response Procedures Any spillage within OWTF site should be reported to the Site Manager. Site Manager shall attend to the spillage and initiate any appropriate actions needed to confine and clean up the spillage. The response procedures should include the followings: - Identify and isolate the source of spillage as soon as possible; - Contain the spillage and avoid infiltration into soil / groundwater and discharge to storm water channels (in case the spillage occurs at locations out of the designated storage areas); - Remove the spillage; the removal method / procedures documented in the Material Safety Data Sheet (MSDS) of the chemicals spilled should be observed; - Clean up the contaminated area (in case the spillage occurs at locations out of the designated storage areas); and - The waste arising from the cleanup operation should be considered as chemical wastes.		
6.67 - 6.69	5.23- 5.25	<u>Incident Record</u> • After any spillage, an incident report should be prepared by the Site Manager. The incident report should contain details of the incident including the cause of the incident, the material spilled and estimated spillage amount, and also the response actions undertaken. The incident record should be kept carefully and able to be retrieved when necessary. • The incident report should provide sufficient details for the evaluation of any environmental impacts due to the spillage and assessment of the effectiveness of measures taken. • In case any spillage or accidents results in significant land contamination, EPD should be informed immediately and the Project operator should be responsible for the cleanup of the affected area. The responses procedures described in Sections 6.65 - 6.66 of the EIA Report should be followed accordingly together with the land contamination assessment and remediation guidelines stipulated in the *Guidance*	Whole Site / During Operation Period	√

EIA Ref.	EM&A Log Ref.	Environmental Protection Measures	Location/ Timing	Status
		Manual for Use of Risk-based Remediation Goals for Contaminated Land Management and the *Guidance Note for Contaminated Land Assessment and Remediation*.		
F. Landscape and Visual				
7.98 & Table 7.8	Table 6.2	<u>Operation Phase</u> • Aesthetic design of the facade, including its colour theme, pattern, texture , materials, finishing and associated structures to harmonize with the surrounding settings • Grass / groundcover planting to soften the roof • Heavy standard tree planting to screen proposed associated structures • Grasscrete paving to soften the harshness of large paved surface areas wherever possible	Within Project Area / During Design & Operation Stages	√

Remark:

√ Compliance of Mitigation Measures
<> Compliance of Mitigation but need improvement
x Non-compliance of Mitigation Measures
▲ Non-compliance of Mitigation Measures but rectified by OSCAR Bioenergy JV
Δ Deficiency of Mitigation Measures but rectified by OSCAR Bioenergy JV
N/A Not Applicable in Reporting Period

Annex G

Hourly Average of Parameters Recorded for CAPCS, CHP and ASP

Annex G1

Hourly Average of Parameters Measured in CAPCS

Date	Hour	VOC (including methane) (mg/Nm^3)	Dust (mg/Nm^3)	Odour (OU/Nm^3) (including NH_3 & H_2S)	Remarks *empty cells denote non-operating hours
01-03-2019	12 AM	NA	0.0	120	
01-03-2019	1 AM	NA	0.0	103	
01-03-2019	2 AM	NA	0.0	98	
01-03-2019	3 AM	NA	0.0	107	
01-03-2019	4 AM	NA	0.0	102	
01-03-2019	5 AM	NA	0.0	87	
01-03-2019	6 AM	NA	2.6	85	Dust: Self calibration/ Auto purge data
01-03-2019	7 AM	NA	0.0	93	
01-03-2019	8 AM	NA	0.0	142	
01-03-2019	9 AM	NA	0.0	81	
01-03-2019	10 AM	NA	0.0	76	
01-03-2019	11 AM	NA	0.0	86	
01-03-2019	12 PM	NA	0.0	96	
01-03-2019	1 PM	NA	0.0	88	
01-03-2019	2 PM	NA	2.9	70	Dust: Self calibration/ Auto purge data
01-03-2019	3 PM	NA	0.0	54	
01-03-2019	4 PM	NA	0.0	42	
01-03-2019	5 PM	NA	0.0	37	
01-03-2019	6 PM	NA	0.0	48	
01-03-2019	7 PM	NA	0.0	68	
01-03-2019	8 PM	NA	0.0	78	
01-03-2019	9 PM	NA	0.0	77	
01-03-2019	10 PM	NA	2.8	70	Dust: Self calibration/ Auto purge data
01-03-2019	11 PM	NA	0.0	77	
02-03-2019	12 AM	NA	0.0	76	
02-03-2019	1 AM	NA	0.0	76	
02-03-2019	2 AM	NA	0.0	76	
02-03-2019	3 AM	NA	0.0	75	
02-03-2019	4 AM	NA	0.0	74	
02-03-2019	5 AM	NA	0.0	132	

02-03-2019	6 AM	NA	2.9	269	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
02-03-2019	7 AM	NA	0.0	230	Odour: Manual Dosing of chemical / Dosing System under maintenance
02-03-2019	8 AM	NA	0.0	206	
02-03-2019	9 AM	NA	0.0	179	
02-03-2019	10 AM	NA	0.0	146	
02-03-2019	11 AM	NA	0.0	142	
02-03-2019	12 PM	NA	0.0	142	
02-03-2019	1 PM	NA	0.0	140	
02-03-2019	2 PM	NA	5.8	121	Dust: Self calibration/ Auto purge data
02-03-2019	3 PM	NA	0.0	95	
02-03-2019	4 PM	NA	0.0	83	
02-03-2019	5 PM	NA	0.0	73	
02-03-2019	6 PM	NA	0.0	71	
02-03-2019	7 PM	NA	0.0	71	
02-03-2019	8 PM	NA	0.0	74	
02-03-2019	9 PM	NA	0.0	77	
02-03-2019	10 PM	NA	2.8	82	Dust: Self calibration/ Auto purge data
02-03-2019	11 PM	NA	0.0	93	
03-03-2019	12 AM	NA	0.0	95	
03-03-2019	1 AM	NA	0.0	87	
03-03-2019	2 AM	NA	0.0	86	
03-03-2019	3 AM	NA	0.0	100	
03-03-2019	4 AM	NA	0.0	94	
03-03-2019	5 AM	NA	0.0	93	
03-03-2019	6 AM	NA	5.8	90	Dust: Self calibration/ Auto purge data
03-03-2019	7 AM	NA	0.0	82	
03-03-2019	8 AM	NA	0.0	73	
03-03-2019	9 AM	NA	0.0	78	
03-03-2019	10 AM	NA	0.0	76	

03-03-2019	11 AM	NA	0.0	67	
03-03-2019	12 PM	NA	0.0	71	
03-03-2019	1 PM	NA	0.0	79	
03-03-2019	2 PM	NA	2.6	70	Dust: Self calibration/ Auto purge data
03-03-2019	3 PM	NA	0.0	72	
03-03-2019	4 PM	NA	0.0	75	
03-03-2019	5 PM	NA	0.0	70	
03-03-2019	6 PM	NA	0.0	67	
03-03-2019	7 PM	NA	0.0	63	
03-03-2019	8 PM	NA	0.0	66	
03-03-2019	9 PM	NA	0.0	63	
03-03-2019	10 PM	NA	5.8	60	Dust: Self calibration/ Auto purge data
03-03-2019	11 PM	NA	0.0	64	
04-03-2019	12 AM	NA	0.0	62	
04-03-2019	1 AM	NA	0.0	71	
04-03-2019	2 AM	NA	0.0	72	
04-03-2019	3 AM	NA	0.0	67	
04-03-2019	4 AM	NA	0.0	75	
04-03-2019	5 AM	NA	0.0	77	
04-03-2019	6 AM	NA	2.6	74	Dust: Self calibration/ Auto purge data
04-03-2019	7 AM	NA	0.0	82	
04-03-2019	8 AM	NA	0.0	82	
04-03-2019	9 AM	NA	0.0	79	
04-03-2019	10 AM	NA	0.0	83	
04-03-2019	11 AM	NA	0.0	78	
04-03-2019	12 PM	NA	0.0	74	
04-03-2019	1 PM	NA	0.0	80	
04-03-2019	2 PM	NA	2.9	81	Dust: Self calibration/ Auto purge data
04-03-2019	3 PM	NA	0.0	73	
04-03-2019	4 PM	NA	0.0	72	
04-03-2019	5 PM	NA	0.0	77	
04-03-2019	6 PM	NA	0.0	78	

04-03-2019	7 PM	NA	0.0	76	
04-03-2019	8 PM	NA	0.0	78	
04-03-2019	9 PM	NA	0.0	75	
04-03-2019	10 PM	NA	2.6	76	Dust: Self calibration/ Auto purge data
04-03-2019	11 PM	NA	0.0	73	
05-03-2019	12 AM	NA	0.0	68	
05-03-2019	1 AM	NA	0.0	68	
05-03-2019	2 AM	NA	0.0	67	
05-03-2019	3 AM	NA	0.0	58	
05-03-2019	4 AM	NA	0.0	48	
05-03-2019	5 AM	NA	0.0	50	
05-03-2019	6 AM	NA	2.9	59	Dust: Self calibration/ Auto purge data
05-03-2019	7 AM	NA	0.0	57	
05-03-2019	8 AM	NA	0.0	47	
05-03-2019	9 AM	NA	0.0	60	
05-03-2019	10 AM	NA	0.0	75	
05-03-2019	11 AM	NA	0.0	58	
05-03-2019	12 PM	NA	0.0	45	
05-03-2019	1 PM	NA	0.0	37	
05-03-2019	2 PM	NA	2.6	7	Dust: Self calibration/ Auto purge data
05-03-2019	3 PM	NA	0.0	0	
05-03-2019	4 PM	NA	0.0	0	
05-03-2019	5 PM	NA	0.0	0	
05-03-2019	6 PM	NA	0.0	0	
05-03-2019	7 PM	NA	0.0	0	
05-03-2019	8 PM	NA	0.0	0	
05-03-2019	9 PM	NA	0.0	0	
05-03-2019	10 PM	NA	2.9	0	Dust: Self calibration/ Auto purge data
05-03-2019	11 PM	NA	0.0	0	
06-03-2019	12 AM	NA	0.0	0	
06-03-2019	1 AM	NA	0.0	0	
06-03-2019	2 AM	NA	0.0	0	

06-03-2019	3 AM	NA	0.0	0	
06-03-2019	4 AM	NA	0.0	0	
06-03-2019	5 AM	NA	0.0	0	
06-03-2019	6 AM	NA	2.6	0	Dust: Self calibration/ Auto purge data
06-03-2019	7 AM	NA	0.0	0	
06-03-2019	8 AM	NA	0.0	0	
06-03-2019	9 AM	NA	0.0	0	
06-03-2019	10 AM	NA	0.0	0	
06-03-2019	11 AM	NA	0.0	0	
06-03-2019	12 PM	NA	0.0	0	
06-03-2019	1 PM	NA	0.0	0	
06-03-2019	2 PM	NA	2.9	0	Dust: Self calibration/ Auto purge data
06-03-2019	3 PM	NA	0.0	0	
06-03-2019	4 PM	NA	0.0	0	
06-03-2019	5 PM	NA	0.0	0	
06-03-2019	6 PM	NA	0.0	0	
06-03-2019	7 PM	NA	0.0	0	
06-03-2019	8 PM	NA	0.0	0	
06-03-2019	9 PM	NA	0.0	0	
06-03-2019	10 PM	NA	5.2	0	Dust: Self calibration/ Auto purge data
06-03-2019	11 PM	NA	0.0	0	
07-03-2019	12 AM	NA	0.0	1	
07-03-2019	1 AM	NA	0.0	1	
07-03-2019	2 AM	NA	0.0	0	
07-03-2019	3 AM	NA	0.0	0	
07-03-2019	4 AM	NA	0.0	0	
07-03-2019	5 AM	NA	0.0	0	
07-03-2019	6 AM	NA	2.9	0	Dust: Self calibration/ Auto purge data
07-03-2019	7 AM	NA	0.0	0	
07-03-2019	8 AM	NA	0.0	0	
07-03-2019	9 AM	NA	0.0	0	
07-03-2019	10 AM	NA	0.0	0	

07-03-2019	11 AM	NA	0.0	0	
07-03-2019	12 PM	NA	0.0	0	
07-03-2019	1 PM	NA	0.0	0	
07-03-2019	2 PM	NA	5.2	0	Dust: Self calibration/ Auto purge data
07-03-2019	3 PM	NA	0.0	0	
07-03-2019	4 PM	NA	0.0	0	
07-03-2019	5 PM	NA	0.0	0	
07-03-2019	6 PM	NA	0.0	55	
07-03-2019	7 PM	NA	0.0	125	
07-03-2019	8 PM	NA	0.0	114	
07-03-2019	9 PM	NA	0.0	97	
07-03-2019	10 PM	NA	2.9	78	Dust: Self calibration/ Auto purge data
07-03-2019	11 PM	NA	0.0	63	
08-03-2019	12 AM	NA	0.0	45	
08-03-2019	1 AM	NA	0.0	29	
08-03-2019	2 AM	NA	0.0	25	
08-03-2019	3 AM	NA	0.0	19	
08-03-2019	4 AM	NA	0.0	13	
08-03-2019	5 AM	NA	0.0	12	
08-03-2019	6 AM	NA	2.6	10	Dust: Self calibration/ Auto purge data
08-03-2019	7 AM	NA	0.0	4	
08-03-2019	8 AM	NA	0.0	0	
08-03-2019	9 AM	NA	0.0	0	
08-03-2019	10 AM	NA	0.0	0	
08-03-2019	11 AM	NA	0.0	361	Odour: Manual Dosing of chemical / Dosing System under maintenance
08-03-2019	12 PM	NA	0.0	87	
08-03-2019	1 PM	NA	0.0	71	
08-03-2019	2 PM	NA	2.9	57	Dust: Self calibration/ Auto purge data
08-03-2019	3 PM	NA	0.0	51	
08-03-2019	4 PM	NA	0.0	51	
08-03-2019	5 PM	NA	0.0	46	

08-03-2019	6 PM	NA	0.0	42	
08-03-2019	7 PM	NA	0.0	46	
08-03-2019	8 PM	NA	0.0	41	
08-03-2019	9 PM	NA	0.0	44	
08-03-2019	10 PM	NA	2.9	44	Dust: Self calibration/ Auto purge data
08-03-2019	11 PM	NA	0.0	44	
09-03-2019	12 AM	NA	0.0	42	
09-03-2019	1 AM	NA	0.0	44	
09-03-2019	2 AM	NA	0.0	44	
09-03-2019	3 AM	NA	0.0	46	
09-03-2019	4 AM	NA	0.0	42	
09-03-2019	5 AM	NA	0.0	46	
09-03-2019	6 AM	NA	2.9	44	Dust: Self calibration/ Auto purge data
09-03-2019	7 AM	NA	0.0	56	
09-03-2019	8 AM	NA	0.0	68	
09-03-2019	9 AM	NA	0.0	56	
09-03-2019	10 AM	NA	0.0	52	
09-03-2019	11 AM	NA	0.0	48	
09-03-2019	12 PM	NA	0.0	71	
09-03-2019	1 PM	NA	0.0	75	
09-03-2019	2 PM	NA	2.9	81	Dust: Self calibration/ Auto purge data
09-03-2019	3 PM	NA	0.0	83	
09-03-2019	4 PM	NA	0.0	86	
09-03-2019	5 PM	NA	0.0	92	
09-03-2019	6 PM	NA	0.0	120	
09-03-2019	7 PM	NA	0.0	121	
09-03-2019	8 PM	NA	0.0	105	
09-03-2019	9 PM	NA	0.0	230	Odour: Manual Dosing of chemical / Dosing System under maintenance
09-03-2019	10 PM	NA	2.6	209	Dust: Self calibration/ Auto purge data
09-03-2019	11 PM	NA	0.0	185	

10-03-2019	12 AM	NA	0.0	251	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	1 AM	NA	0.0	233	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	2 AM	NA	0.0	209	
10-03-2019	3 AM	NA	0.0	219	
10-03-2019	4 AM	NA	0.0	240	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	5 AM	NA	0.0	213	
10-03-2019	6 AM	NA	2.9	294	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	7 AM	NA	0.0	274	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	8 AM	NA	0.0	236	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	9 AM	NA	0.0	277	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	10 AM	NA	0.0	271	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	11 AM	NA	0.0	263	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	12 PM	NA	0.0	402	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	1 PM	NA	0.0	379	Odour: Manual Dosing of chemical / Dosing System under maintenance
10-03-2019	2 PM	NA	5.2	155	Dust: Self calibration/ Auto purge data
10-03-2019	3 PM	NA	0.0	135	
10-03-2019	4 PM	NA	0.0	132	
10-03-2019	5 PM	NA	0.0	108	
10-03-2019	6 PM	NA	0.0	111	
10-03-2019	7 PM	NA	0.0	112	

10-03-2019	8 PM	NA	0.0	117	
10-03-2019	9 PM	NA	0.0	141	
10-03-2019	10 PM	NA	2.9	98	Dust: Self calibration/ Auto purge data
10-03-2019	11 PM	NA	0.0	86	
11-03-2019	12 AM	NA	0.0	80	
11-03-2019	1 AM	NA	0.0	79	
11-03-2019	2 AM	NA	0.0	86	
11-03-2019	3 AM	NA	0.0	75	
11-03-2019	4 AM	NA	0.0	80	
11-03-2019	5 AM	NA	0.0	88	
11-03-2019	6 AM	NA	5.2	102	Dust: Self calibration/ Auto purge data
11-03-2019	7 AM	NA	0.0	108	
11-03-2019	8 AM	NA	0.0	108	
11-03-2019	9 AM	NA	0.0	108	
11-03-2019	10 AM	NA	0.0	104	
11-03-2019	11 AM	NA	0.0	86	
11-03-2019	12 PM	NA	0.0	86	
11-03-2019	1 PM	NA	0.0	64	
11-03-2019	2 PM	NA	2.9	76	Dust: Self calibration/ Auto purge data
11-03-2019	3 PM	NA	0.0	97	
11-03-2019	4 PM	NA	0.0	120	
11-03-2019	5 PM	NA	0.0	157	
11-03-2019	6 PM	NA	0.0	207	
11-03-2019	7 PM	NA	0.0	376	Odour: Manual Dosing of chemical / Dosing System under maintenance
11-03-2019	8 PM	NA	0.0	411	Odour: Manual Dosing of chemical / Dosing System under maintenance
11-03-2019	9 PM	NA	0.0	443	Odour: Manual Dosing of chemical / Dosing System under maintenance
11-03-2019	10 PM	NA	2.6	370	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance

11-03-2019	11 PM	NA	0.0	430	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	12 AM	NA	0.0	534	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	1 AM	NA	0.0	495	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	2 AM	NA	0.0	543	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	3 AM	NA	0.0	600	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	4 AM	NA	0.0	497	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	5 AM	NA	0.0	476	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	6 AM	NA	2.9	530	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	7 AM	NA	0.0	492	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	8 AM	NA	0.0	598	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	9 AM	NA	0.0	316	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	10 AM	NA	0.0	167	
12-03-2019	11 AM	NA	0.0	102	
12-03-2019	12 PM	NA	0.0	26	
12-03-2019	1 PM	NA	0.0	78	
12-03-2019	2 PM	NA	2.6	120	Dust: Self calibration/ Auto purge data
12-03-2019	3 PM	NA	0.0	152	
12-03-2019	4 PM	NA	0.0	141	
12-03-2019	5 PM	NA	0.0	157	
12-03-2019	6 PM	NA	0.0	152	

12-03-2019	7 PM	NA	0.0	288	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	8 PM	NA	0.0	309	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	9 PM	NA	0.0	390	Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	10 PM	NA	2.9	416	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
12-03-2019	11 PM	NA	0.0	743	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	12 AM	NA	0.0	504	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	1 AM	NA	0.0	285	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	2 AM	NA	0.0	261	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	3 AM	NA	0.0	242	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	4 AM	NA	0.0	712	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	5 AM	NA	0.0	1665	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	6 AM	NA	2.6	1904	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	7 AM	NA	0.0	1778	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	8 AM	NA	0.0	1953	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	9 AM	NA	0.0	2447	Odour: Manual Dosing of chemical / Dosing System under maintenance

13-03-2019	10 AM	NA	0.0	2004	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	11 AM	NA	0.0	2311	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	12 PM	NA	0.0	2539	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	1 PM	NA	0.0	2578	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	2 PM	NA	2.9	2107	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	3 PM	NA	0.0	2156	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	4 PM	NA	0.0	1201	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	5 PM	NA	0.0	450	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	6 PM	NA	0.0	459	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	7 PM	NA	0.0	577	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	8 PM	NA	0.0	842	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	9 PM	NA	0.0	833	Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	10 PM	NA	2.6	783	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
13-03-2019	11 PM	NA	0.0	460	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	12 AM	NA	0.0	328	Odour: Manual Dosing of chemical / Dosing System under maintenance

14-03-2019	1 AM	NA	0.0	369	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	2 AM	NA	0.0	309	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	3 AM	NA	0.0	334	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	4 AM	NA	0.0	292	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	5 AM	NA	0.0	282	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	6 AM	NA	2.9	369	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	7 AM	NA	0.0	374	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	8 AM	NA	0.0	406	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	9 AM	NA	0.0	538	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	10 AM	NA	0.0	454	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	11 AM	NA	0.0	349	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	12 PM	NA	0.0	349	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	1 PM	NA	0.0	465	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	2 PM	NA	2.6	736	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	3 PM	NA	0.0	721	Odour: Manual Dosing of chemical / Dosing System under maintenance

14-03-2019	4 PM	NA	0.0	604	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	5 PM	NA	0.0	489	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	6 PM	NA	0.0	458	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	7 PM	NA	0.0	412	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	8 PM	NA	0.0	423	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	9 PM	NA	0.0	352	Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	10 PM	NA	5.8	296	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
14-03-2019	11 PM	NA	0.0	231	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	12 AM	NA	0.0	247	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	1 AM	NA	0.0	236	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	2 AM	NA	0.0	263	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	3 AM	NA	0.0	290	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	4 AM	NA	0.0	748	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	5 AM	NA	0.0	1816	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	6 AM	NA	2.6	2106	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance

15-03-2019	7 AM	NA	0.0	1732	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	8 AM	NA	0.0	1395	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	9 AM	NA	0.0	1802	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	10 AM	NA	0.0	1422	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	11 AM	NA	0.0	1390	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	12 PM	NA	0.0	1203	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	1 PM	NA	0.0	668	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	2 PM	NA	5.8	257	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	3 PM	NA	0.0	236	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	4 PM	NA	0.0	270	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	5 PM	NA	0.0	250	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	6 PM	NA	0.0	194	
15-03-2019	7 PM	NA	0.0	204	
15-03-2019	8 PM	NA	0.0	281	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	9 PM	NA	0.0	985	Odour: Manual Dosing of chemical / Dosing System under maintenance
15-03-2019	10 PM	NA	2.8	655	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance

15-03-2019	11 PM	NA	0.0	488	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	12 AM	NA	0.0	360	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	1 AM	NA	0.0	416	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	2 AM	NA	0.0	447	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	3 AM	NA	0.0	500	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	4 AM	NA	0.0	485	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	5 AM	NA	0.0	317	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	6 AM	NA	2.9	272	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	7 AM	NA	0.0	302	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	8 AM	NA	0.0	303	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	9 AM	NA	0.0	223	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	10 AM	NA	0.0	215	
16-03-2019	11 AM	NA	0.0	72	
16-03-2019	12 PM	NA	0.0	181	
16-03-2019	1 PM	NA	0.0	332	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	2 PM	NA	2.9	251	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance

16-03-2019	3 PM	NA	0.0	258	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	4 PM	NA	0.0	434	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	5 PM	NA	0.0	355	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	6 PM	NA	0.0	319	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	7 PM	NA	0.0	329	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	8 PM	NA	0.0	751	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	9 PM	NA	0.0	708	Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	10 PM	NA	2.6	699	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
16-03-2019	11 PM	NA	0.0	1276	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	12 AM	NA	0.0	1593	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	1 AM	NA	0.0	768	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	2 AM	NA	0.0	910	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	3 AM	NA	0.0	2417	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	4 AM	NA	0.0	2325	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	5 AM	NA	0.0	2828	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	6 AM	NA	2.9	2247	Dust: Self calibration/ Auto purge data

					Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	7 AM	NA	0.0	2043	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	8 AM	NA	0.0	1720	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	9 AM	NA	0.0	2118	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	10 AM	NA	0.0	1780	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	11 AM	NA	0.0	1299	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	12 PM	NA	0.0	453	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	1 PM	NA	0.0	521	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	2 PM	NA	2.6	793	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	3 PM	NA	0.0	1052	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	4 PM	NA	0.0	798	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	5 PM	NA	0.0	2655	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	6 PM	NA	0.0	2894	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	7 PM	NA	0.0	2850	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	8 PM	NA	0.0	3182	Odour: Manual Dosing of chemical / Dosing System under maintenance

17-03-2019	9 PM	NA	0.0	2475	Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	10 PM	NA	2.9	2678	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
17-03-2019	11 PM	NA	0.0	2750	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	12 AM	NA	0.0	3229	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	1 AM	NA	0.0	2552	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	2 AM	NA	0.0	1526	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	3 AM	NA	0.0	746	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	4 AM	NA	0.0	499	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	5 AM	NA	0.0	552	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	6 AM	NA	2.6	454	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	7 AM	NA	0.0	278	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	8 AM	NA	0.0	318	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	9 AM	NA	0.0	320	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	10 AM	NA	0.0	232	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	11 AM	NA	0.0	195	
18-03-2019	12 PM	NA	0.0	175	

18-03-2019	1 PM	NA	0.0	436	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	2 PM	NA	5.8	1237	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	3 PM	NA	0.0	700	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	4 PM	NA	0.0	471	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	5 PM	NA	0.0	363	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	6 PM	NA	0.0	432	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	7 PM	NA	0.0	357	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	8 PM	NA	0.0	357	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	9 PM	NA	0.0	365	Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	10 PM	NA	2.6	783	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
18-03-2019	11 PM	NA	0.0	2335	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	12 AM	NA	0.0	1661	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	1 AM	NA	0.0	257	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	2 AM	NA	0.0	1442	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	3 AM	NA	0.0	2021	Odour: Manual Dosing of chemical / Dosing System under maintenance

19-03-2019	4 AM	NA	0.0	1890	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	5 AM	NA	0.0	2154	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	6 AM	NA	5.8	1685	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	7 AM	NA	0.0	1901	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	8 AM	NA	0.0	1646	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	9 AM	NA	0.0	969	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	10 AM	NA	0.0	1103	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	11 AM	NA	0.0	353	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	12 PM	NA	0.0	306	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	1 PM	NA	0.0	323	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	2 PM	NA	2.6	653	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	3 PM	NA	0.0	518	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	4 PM	NA	0.0	437	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	5 PM	NA	0.0	404	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	6 PM	NA	0.0	441	Odour: Manual Dosing of chemical / Dosing System under maintenance

19-03-2019	7 PM	NA	0.0	351	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	8 PM	NA	0.0	391	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	9 PM	NA	0.0	271	Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	10 PM	NA	5.8	280	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
19-03-2019	11 PM	NA	0.0	1048	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	12 AM	NA	0.0	693	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	1 AM	NA	0.0	274	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	2 AM	NA	0.0	220	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	3 AM	NA	0.0	697	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	4 AM	NA	0.0	1108	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	5 AM	NA	0.0	349	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	6 AM	NA	2.6	1550	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	7 AM	NA	0.0	1804	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	8 AM	NA	0.0	1662	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	9 AM	NA	0.0	1629	Odour: Manual Dosing of chemical / Dosing System under maintenance

20-03-2019	10 AM	NA	0.0	2039	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	11 AM	NA	0.0	2005	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	12 PM	NA	0.0	585	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	1 PM	NA	0.0	16	
20-03-2019	2 PM	NA	5.8	174	Dust: Self calibration/ Auto purge data
20-03-2019	3 PM	NA	0.0	280	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	4 PM	NA	0.0	151	
20-03-2019	5 PM	NA	0.0	123	
20-03-2019	6 PM	NA	0.0	270	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	7 PM	NA	0.0	395	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	8 PM	NA	0.0	225	Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	9 PM	NA	0.0	94	
20-03-2019	10 PM	NA	2.6	275	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
20-03-2019	11 PM	NA	0.0	217	
21-03-2019	12 AM	NA	0.0	157	
21-03-2019	1 AM	NA	0.0	5	
21-03-2019	2 AM	NA	0.0	70	
21-03-2019	3 AM	NA	0.0	107	
21-03-2019	4 AM	NA	0.0	406	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	5 AM	NA	0.0	194	
21-03-2019	6 AM	NA	5.8	1193	Dust: Self calibration/ Auto purge data

					Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	7 AM	NA	0.0	1086	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	8 AM	NA	0.0	1217	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	9 AM	NA	0.0	1088	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	10 AM	NA	0.0	1197	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	11 AM	NA	0.0	1296	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	12 PM	NA	0.0	961	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	1 PM	NA	0.0	1201	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	2 PM	NA	2.6	536	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	3 PM	NA	0.0	691	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	4 PM	NA	0.0	1138	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	5 PM	NA	0.0	386	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	6 PM	NA	0.0	347	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	7 PM	NA	0.0	698	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	8 PM	NA	0.0	803	Odour: Manual Dosing of chemical / Dosing System under maintenance

21-03-2019	9 PM	NA	0.0	1019	Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	10 PM	NA	2.9	1387	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
21-03-2019	11 PM	NA	0.0	1950	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	12 AM	NA	0.0	1240	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	1 AM	NA	0.0	1086	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	2 AM	NA	0.0	1633	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	3 AM	NA	0.0	2587	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	4 AM	NA	0.0	2659	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	5 AM	NA	0.0	2502	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	6 AM	NA	2.6	1680	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	7 AM	NA	0.0	461	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	8 AM	NA	0.0	279	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	9 AM	NA	0.0	262	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	10 AM	NA	0.0	263	Odour: Manual Dosing of chemical / Dosing System under maintenance
22-03-2019	11 AM	NA	0.0	318	Odour: Manual Dosing of chemical / Dosing System under maintenance

22-03-2019	12 PM	NA	0.0	0	
22-03-2019	1 PM	NA	0.0	0	
22-03-2019	2 PM	NA	2.9	0	Dust: Self calibration/ Auto purge data
22-03-2019	3 PM	NA	0.0	0	
22-03-2019	4 PM	NA	0.0	0	
22-03-2019	5 PM	NA	0.0	0	
22-03-2019	6 PM	NA	0.0	0	
22-03-2019	7 PM	NA	0.0	0	
22-03-2019	8 PM	NA	0.0	0	
22-03-2019	9 PM	NA	0.0	0	
22-03-2019	10 PM	NA	2.8	0	Dust: Self calibration/ Auto purge data
22-03-2019	11 PM	NA	0.0	0	
23-03-2019	12 AM	NA	0.0	0	
23-03-2019	1 AM	NA	0.0	0	
23-03-2019	2 AM	NA	0.0	0	
23-03-2019	3 AM	NA	0.0	0	
23-03-2019	4 AM	NA	0.0	0	
23-03-2019	5 AM	NA	0.0	0	
23-03-2019	6 AM	NA	2.9	0	Dust: Self calibration/ Auto purge data
23-03-2019	7 AM	NA	0.0	0	
23-03-2019	8 AM	NA	0.0	0	
23-03-2019	9 AM	NA	0.0	0	
23-03-2019	10 AM	NA	0.0	0	
23-03-2019	11 AM	NA	0.0	0	
23-03-2019	12 PM	NA	0.0	0	
23-03-2019	1 PM	NA	0.0	0	
23-03-2019	2 PM	NA	2.9	0	Dust: Self calibration/ Auto purge data
23-03-2019	3 PM	NA	0.0	0	
23-03-2019	4 PM	NA	0.0	0	
23-03-2019	5 PM	NA	0.0	0	
23-03-2019	6 PM	NA	0.0	0	
23-03-2019	7 PM	NA	0.0	0	

23-03-2019	8 PM	NA	0.0	0	
23-03-2019	9 PM	NA	0.0	0	
23-03-2019	10 PM	NA	2.8	0	Dust: Self calibration/ Auto purge data
23-03-2019	11 PM	NA	0.0	0	
24-03-2019	12 AM	NA	0.0	0	
24-03-2019	1 AM	NA	0.0	0	
24-03-2019	2 AM	NA	0.0	0	
24-03-2019	3 AM	NA	0.0	0	
24-03-2019	4 AM	NA	0.0	0	
24-03-2019	5 AM	NA	0.0	0	
24-03-2019	6 AM	NA	5.8	0	Dust: Self calibration/ Auto purge data
24-03-2019	7 AM	NA	0.0	0	
24-03-2019	8 AM	NA	0.0	0	
24-03-2019	9 AM	NA	0.0	0	
24-03-2019	10 AM	NA	0.0	0	
24-03-2019	11 AM	NA	0.0	0	
24-03-2019	12 PM	NA	0.0	0	
24-03-2019	1 PM	NA	0.0	0	
24-03-2019	2 PM	NA	2.6	0	Dust: Self calibration/ Auto purge data
24-03-2019	3 PM	NA	0.0	0	
24-03-2019	4 PM	NA	0.0	0	
24-03-2019	5 PM	NA	0.0	0	
24-03-2019	6 PM	NA	0.0	0	
24-03-2019	7 PM	NA	0.0	0	
24-03-2019	8 PM	NA	0.0	0	
24-03-2019	9 PM	NA	0.0	0	
24-03-2019	10 PM	NA	5.8	0	Dust: Self calibration/ Auto purge data
24-03-2019	11 PM	NA	0.0	0	
25-03-2019	12 AM	NA	0.0	0	
25-03-2019	1 AM	NA	0.0	0	
25-03-2019	2 AM	NA	0.0	0	
25-03-2019	3 AM	NA	0.0	0	

25-03-2019	4 AM	NA	0.0	0	
25-03-2019	5 AM	NA	0.0	0	
25-03-2019	6 AM	NA	2.6	0	Dust: Self calibration/ Auto purge data
25-03-2019	7 AM	NA	0.0	0	
25-03-2019	8 AM	NA	0.0	0	
25-03-2019	9 AM	NA	0.0	0	
25-03-2019	10 AM	NA	0.0	0	
25-03-2019	11 AM	NA	0.0	0	
25-03-2019	12 PM	NA	0.0	86	
25-03-2019	1 PM	NA	0.0	423	Odour: Manual Dosing of chemical / Dosing System under maintenance
25-03-2019	2 PM	NA	2.9	438	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
25-03-2019	3 PM	NA	0.0	611	Odour: Manual Dosing of chemical / Dosing System under maintenance
25-03-2019	4 PM	NA	0.0	416	Odour: Manual Dosing of chemical / Dosing System under maintenance
25-03-2019	5 PM	NA	0.0	313	Odour: Manual Dosing of chemical / Dosing System under maintenance
25-03-2019	6 PM	NA	0.0	164	
25-03-2019	7 PM	NA	0.0	2	
25-03-2019	8 PM	NA	0.0	0	
25-03-2019	9 PM	NA	0.0	0	
25-03-2019	10 PM	NA	2.6	0	Dust: Self calibration/ Auto purge data
25-03-2019	11 PM	NA	0.0	0	
26-03-2019	12 AM	NA	0.0	0	
26-03-2019	1 AM	NA	0.0	0	
26-03-2019	2 AM	NA	0.0	0	
26-03-2019	3 AM	NA	0.0	0	
26-03-2019	4 AM	NA	0.0	0	
26-03-2019	5 AM	NA	0.0	0	

26-03-2019	6 AM	NA	2.9	0	Dust: Self calibration/ Auto purge data
26-03-2019	7 AM	NA	0.0	0	
26-03-2019	8 AM	NA	0.0	0	
26-03-2019	9 AM	NA	0.0	0	
26-03-2019	10 AM	NA	0.0	0	
26-03-2019	11 AM	NA	0.0	0	
26-03-2019	12 PM	NA	0.0	0	
26-03-2019	1 PM	NA	0.0	0	
26-03-2019	2 PM	NA	2.6	0	Dust: Self calibration/ Auto purge data
26-03-2019	3 PM	NA	0.0	0	
26-03-2019	4 PM	NA	0.0	0	
26-03-2019	5 PM	NA	0.0	0	
26-03-2019	6 PM	NA	0.0	0	
26-03-2019	7 PM	NA	0.0	0	
26-03-2019	8 PM	NA	0.0	0	
26-03-2019	9 PM	NA	0.0	0	
26-03-2019	10 PM	NA	2.9	0	Dust: Self calibration/ Auto purge data
26-03-2019	11 PM	NA	0.0	0	
27-03-2019	12 AM	NA	0.0	0	
27-03-2019	1 AM	NA	0.0	0	
27-03-2019	2 AM	NA	0.0	0	
27-03-2019	3 AM	NA	0.0	0	
27-03-2019	4 AM	NA	0.0	0	
27-03-2019	5 AM	NA	0.0	0	
27-03-2019	6 AM	NA	2.6	0	Dust: Self calibration/ Auto purge data
27-03-2019	7 AM	NA	0.0	0	
27-03-2019	8 AM	NA	0.0	0	
27-03-2019	9 AM	NA	0.0	0	
27-03-2019	10 AM	NA	0.0	0	
27-03-2019	11 AM	NA	0.0	0	
27-03-2019	12 PM	NA	0.0	39	
27-03-2019	1 PM	NA	0.0	60	

27-03-2019	2 PM	NA	2.9	94	Dust: Self calibration/ Auto purge data
27-03-2019	3 PM	NA	0.0	110	
27-03-2019	4 PM	NA	0.0	384	Odour: Manual Dosing of chemical / Dosing System under maintenance
27-03-2019	5 PM	NA	0.0	709	Odour: Manual Dosing of chemical / Dosing System under maintenance
27-03-2019	6 PM	NA	0.0	135	
27-03-2019	7 PM	NA	0.0	0	
27-03-2019	8 PM	NA	0.0	0	
27-03-2019	9 PM	NA	0.0	0	
27-03-2019	10 PM	NA	5.2	0	Dust: Self calibration/ Auto purge data
27-03-2019	11 PM	NA	0.0	0	
28-03-2019	12 AM	NA	0.0	404	Odour: Manual Dosing of chemical / Dosing System under maintenance
28-03-2019	1 AM	NA	0.0	199	
28-03-2019	2 AM	NA	0.0	0	
28-03-2019	3 AM	NA	0.0	0	
28-03-2019	4 AM	NA	0.0	0	
28-03-2019	5 AM	NA	0.0	0	
28-03-2019	6 AM	NA	2.9	0	Dust: Self calibration/ Auto purge data
28-03-2019	7 AM	NA	0.0	0	
28-03-2019	8 AM	NA	0.0	0	
28-03-2019	9 AM	NA	0.0	0	
28-03-2019	10 AM	NA	0.0	0	
28-03-2019	11 AM	NA	0.0	0	
28-03-2019	12 PM	NA	0.0	0	
28-03-2019	1 PM	NA	0.0	0	
28-03-2019	2 PM	NA	5.2	0	Dust: Self calibration/ Auto purge data
28-03-2019	3 PM	NA	0.0	0	
28-03-2019	4 PM	NA	0.0	0	
28-03-2019	5 PM	NA	0.0	0	
28-03-2019	6 PM	NA	0.0	0	

28-03-2019	7 PM	NA	0.0	0	
28-03-2019	8 PM	NA	0.0	0	
28-03-2019	9 PM	NA	0.0	0	
28-03-2019	10 PM	NA	2.9	3	Dust: Self calibration/ Auto purge data
28-03-2019	11 PM	NA	0.0	0	
29-03-2019	12 AM	NA	0.0	0	
29-03-2019	1 AM	NA	0.0	13	
29-03-2019	2 AM	NA	0.0	10	
29-03-2019	3 AM	NA	0.0	72	
29-03-2019	4 AM	NA	0.0	621	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	5 AM	NA	0.0	629	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	6 AM	NA	5.2	709	Dust: Self calibration/ Auto purge data Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	7 AM	NA	0.0	769	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	8 AM	NA	0.0	629	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	9 AM	NA	0.0	1000	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	10 AM	NA	0.0	567	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	11 AM	NA	0.0	21	
29-03-2019	12 PM	NA	0.0	202	
29-03-2019	1 PM	NA	0.0	13	
29-03-2019	2 PM	NA	2.9	179	Dust: Self calibration/ Auto purge data
29-03-2019	3 PM	NA	0.0	232	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	4 PM	NA	0.0	230	Odour: Manual Dosing of chemical / Dosing System under maintenance

29-03-2019	5 PM	NA	0.0	288	Odour: Manual Dosing of chemical / Dosing System under maintenance
29-03-2019	6 PM	NA	0.0	132	
29-03-2019	7 PM	NA	0.0	10	
29-03-2019	8 PM	NA	0.0	86	
29-03-2019	9 PM	NA	0.0	183	
29-03-2019	10 PM	NA	2.8	49	Dust: Self calibration/ Auto purge data
29-03-2019	11 PM	NA	0.0	0	
30-03-2019	12 AM	NA	0.0	0	
30-03-2019	1 AM	NA	0.0	0	
30-03-2019	2 AM	NA	0.0	0	
30-03-2019	3 AM	NA	0.0	0	
30-03-2019	4 AM	NA	0.0	0	
30-03-2019	5 AM	NA	0.0	0	
30-03-2019	6 AM	NA	2.9	0	Dust: Self calibration/ Auto purge data
30-03-2019	7 AM	NA	0.0	0	
30-03-2019	8 AM	NA	0.0	0	
30-03-2019	9 AM	NA	0.0	12	
30-03-2019	10 AM	NA	0.0	45	
30-03-2019	11 AM	NA	0.0	172	
30-03-2019	12 PM	NA	0.0	279	Odour: Manual Dosing of chemical / Dosing System under maintenance
30-03-2019	1 PM	NA	0.0	93	
30-03-2019	2 PM	NA	2.9	213	Dust: Self calibration/ Auto purge data
30-03-2019	3 PM	NA	0.0	242	Odour: Manual Dosing of chemical / Dosing System under maintenance
30-03-2019	4 PM	NA	0.0	83	
30-03-2019	5 PM	NA	0.0	89	
30-03-2019	6 PM	NA	0.0	429	Odour: Manual Dosing of chemical / Dosing System under maintenance
30-03-2019	7 PM	NA	0.0	249	Odour: Manual Dosing of chemical / Dosing System under maintenance

30-03-2019	8 PM	NA	0.0	74	
30-03-2019	9 PM	NA	0.0	81	
30-03-2019	10 PM	NA	2.8	97	Dust: Self calibration/ Auto purge data
30-03-2019	11 PM	NA	0.0	88	
31-03-2019	12 AM	NA	0.0	157	
31-03-2019	1 AM	NA	0.0	648	Odour: Manual Dosing of chemical / Dosing System under maintenance
31-03-2019	2 AM	NA	0.0	902	Odour: Manual Dosing of chemical / Dosing System under maintenance
31-03-2019	3 AM	NA	0.0	9	
31-03-2019	4 AM	NA	0.0	0	
31-03-2019	5 AM	NA	0.0	0	
31-03-2019	6 AM	NA	2.9	0	Dust: Self calibration/ Auto purge data
31-03-2019	7 AM	NA	0.0	0	
31-03-2019	8 AM	NA	0.0	0	
31-03-2019	9 AM	NA	0.0	0	
31-03-2019	10 AM	NA	0.0	0	
31-03-2019	11 AM	NA	0.0	0	
31-03-2019	12 PM	NA	0.0	0	
31-03-2019	1 PM	NA	0.0	0	
31-03-2019	2 PM	NA	2.6	0	Dust: Self calibration/ Auto purge data
31-03-2019	3 PM	NA	0.0	0	
31-03-2019	4 PM	NA	0.0	0	
31-03-2019	5 PM	NA	0.0	0	
31-03-2019	6 PM	NA	0.0	0	
31-03-2019	7 PM	NA	0.0	0	
31-03-2019	8 PM	NA	0.0	0	
31-03-2019	9 PM	NA	0.0	0	
31-03-2019	10 PM	NA	2.9	0	Dust: Self calibration/ Auto purge data
31-03-2019	11 PM	NA	0.0	0	

Annex G2

Hourly Average of Parameters Measured in CHP 1

Date	Hour	CHP 1 Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO_2	NMVOCs	VOC (including methane)	HCl	HF	
01-03-2019	12 AM	-	-	-	-	-	-	-	-	
01-03-2019	1 AM	-	-	-	-	-	-	-	-	
01-03-2019	2 AM	-	-	-	-	-	-	-	-	
01-03-2019	3 AM	-	-	-	-	-	-	-	-	
01-03-2019	4 AM	-	-	-	-	-	-	-	-	
01-03-2019	5 AM	0	357	251	34	NA	NA	0	0	
01-03-2019	6 AM	-	-	-	-	-	-	-	-	
01-03-2019	7 AM	-	-	-	-	-	-	-	-	
01-03-2019	8 AM	0	334	351	25	NA	NA	0	0.5	Start up
01-03-2019	9 AM	-	-	-	-	-	-	-	-	
01-03-2019	10 AM	-	-	-	-	-	-	-	-	
01-03-2019	11 AM	-	-	-	-	-	-	-	-	
01-03-2019	12 PM	-	-	-	-	-	-	-	-	
01-03-2019	1 PM	-	-	-	-	-	-	-	-	
01-03-2019	2 PM	-	-	-	-	-	-	-	-	
01-03-2019	3 PM	-	-	-	-	-	-	-	-	
01-03-2019	4 PM	-	-	-	-	-	-	-	-	
01-03-2019	5 PM	-	-	-	-	-	-	-	-	
01-03-2019	6 PM	-	-	-	-	-	-	-	-	
01-03-2019	7 PM	-	-	-	-	-	-	-	-	
01-03-2019	8 PM	-	-	-	-	-	-	-	-	
01-03-2019	9 PM	-	-	-	-	-	-	-	-	
01-03-2019	10 PM	-	-	-	-	-	-	-	-	
01-03-2019	11 PM	-	-	-	-	-	-	-	-	
02-03-2019	12 AM	-	-	-	-	-	-	-	-	

02-03-2019	1 AM	-	-	-	-	-	-	-	-	
02-03-2019	2 AM	-	-	-	-	-	-	-	-	
02-03-2019	3 AM	-	-	-	-	-	-	-	-	
02-03-2019	4 AM	-	-	-	-	-	-	-	-	
02-03-2019	5 AM	-	-	-	-	-	-	-	-	
02-03-2019	6 AM	-	-	-	-	-	-	-	-	
02-03-2019	7 AM	-	-	-	-	-	-	-	-	
02-03-2019	8 AM	-	-	-	-	-	-	-	-	
02-03-2019	9 AM	-	-	-	-	-	-	-	-	
02-03-2019	10 AM	-	-	-	-	-	-	-	-	
02-03-2019	11 AM	-	-	-	-	-	-	-	-	
02-03-2019	12 PM	-	-	-	-	-	-	-	-	
02-03-2019	1 PM	-	-	-	-	-	-	-	-	
02-03-2019	2 PM	-	-	-	-	-	-	-	-	
02-03-2019	3 PM	-	-	-	-	-	-	-	-	
02-03-2019	4 PM	-	-	-	-	-	-	-	-	
02-03-2019	5 PM	-	-	-	-	-	-	-	-	
02-03-2019	6 PM	-	-	-	-	-	-	-	-	
02-03-2019	7 PM	-	-	-	-	-	-	-	-	
02-03-2019	8 PM	-	-	-	-	-	-	-	-	
02-03-2019	9 PM	-	-	-	-	-	-	-	-	
02-03-2019	10 PM	-	-	-	-	-	-	-	-	
02-03-2019	11 PM	-	-	-	-	-	-	-	-	
03-03-2019	12 AM	-	-	-	-	-	-	-	-	
03-03-2019	1 AM	-	-	-	-	-	-	-	-	
03-03-2019	2 AM	-	-	-	-	-	-	-	-	
03-03-2019	3 AM	-	-	-	-	-	-	-	-	
03-03-2019	4 AM	-	-	-	-	-	-	-	-	
03-03-2019	5 AM	-	-	-	-	-	-	-	-	

03-03-2019	6 AM	-	-	-	-	-	-	-	-	
03-03-2019	7 AM	-	-	-	-	-	-	-	-	
03-03-2019	8 AM	-	-	-	-	-	-	-	-	
03-03-2019	9 AM	-	-	-	-	-	-	-	-	
03-03-2019	10 AM	-	-	-	-	-	-	-	-	
03-03-2019	11 AM	-	-	-	-	-	-	-	-	
03-03-2019	12 PM	-	-	-	-	-	-	-	-	
03-03-2019	1 PM	-	-	-	-	-	-	-	-	
03-03-2019	2 PM	-	-	-	-	-	-	-	-	
03-03-2019	3 PM	-	-	-	-	-	-	-	-	
03-03-2019	4 PM	-	-	-	-	-	-	-	-	
03-03-2019	5 PM	-	-	-	-	-	-	-	-	
03-03-2019	6 PM	-	-	-	-	-	-	-	-	
03-03-2019	7 PM	-	-	-	-	-	-	-	-	
03-03-2019	8 PM	-	-	-	-	-	-	-	-	
03-03-2019	9 PM	-	-	-	-	-	-	-	-	
03-03-2019	10 PM	-	-	-	-	-	-	-	-	
03-03-2019	11 PM	-	-	-	-	-	-	-	-	
04-03-2019	12 AM	-	-	-	-	-	-	-	-	
04-03-2019	1 AM	-	-	-	-	-	-	-	-	
04-03-2019	2 AM	-	-	-	-	-	-	-	-	
04-03-2019	3 AM	-	-	-	-	-	-	-	-	
04-03-2019	4 AM	-	-	-	-	-	-	-	-	
04-03-2019	5 AM	-	-	-	-	-	-	-	-	
04-03-2019	6 AM	-	-	-	-	-	-	-	-	
04-03-2019	7 AM	-	-	-	-	-	-	-	-	
04-03-2019	8 AM	-	-	-	-	-	-	-	-	
04-03-2019	9 AM	0	172	413	7	NA	NA	0	0.5	Start up
04-03-2019	10 AM	0	184	120	6	NA	NA	0	0	Start up

04-03-2019	11 AM	-	-	-	-	-	-	-	-	
04-03-2019	12 PM	-	-	-	-	-	-	-	-	
04-03-2019	1 PM	-	-	-	-	-	-	-	-	
04-03-2019	2 PM	-	-	-	-	-	-	-	-	
04-03-2019	3 PM	-	-	-	-	-	-	-	-	
04-03-2019	4 PM	-	-	-	-	-	-	-	-	
04-03-2019	5 PM	-	-	-	-	-	-	-	-	
04-03-2019	6 PM	-	-	-	-	-	-	-	-	
04-03-2019	7 PM	-	-	-	-	-	-	-	-	
04-03-2019	8 PM	-	-	-	-	-	-	-	-	
04-03-2019	9 PM	-	-	-	-	-	-	-	-	
04-03-2019	10 PM	-	-	-	-	-	-	-	-	
04-03-2019	11 PM	-	-	-	-	-	-	-	-	
05-03-2019	12 AM	-	-	-	-	-	-	-	-	
05-03-2019	1 AM	-	-	-	-	-	-	-	-	
05-03-2019	2 AM	-	-	-	-	-	-	-	-	
05-03-2019	3 AM	-	-	-	-	-	-	-	-	
05-03-2019	4 AM	-	-	-	-	-	-	-	-	
05-03-2019	5 AM	-	-	-	-	-	-	-	-	
05-03-2019	6 AM	-	-	-	-	-	-	-	-	
05-03-2019	7 AM	-	-	-	-	-	-	-	-	
05-03-2019	8 AM	-	-	-	-	-	-	-	-	
05-03-2019	9 AM	-	-	-	-	-	-	-	-	
05-03-2019	10 AM	-	-	-	-	-	-	-	-	
05-03-2019	11 AM	-	-	-	-	-	-	-	-	
05-03-2019	12 PM	-	-	-	-	-	-	-	-	
05-03-2019	1 PM	-	-	-	-	-	-	-	-	
05-03-2019	2 PM	-	-	-	-	-	-	-	-	
05-03-2019	3 PM	-	-	-	-	-	-	-	-	

05-03-2019	4 PM	-	-	-	-	-	-	-	-	
05-03-2019	5 PM	-	-	-	-	-	-	-	-	
05-03-2019	6 PM	-	-	-	-	-	-	-	-	
05-03-2019	7 PM	-	-	-	-	-	-	-	-	
05-03-2019	8 PM	-	-	-	-	-	-	-	-	
05-03-2019	9 PM	-	-	-	-	-	-	-	-	
05-03-2019	10 PM	-	-	-	-	-	-	-	-	
05-03-2019	11 PM	-	-	-	-	-	-	-	-	
06-03-2019	12 AM	-	-	-	-	-	-	-	-	
06-03-2019	1 AM	-	-	-	-	-	-	-	-	
06-03-2019	2 AM	-	-	-	-	-	-	-	-	
06-03-2019	3 AM	-	-	-	-	-	-	-	-	
06-03-2019	4 AM	-	-	-	-	-	-	-	-	
06-03-2019	5 AM	-	-	-	-	-	-	-	-	
06-03-2019	6 AM	-	-	-	-	-	-	-	-	
06-03-2019	7 AM	-	-	-	-	-	-	-	-	
06-03-2019	8 AM	-	-	-	-	-	-	-	-	
06-03-2019	9 AM	-	-	-	-	-	-	-	-	
06-03-2019	10 AM	-	-	-	-	-	-	-	-	
06-03-2019	11 AM	-	-	-	-	-	-	-	-	
06-03-2019	12 PM	-	-	-	-	-	-	-	-	
06-03-2019	1 PM	-	-	-	-	-	-	-	-	
06-03-2019	2 PM	-	-	-	-	-	-	-	-	
06-03-2019	3 PM	-	-	-	-	-	-	-	-	
06-03-2019	4 PM	-	-	-	-	-	-	-	-	
06-03-2019	5 PM	0	148	190	9	NA	NA	0	0	
06-03-2019	6 PM	0	332	167	19	NA	NA	0	0	
06-03-2019	7 PM	0	356	175	17	NA	NA	0	0	
06-03-2019	8 PM	0	176	88	9	NA	NA	0	0	

06-03-2019	9 PM	-	-	-	-	-	-	-	-	
06-03-2019	10 PM	-	-	-	-	-	-	-	-	
06-03-2019	11 PM	-	-	-	-	-	-	-	-	
07-03-2019	12 AM	-	-	-	-	-	-	-	-	
07-03-2019	1 AM	-	-	-	-	-	-	-	-	
07-03-2019	2 AM	-	-	-	-	-	-	-	-	
07-03-2019	3 AM	-	-	-	-	-	-	-	-	
07-03-2019	4 AM	-	-	-	-	-	-	-	-	
07-03-2019	5 AM	-	-	-	-	-	-	-	-	
07-03-2019	6 AM	-	-	-	-	-	-	-	-	
07-03-2019	7 AM	-	-	-	-	-	-	-	-	
07-03-2019	8 AM	-	-	-	-	-	-	-	-	
07-03-2019	9 AM	-	-	-	-	-	-	-	-	
07-03-2019	10 AM	-	-	-	-	-	-	-	-	
07-03-2019	11 AM	-	-	-	-	-	-	-	-	
07-03-2019	12 PM	-	-	-	-	-	-	-	-	
07-03-2019	1 PM	-	-	-	-	-	-	-	-	
07-03-2019	2 PM	-	-	-	-	-	-	-	-	
07-03-2019	3 PM	-	-	-	-	-	-	-	-	
07-03-2019	4 PM	-	-	-	-	-	-	-	-	
07-03-2019	5 PM	-	-	-	-	-	-	-	-	
07-03-2019	6 PM	-	-	-	-	-	-	-	-	
07-03-2019	7 PM	0	304	962	16	NA	NA	0	0.5	Start up
07-03-2019	8 PM	0	185	103	10	NA	NA	0	0	
07-03-2019	9 PM	-	-	-	-	-	-	-	-	
07-03-2019	10 PM	-	-	-	-	-	-	-	-	
07-03-2019	11 PM	-	-	-	-	-	-	-	-	
08-03-2019	12 AM	-	-	-	-	-	-	-	-	
08-03-2019	1 AM	-	-	-	-	-	-	-	-	

08-03-2019	2 AM	-	-	-	-	-	-	-	-	
08-03-2019	3 AM	-	-	-	-	-	-	-	-	
08-03-2019	4 AM	-	-	-	-	-	-	-	-	
08-03-2019	5 AM	0	318	580	16	NA	NA	0	0.5	Start up
08-03-2019	6 AM	-	-	-	-	-	-	-	-	
08-03-2019	7 AM	-	-	-	-	-	-	-	-	
08-03-2019	8 AM	-	-	-	-	-	-	-	-	
08-03-2019	9 AM	0	329	548	17	NA	NA	0	0.5	Start up
08-03-2019	10 AM	-	-	-	-	-	-	-	-	
08-03-2019	11 AM	0	342	341	20	NA	NA	0	0	Start up
08-03-2019	12 PM	0	348	206	20	NA	NA	0	0	
08-03-2019	1 PM	0	356	205	20	NA	NA	0	0	
08-03-2019	2 PM	0	361	198	22	NA	NA	0	0	
08-03-2019	3 PM	0	362	198	21	NA	NA	0	0	
08-03-2019	4 PM	0	365	205	19	NA	NA	0	0	
08-03-2019	5 PM	0	357	204	19	NA	NA	0	0	
08-03-2019	6 PM	0	361	201	19	NA	NA	0	0	
08-03-2019	7 PM	0	367	201	19	NA	NA	0	0	
08-03-2019	8 PM	0	367	198	20	NA	NA	0	0	
08-03-2019	9 PM	0	368	197	19	NA	NA	0	0	
08-03-2019	10 PM	0	362	202	19	NA	NA	0	0	
08-03-2019	11 PM	0	361	194	20	NA	NA	0	0	
09-03-2019	12 AM	-	-	-	-	-	-	-	-	
09-03-2019	1 AM	-	-	-	-	-	-	-	-	
09-03-2019	2 AM	-	-	-	-	-	-	-	-	
09-03-2019	3 AM	-	-	-	-	-	-	-	-	
09-03-2019	4 AM	-	-	-	-	-	-	-	-	
09-03-2019	5 AM	-	-	-	-	-	-	-	-	
09-03-2019	6 AM	-	-	-	-	-	-	-	-	

09-03-2019	7 AM	-	-	-	-	-	-	-	-	
09-03-2019	8 AM	-	-	-	-	-	-	-	-	
09-03-2019	9 AM	-	-	-	-	-	-	-	-	
09-03-2019	10 AM	-	-	-	-	-	-	-	-	
09-03-2019	11 AM	-	-	-	-	-	-	-	-	
09-03-2019	12 PM	-	-	-	-	-	-	-	-	
09-03-2019	1 PM	-	-	-	-	-	-	-	-	
09-03-2019	2 PM	-	-	-	-	-	-	-	-	
09-03-2019	3 PM	-	-	-	-	-	-	-	-	
09-03-2019	4 PM	-	-	-	-	-	-	-	-	
09-03-2019	5 PM	-	-	-	-	-	-	-	-	
09-03-2019	6 PM	-	-	-	-	-	-	-	-	
09-03-2019	7 PM	-	-	-	-	-	-	-	-	
09-03-2019	8 PM	-	-	-	-	-	-	-	-	
09-03-2019	9 PM	-	-	-	-	-	-	-	-	
09-03-2019	10 PM	-	-	-	-	-	-	-	-	
09-03-2019	11 PM	-	-	-	-	-	-	-	-	
10-03-2019	12 AM	-	-	-	-	-	-	-	-	
10-03-2019	1 AM	-	-	-	-	-	-	-	-	
10-03-2019	2 AM	-	-	-	-	-	-	-	-	
10-03-2019	3 AM	-	-	-	-	-	-	-	-	
10-03-2019	4 AM	-	-	-	-	-	-	-	-	
10-03-2019	5 AM	-	-	-	-	-	-	-	-	
10-03-2019	6 AM	-	-	-	-	-	-	-	-	
10-03-2019	7 AM	-	-	-	-	-	-	-	-	
10-03-2019	8 AM	-	-	-	-	-	-	-	-	
10-03-2019	9 AM	-	-	-	-	-	-	-	-	
10-03-2019	10 AM	-	-	-	-	-	-	-	-	
10-03-2019	11 AM	-	-	-	-	-	-	-	-	

10-03-2019	12 PM	-	-	-	-	-	-	-	-	
10-03-2019	1 PM	-	-	-	-	-	-	-	-	
10-03-2019	2 PM	0	176	119	11	NA	NA	0	0	
10-03-2019	3 PM	0	367	190	23	NA	NA	0	0	
10-03-2019	4 PM	0	372	189	22	NA	NA	0	0	
10-03-2019	5 PM	0	373	188	23	NA	NA	0	0	
10-03-2019	6 PM	0	382	197	22	NA	NA	0	0	
10-03-2019	7 PM	0	382	208	27	NA	NA	0	0	
10-03-2019	8 PM	0	385	207	26	NA	NA	0	0	
10-03-2019	9 PM	0	386	208	22	NA	NA	0	0	
10-03-2019	10 PM	0	399	216	21	NA	NA	0	0	
10-03-2019	11 PM	0	388	211	22	NA	NA	0	0	
11-03-2019	12 AM	0	368	263	20	NA	NA	0	0	
11-03-2019	1 AM	0	383	212	21	NA	NA	0	0	
11-03-2019	2 AM	0	384	209	22	NA	NA	0	0	
11-03-2019	3 AM	0	385	205	23	NA	NA	0	0	
11-03-2019	4 AM	0	386	209	21	NA	NA	0	0	
11-03-2019	5 AM	0	386	211	21	NA	NA	0	0	
11-03-2019	6 AM	0	386	212	21	NA	NA	0	0	
11-03-2019	7 AM	0	393	218	20	NA	NA	0	0	
11-03-2019	8 AM	0	390	216	20	NA	NA	0	0	
11-03-2019	9 AM	0	387	212	20	NA	NA	0	0	
11-03-2019	10 AM	0	396	216	20	NA	NA	0	0	
11-03-2019	11 AM	0	391	210	20	NA	NA	0	0	
11-03-2019	12 PM	0	399	215	20	NA	NA	0	0	
11-03-2019	1 PM	0	403	217	20	NA	NA	0	0	
11-03-2019	2 PM	0	392	210	21	NA	NA	0	0	
11-03-2019	3 PM	0	400	207	52	NA	NA	0	0	
11-03-2019	4 PM	0	411	217	114	NA	NA	0	0	

11-03-2019	5 PM	0	418	221	58	NA	NA	0	0	
11-03-2019	6 PM	0	408	219	30	NA	NA	0	0	
11-03-2019	7 PM	0	398	216	22	NA	NA	0	0	
11-03-2019	8 PM	0	431	230	19	NA	NA	0	0	
11-03-2019	9 PM	0	397	220	18	NA	NA	0	0	
11-03-2019	10 PM	0	400	216	19	NA	NA	0	0	
11-03-2019	11 PM	0	392	208	19	NA	NA	0	0	
12-03-2019	12 AM	0	387	178	21	NA	NA	0	0	
12-03-2019	1 AM	0	393	191	28	NA	NA	0	0	
12-03-2019	2 AM	0	404	212	28	NA	NA	0	0	
12-03-2019	3 AM	0	397	213	21	NA	NA	0	0	
12-03-2019	4 AM	0	160	92	8	NA	NA	0	0	
12-03-2019	5 AM	-	-	-	-	-	-	-	-	
12-03-2019	6 AM	-	-	-	-	-	-	-	-	
12-03-2019	7 AM	-	-	-	-	-	-	-	-	
12-03-2019	8 AM	-	-	-	-	-	-	-	-	
12-03-2019	9 AM	-	-	-	-	-	-	-	-	
12-03-2019	10 AM	-	-	-	-	-	-	-	-	
12-03-2019	11 AM	-	-	-	-	-	-	-	-	
12-03-2019	12 PM	-	-	-	-	-	-	-	-	
12-03-2019	1 PM	-	-	-	-	-	-	-	-	
12-03-2019	2 PM	-	-	-	-	-	-	-	-	
12-03-2019	3 PM	-	-	-	-	-	-	-	-	
12-03-2019	4 PM	-	-	-	-	-	-	-	-	
12-03-2019	5 PM	-	-	-	-	-	-	-	-	
12-03-2019	6 PM	-	-	-	-	-	-	-	-	
12-03-2019	7 PM	-	-	-	-	-	-	-	-	
12-03-2019	8 PM	-	-	-	-	-	-	-	-	
12-03-2019	9 PM	-	-	-	-	-	-	-	-	

12-03-2019	10 PM	-	-	-	-	-	-	-	-	
12-03-2019	11 PM	-	-	-	-	-	-	-	-	
13-03-2019	12 AM	-	-	-	-	-	-	-	-	
13-03-2019	1 AM	-	-	-	-	-	-	-	-	
13-03-2019	2 AM	-	-	-	-	-	-	-	-	
13-03-2019	3 AM	-	-	-	-	-	-	-	-	
13-03-2019	4 AM	-	-	-	-	-	-	-	-	
13-03-2019	5 AM	-	-	-	-	-	-	-	-	
13-03-2019	6 AM	-	-	-	-	-	-	-	-	
13-03-2019	7 AM	-	-	-	-	-	-	-	-	
13-03-2019	8 AM	-	-	-	-	-	-	-	-	
13-03-2019	9 AM	-	-	-	-	-	-	-	-	
13-03-2019	10 AM	-	-	-	-	-	-	-	-	
13-03-2019	11 AM	-	-	-	-	-	-	-	-	
13-03-2019	12 PM	-	-	-	-	-	-	-	-	
13-03-2019	1 PM	-	-	-	-	-	-	-	-	
13-03-2019	2 PM	-	-	-	-	-	-	-	-	
13-03-2019	3 PM	-	-	-	-	-	-	-	-	
13-03-2019	4 PM	-	-	-	-	-	-	-	-	
13-03-2019	5 PM	-	-	-	-	-	-	-	-	
13-03-2019	6 PM	-	-	-	-	-	-	-	-	
13-03-2019	7 PM	-	-	-	-	-	-	-	-	
13-03-2019	8 PM	-	-	-	-	-	-	-	-	
13-03-2019	9 PM	-	-	-	-	-	-	-	-	
13-03-2019	10 PM	-	-	-	-	-	-	-	-	
13-03-2019	11 PM	-	-	-	-	-	-	-	-	
14-03-2019	12 AM	-	-	-	-	-	-	-	-	
14-03-2019	1 AM	-	-	-	-	-	-	-	-	
14-03-2019	2 AM	-	-	-	-	-	-	-	-	

14-03-2019	3 AM	-	-	-	-	-	-	-	-	
14-03-2019	4 AM	-	-	-	-	-	-	-	-	
14-03-2019	5 AM	-	-	-	-	-	-	-	-	
14-03-2019	6 AM	-	-	-	-	-	-	-	-	
14-03-2019	7 AM	-	-	-	-	-	-	-	-	
14-03-2019	8 AM	-	-	-	-	-	-	-	-	
14-03-2019	9 AM	-	-	-	-	-	-	-	-	
14-03-2019	10 AM	0	0	0	0	NA	NA	0	0	
14-03-2019	11 AM	-	-	-	-	-	-	-	-	
14-03-2019	12 PM	-	-	-	-	-	-	-	-	
14-03-2019	1 PM	-	-	-	-	-	-	-	-	
14-03-2019	2 PM	-	-	-	-	-	-	-	-	
14-03-2019	3 PM	-	-	-	-	-	-	-	-	
14-03-2019	4 PM	-	-	-	-	-	-	-	-	
14-03-2019	5 PM	-	-	-	-	-	-	-	-	
14-03-2019	6 PM	-	-	-	-	-	-	-	-	
14-03-2019	7 PM	-	-	-	-	-	-	-	-	
14-03-2019	8 PM	-	-	-	-	-	-	-	-	
14-03-2019	9 PM	0	280	99	60	NA	NA	0	0	Start up
14-03-2019	10 PM	0	381	141	39	NA	NA	0	0	Start up
14-03-2019	11 PM	0	384	178	57	NA	NA	0	0	Start up
15-03-2019	12 AM	0	371	164	35	NA	NA	0	0	
15-03-2019	1 AM	0	396	179	20	NA	NA	0	0	
15-03-2019	2 AM	0	413	189	18	NA	NA	0	0	
15-03-2019	3 AM	0	170	76	9	NA	NA	0	0	
15-03-2019	4 AM	-	-	-	-	-	-	-	-	
15-03-2019	5 AM	-	-	-	-	-	-	-	-	
15-03-2019	6 AM	-	-	-	-	-	-	-	-	
15-03-2019	7 AM	-	-	-	-	-	-	-	-	

15-03-2019	8 AM	-	-	-	-	-	-	-	-	
15-03-2019	9 AM	0	360	238	17	NA	NA	0	0	
15-03-2019	10 AM	0	372	169	28	NA	NA	0	0	
15-03-2019	11 AM	0	375	171	24	NA	NA	0	0	
15-03-2019	12 PM	0	373	166	19	NA	NA	0	0	
15-03-2019	1 PM	0	375	165	18	NA	NA	0	0	
15-03-2019	2 PM	0	376	173	18	NA	NA	0	0	
15-03-2019	3 PM	0	379	179	18	NA	NA	0	0	
15-03-2019	4 PM	0	381	183	17	NA	NA	0	0	
15-03-2019	5 PM	0	378	181	39	NA	NA	0	0	
15-03-2019	6 PM	0	391	188	77	NA	NA	0	0	
15-03-2019	7 PM	0	405	201	33	NA	NA	0	0	
15-03-2019	8 PM	0	395	202	20	NA	NA	0	0	
15-03-2019	9 PM	0	399	206	17	NA	NA	0	0	
15-03-2019	10 PM	0	399	207	16	NA	NA	0	0	
15-03-2019	11 PM	0	391	197	17	NA	NA	0	0	
16-03-2019	12 AM	0	375	172	18	NA	NA	0	0	
16-03-2019	1 AM	0	383	185	17	NA	NA	0	0	
16-03-2019	2 AM	0	391	197	16	NA	NA	0	0	
16-03-2019	3 AM	0	388	196	43	NA	NA	0	0	
16-03-2019	4 AM	0	410	212	48	NA	NA	0	0	
16-03-2019	5 AM	0	413	216	26	NA	NA	0	0	
16-03-2019	6 AM	0	409	220	19	NA	NA	0	0	
16-03-2019	7 AM	0	428	235	17	NA	NA	0	0	
16-03-2019	8 AM	0	441	243	18	NA	NA	0	0	
16-03-2019	9 AM	0	447	247	17	NA	NA	0	0	
16-03-2019	10 AM	0	451	248	16	NA	NA	0	0	
16-03-2019	11 AM	0	438	247	20	NA	NA	0	0	
16-03-2019	12 PM	0	429	244	94	NA	NA	0	0	

16-03-2019	1 PM	0	228	122	55	NA	NA	0	0	
16-03-2019	2 PM	-	-	-	-	-	-	-	-	
16-03-2019	3 PM	-	-	-	-	-	-	-	-	
16-03-2019	4 PM	-	-	-	-	-	-	-	-	
16-03-2019	5 PM	-	-	-	-	-	-	-	-	
16-03-2019	6 PM	-	-	-	-	-	-	-	-	
16-03-2019	7 PM	-	-	-	-	-	-	-	-	
16-03-2019	8 PM	-	-	-	-	-	-	-	-	
16-03-2019	9 PM	-	-	-	-	-	-	-	-	
16-03-2019	10 PM	-	-	-	-	-	-	-	-	
16-03-2019	11 PM	-	-	-	-	-	-	-	-	
17-03-2019	12 AM	-	-	-	-	-	-	-	-	
17-03-2019	1 AM	-	-	-	-	-	-	-	-	
17-03-2019	2 AM	-	-	-	-	-	-	-	-	
17-03-2019	3 AM	-	-	-	-	-	-	-	-	
17-03-2019	4 AM	-	-	-	-	-	-	-	-	
17-03-2019	5 AM	-	-	-	-	-	-	-	-	
17-03-2019	6 AM	-	-	-	-	-	-	-	-	
17-03-2019	7 AM	-	-	-	-	-	-	-	-	
17-03-2019	8 AM	-	-	-	-	-	-	-	-	
17-03-2019	9 AM	-	-	-	-	-	-	-	-	
17-03-2019	10 AM	-	-	-	-	-	-	-	-	
17-03-2019	11 AM	-	-	-	-	-	-	-	-	
17-03-2019	12 PM	-	-	-	-	-	-	-	-	
17-03-2019	1 PM	-	-	-	-	-	-	-	-	
17-03-2019	2 PM	-	-	-	-	-	-	-	-	
17-03-2019	3 PM	-	-	-	-	-	-	-	-	
17-03-2019	4 PM	-	-	-	-	-	-	-	-	
17-03-2019	5 PM	-	-	-	-	-	-	-	-	

17-03-2019	6 PM	-	-	-	-	-	-	-	-	
17-03-2019	7 PM	-	-	-	-	-	-	-	-	
17-03-2019	8 PM	-	-	-	-	-	-	-	-	
17-03-2019	9 PM	-	-	-	-	-	-	-	-	
17-03-2019	10 PM	-	-	-	-	-	-	-	-	
17-03-2019	11 PM	-	-	-	-	-	-	-	-	
18-03-2019	12 AM	-	-	-	-	-	-	-	-	
18-03-2019	1 AM	-	-	-	-	-	-	-	-	
18-03-2019	2 AM	-	-	-	-	-	-	-	-	
18-03-2019	3 AM	-	-	-	-	-	-	-	-	
18-03-2019	4 AM	-	-	-	-	-	-	-	-	
18-03-2019	5 AM	-	-	-	-	-	-	-	-	
18-03-2019	6 AM	-	-	-	-	-	-	-	-	
18-03-2019	7 AM	-	-	-	-	-	-	-	-	
18-03-2019	8 AM	-	-	-	-	-	-	-	-	
18-03-2019	9 AM	-	-	-	-	-	-	-	-	
18-03-2019	10 AM	-	-	-	-	-	-	-	-	
18-03-2019	11 AM	-	-	-	-	-	-	-	-	
18-03-2019	12 PM	-	-	-	-	-	-	-	-	
18-03-2019	1 PM	-	-	-	-	-	-	-	-	
18-03-2019	2 PM	-	-	-	-	-	-	-	-	
18-03-2019	3 PM	-	-	-	-	-	-	-	-	
18-03-2019	4 PM	-	-	-	-	-	-	-	-	
18-03-2019	5 PM	-	-	-	-	-	-	-	-	
18-03-2019	6 PM	-	-	-	-	-	-	-	-	
18-03-2019	7 PM	-	-	-	-	-	-	-	-	
18-03-2019	8 PM	-	-	-	-	-	-	-	-	
18-03-2019	9 PM	-	-	-	-	-	-	-	-	
18-03-2019	10 PM	-	-	-	-	-	-	-	-	

18-03-2019	11 PM	-	-	-	-	-	-	-	-	
19-03-2019	12 AM	-	-	-	-	-	-	-	-	
19-03-2019	1 AM	-	-	-	-	-	-	-	-	
19-03-2019	2 AM	-	-	-	-	-	-	-	-	
19-03-2019	3 AM	-	-	-	-	-	-	-	-	
19-03-2019	4 AM	-	-	-	-	-	-	-	-	
19-03-2019	5 AM	-	-	-	-	-	-	-	-	
19-03-2019	6 AM	-	-	-	-	-	-	-	-	
19-03-2019	7 AM	-	-	-	-	-	-	-	-	
19-03-2019	8 AM	-	-	-	-	-	-	-	-	
19-03-2019	9 AM	-	-	-	-	-	-	-	-	
19-03-2019	10 AM	-	-	-	-	-	-	-	-	
19-03-2019	11 AM	-	-	-	-	-	-	-	-	
19-03-2019	12 PM	-	-	-	-	-	-	-	-	
19-03-2019	1 PM	-	-	-	-	-	-	-	-	
19-03-2019	2 PM	-	-	-	-	-	-	-	-	
19-03-2019	3 PM	-	-	-	-	-	-	-	-	
19-03-2019	4 PM	-	-	-	-	-	-	-	-	
19-03-2019	5 PM	-	-	-	-	-	-	-	-	
19-03-2019	6 PM	-	-	-	-	-	-	-	-	
19-03-2019	7 PM	-	-	-	-	-	-	-	-	
19-03-2019	8 PM	-	-	-	-	-	-	-	-	
19-03-2019	9 PM	-	-	-	-	-	-	-	-	
19-03-2019	10 PM	-	-	-	-	-	-	-	-	
19-03-2019	11 PM	-	-	-	-	-	-	-	-	
20-03-2019	12 AM	-	-	-	-	-	-	-	-	
20-03-2019	1 AM	-	-	-	-	-	-	-	-	
20-03-2019	2 AM	-	-	-	-	-	-	-	-	
20-03-2019	3 AM	-	-	-	-	-	-	-	-	

20-03-2019	4 AM	-	-	-	-	-	-	-	-	
20-03-2019	5 AM	-	-	-	-	-	-	-	-	
20-03-2019	6 AM	-	-	-	-	-	-	-	-	
20-03-2019	7 AM	-	-	-	-	-	-	-	-	
20-03-2019	8 AM	-	-	-	-	-	-	-	-	
20-03-2019	9 AM	-	-	-	-	-	-	-	-	
20-03-2019	10 AM	-	-	-	-	-	-	-	-	
20-03-2019	11 AM	-	-	-	-	-	-	-	-	
20-03-2019	12 PM	-	-	-	-	-	-	-	-	
20-03-2019	1 PM	-	-	-	-	-	-	-	-	
20-03-2019	2 PM	-	-	-	-	-	-	-	-	
20-03-2019	3 PM	-	-	-	-	-	-	-	-	
20-03-2019	4 PM	-	-	-	-	-	-	-	-	
20-03-2019	5 PM	-	-	-	-	-	-	-	-	
20-03-2019	6 PM	-	-	-	-	-	-	-	-	
20-03-2019	7 PM	-	-	-	-	-	-	-	-	
20-03-2019	8 PM	-	-	-	-	-	-	-	-	
20-03-2019	9 PM	-	-	-	-	-	-	-	-	
20-03-2019	10 PM	-	-	-	-	-	-	-	-	
20-03-2019	11 PM	-	-	-	-	-	-	-	-	
21-03-2019	12 AM	-	-	-	-	-	-	-	-	
21-03-2019	1 AM	-	-	-	-	-	-	-	-	
21-03-2019	2 AM	-	-	-	-	-	-	-	-	
21-03-2019	3 AM	-	-	-	-	-	-	-	-	
21-03-2019	4 AM	-	-	-	-	-	-	-	-	
21-03-2019	5 AM	-	-	-	-	-	-	-	-	
21-03-2019	6 AM	-	-	-	-	-	-	-	-	
21-03-2019	7 AM	-	-	-	-	-	-	-	-	
21-03-2019	8 AM	-	-	-	-	-	-	-	-	

21-03-2019	9 AM	-	-	-	-	-	-	-	-	
21-03-2019	10 AM	-	-	-	-	-	-	-	-	
21-03-2019	11 AM	-	-	-	-	-	-	-	-	
21-03-2019	12 PM	-	-	-	-	-	-	-	-	
21-03-2019	1 PM	-	-	-	-	-	-	-	-	
21-03-2019	2 PM	-	-	-	-	-	-	-	-	
21-03-2019	3 PM	-	-	-	-	-	-	-	-	
21-03-2019	4 PM	-	-	-	-	-	-	-	-	
21-03-2019	5 PM	-	-	-	-	-	-	-	-	
21-03-2019	6 PM	-	-	-	-	-	-	-	-	
21-03-2019	7 PM	-	-	-	-	-	-	-	-	
21-03-2019	8 PM	-	-	-	-	-	-	-	-	
21-03-2019	9 PM	-	-	-	-	-	-	-	-	
21-03-2019	10 PM	-	-	-	-	-	-	-	-	
21-03-2019	11 PM	-	-	-	-	-	-	-	-	
22-03-2019	12 AM	-	-	-	-	-	-	-	-	
22-03-2019	1 AM	-	-	-	-	-	-	-	-	
22-03-2019	2 AM	-	-	-	-	-	-	-	-	
22-03-2019	3 AM	-	-	-	-	-	-	-	-	
22-03-2019	4 AM	-	-	-	-	-	-	-	-	
22-03-2019	5 AM	-	-	-	-	-	-	-	-	
22-03-2019	6 AM	-	-	-	-	-	-	-	-	
22-03-2019	7 AM	-	-	-	-	-	-	-	-	
22-03-2019	8 AM	-	-	-	-	-	-	-	-	
22-03-2019	9 AM	-	-	-	-	-	-	-	-	
22-03-2019	10 AM	-	-	-	-	-	-	-	-	
22-03-2019	11 AM	-	-	-	-	-	-	-	-	
22-03-2019	12 PM	-	-	-	-	-	-	-	-	
22-03-2019	1 PM	-	-	-	-	-	-	-	-	

22-03-2019	2 PM	-	-	-	-	-	-	-	-	
22-03-2019	3 PM	0	183	122	14	NA	NA	0	0	
22-03-2019	4 PM	-	-	-	-	-	-	-	-	
22-03-2019	5 PM	-	-	-	-	-	-	-	-	
22-03-2019	6 PM	-	-	-	-	-	-	-	-	
22-03-2019	7 PM	-	-	-	-	-	-	-	-	
22-03-2019	8 PM	-	-	-	-	-	-	-	-	
22-03-2019	9 PM	-	-	-	-	-	-	-	-	
22-03-2019	10 PM	-	-	-	-	-	-	-	-	
22-03-2019	11 PM	-	-	-	-	-	-	-	-	
23-03-2019	12 AM	-	-	-	-	-	-	-	-	
23-03-2019	1 AM	-	-	-	-	-	-	-	-	
23-03-2019	2 AM	-	-	-	-	-	-	-	-	
23-03-2019	3 AM	-	-	-	-	-	-	-	-	
23-03-2019	4 AM	-	-	-	-	-	-	-	-	
23-03-2019	5 AM	-	-	-	-	-	-	-	-	
23-03-2019	6 AM	-	-	-	-	-	-	-	-	
23-03-2019	7 AM	-	-	-	-	-	-	-	-	
23-03-2019	8 AM	-	-	-	-	-	-	-	-	
23-03-2019	9 AM	-	-	-	-	-	-	-	-	
23-03-2019	10 AM	-	-	-	-	-	-	-	-	
23-03-2019	11 AM	-	-	-	-	-	-	-	-	
23-03-2019	12 PM	-	-	-	-	-	-	-	-	
23-03-2019	1 PM	-	-	-	-	-	-	-	-	
23-03-2019	2 PM	-	-	-	-	-	-	-	-	
23-03-2019	3 PM	-	-	-	-	-	-	-	-	
23-03-2019	4 PM	-	-	-	-	-	-	-	-	
23-03-2019	5 PM	-	-	-	-	-	-	-	-	
23-03-2019	6 PM	-	-	-	-	-	-	-	-	

23-03-2019	7 PM	-	-	-	-	-	-	-	-	
23-03-2019	8 PM	-	-	-	-	-	-	-	-	
23-03-2019	9 PM	-	-	-	-	-	-	-	-	
23-03-2019	10 PM	-	-	-	-	-	-	-	-	
23-03-2019	11 PM	-	-	-	-	-	-	-	-	
24-03-2019	12 AM	-	-	-	-	-	-	-	-	
24-03-2019	1 AM	-	-	-	-	-	-	-	-	
24-03-2019	2 AM	-	-	-	-	-	-	-	-	
24-03-2019	3 AM	-	-	-	-	-	-	-	-	
24-03-2019	4 AM	-	-	-	-	-	-	-	-	
24-03-2019	5 AM	-	-	-	-	-	-	-	-	
24-03-2019	6 AM	-	-	-	-	-	-	-	-	
24-03-2019	7 AM	-	-	-	-	-	-	-	-	
24-03-2019	8 AM	-	-	-	-	-	-	-	-	
24-03-2019	9 AM	-	-	-	-	-	-	-	-	
24-03-2019	10 AM	-	-	-	-	-	-	-	-	
24-03-2019	11 AM	-	-	-	-	-	-	-	-	
24-03-2019	12 PM	-	-	-	-	-	-	-	-	
24-03-2019	1 PM	-	-	-	-	-	-	-	-	
24-03-2019	2 PM	-	-	-	-	-	-	-	-	
24-03-2019	3 PM	-	-	-	-	-	-	-	-	
24-03-2019	4 PM	-	-	-	-	-	-	-	-	
24-03-2019	5 PM	-	-	-	-	-	-	-	-	
24-03-2019	6 PM	-	-	-	-	-	-	-	-	
24-03-2019	7 PM	-	-	-	-	-	-	-	-	
24-03-2019	8 PM	-	-	-	-	-	-	-	-	
24-03-2019	9 PM	-	-	-	-	-	-	-	-	
24-03-2019	10 PM	-	-	-	-	-	-	-	-	
24-03-2019	11 PM	-	-	-	-	-	-	-	-	

25-03-2019	12 AM	-	-	-	-	-	-	-	-	
25-03-2019	1 AM	-	-	-	-	-	-	-	-	
25-03-2019	2 AM	-	-	-	-	-	-	-	-	
25-03-2019	3 AM	-	-	-	-	-	-	-	-	
25-03-2019	4 AM	-	-	-	-	-	-	-	-	
25-03-2019	5 AM	-	-	-	-	-	-	-	-	
25-03-2019	6 AM	-	-	-	-	-	-	-	-	
25-03-2019	7 AM	-	-	-	-	-	-	-	-	
25-03-2019	8 AM	-	-	-	-	-	-	-	-	
25-03-2019	9 AM	-	-	-	-	-	-	-	-	
25-03-2019	10 AM	-	-	-	-	-	-	-	-	
25-03-2019	11 AM	-	-	-	-	-	-	-	-	
25-03-2019	12 PM	-	-	-	-	-	-	-	-	
25-03-2019	1 PM	-	-	-	-	-	-	-	-	
25-03-2019	2 PM	-	-	-	-	-	-	-	-	
25-03-2019	3 PM	-	-	-	-	-	-	-	-	
25-03-2019	4 PM	-	-	-	-	-	-	-	-	
25-03-2019	5 PM	-	-	-	-	-	-	-	-	
25-03-2019	6 PM	-	-	-	-	-	-	-	-	
25-03-2019	7 PM	-	-	-	-	-	-	-	-	
25-03-2019	8 PM	-	-	-	-	-	-	-	-	
25-03-2019	9 PM	-	-	-	-	-	-	-	-	
25-03-2019	10 PM	-	-	-	-	-	-	-	-	
25-03-2019	11 PM	-	-	-	-	-	-	-	-	
26-03-2019	12 AM	-	-	-	-	-	-	-	-	
26-03-2019	1 AM	-	-	-	-	-	-	-	-	
26-03-2019	2 AM	-	-	-	-	-	-	-	-	
26-03-2019	3 AM	-	-	-	-	-	-	-	-	
26-03-2019	4 AM	-	-	-	-	-	-	-	-	

26-03-2019	5 AM	-	-	-	-	-	-	-	-	
26-03-2019	6 AM	-	-	-	-	-	-	-	-	
26-03-2019	7 AM	-	-	-	-	-	-	-	-	
26-03-2019	8 AM	-	-	-	-	-	-	-	-	
26-03-2019	9 AM	-	-	-	-	-	-	-	-	
26-03-2019	10 AM	-	-	-	-	-	-	-	-	
26-03-2019	11 AM	-	-	-	-	-	-	-	-	
26-03-2019	12 PM	-	-	-	-	-	-	-	-	
26-03-2019	1 PM	-	-	-	-	-	-	-	-	
26-03-2019	2 PM	-	-	-	-	-	-	-	-	
26-03-2019	3 PM	-	-	-	-	-	-	-	-	
26-03-2019	4 PM	-	-	-	-	-	-	-	-	
26-03-2019	5 PM	-	-	-	-	-	-	-	-	
26-03-2019	6 PM	-	-	-	-	-	-	-	-	
26-03-2019	7 PM	-	-	-	-	-	-	-	-	
26-03-2019	8 PM	-	-	-	-	-	-	-	-	
26-03-2019	9 PM	-	-	-	-	-	-	-	-	
26-03-2019	10 PM	-	-	-	-	-	-	-	-	
26-03-2019	11 PM	-	-	-	-	-	-	-	-	
27-03-2019	12 AM	2	0	0	0	NA	NA	0	0	
27-03-2019	1 AM	-	-	-	-	-	-	-	-	
27-03-2019	2 AM	-	-	-	-	-	-	-	-	
27-03-2019	3 AM	-	-	-	-	-	-	-	-	
27-03-2019	4 AM	-	-	-	-	-	-	-	-	
27-03-2019	5 AM	-	-	-	-	-	-	-	-	
27-03-2019	6 AM	-	-	-	-	-	-	-	-	
27-03-2019	7 AM	-	-	-	-	-	-	-	-	
27-03-2019	8 AM	-	-	-	-	-	-	-	-	
27-03-2019	9 AM	-	-	-	-	-	-	-	-	

27-03-2019	10 AM	-	-	-	-	-	-	-	-	
27-03-2019	11 AM	-	-	-	-	-	-	-	-	
27-03-2019	12 PM	-	-	-	-	-	-	-	-	
27-03-2019	1 PM	-	-	-	-	-	-	-	-	
27-03-2019	2 PM	-	-	-	-	-	-	-	-	
27-03-2019	3 PM	-	-	-	-	-	-	-	-	
27-03-2019	4 PM	-	-	-	-	-	-	-	-	
27-03-2019	5 PM	-	-	-	-	-	-	-	-	
27-03-2019	6 PM	-	-	-	-	-	-	-	-	
27-03-2019	7 PM	-	-	-	-	-	-	-	-	
27-03-2019	8 PM	-	-	-	-	-	-	-	-	
27-03-2019	9 PM	-	-	-	-	-	-	-	-	
27-03-2019	10 PM	-	-	-	-	-	-	-	-	
27-03-2019	11 PM	-	-	-	-	-	-	-	-	
28-03-2019	12 AM	0.5	166	136	14	NA	NA	0	0	
28-03-2019	1 AM	0	329	222	29	NA	NA	0	0	
28-03-2019	2 AM	0.5	341	231	28	NA	NA	0	0	
28-03-2019	3 AM	0.5	360	246	28	NA	NA	0	0	
28-03-2019	4 AM	0	365	252	27	NA	NA	0	0	
28-03-2019	5 AM	0	361	248	27	NA	NA	0	0	
28-03-2019	6 AM	0	363	245	27	NA	NA	0	0	
28-03-2019	7 AM	0	364	239	46	NA	NA	0	0	
28-03-2019	8 AM	0	379	239	130	NA	NA	0	0	
28-03-2019	9 AM	0	393	243	142	NA	NA	0	0	
28-03-2019	10 AM	0	402	247	76	NA	NA	0	0	
28-03-2019	11 AM	0	407	245	40	NA	NA	0	0	
28-03-2019	12 PM	0	384	223	35	NA	NA	0	0	
28-03-2019	1 PM	0	385	219	34	NA	NA	0	0	
28-03-2019	2 PM	0	398	224	34	NA	NA	0	0	

28-03-2019	3 PM	0	386	205	36	NA	NA	0	0	
28-03-2019	4 PM	0	403	207	36	NA	NA	0	0	
28-03-2019	5 PM	0	408	214	34	NA	NA	0	0	
28-03-2019	6 PM	0	376	204	32	NA	NA	0	0	
28-03-2019	7 PM	0	383	204	30	NA	NA	0	0	
28-03-2019	8 PM	0	381	208	31	NA	NA	0	0	
28-03-2019	9 PM	0	385	203	76	NA	NA	0	0	
28-03-2019	10 PM	0	390	218	69	NA	NA	0	0	
28-03-2019	11 PM	0	381	208	43	NA	NA	0	0	
29-03-2019	12 AM	0	388	176	39	NA	NA	0	0	
29-03-2019	1 AM	0	389	185	40	NA	NA	0	0	
29-03-2019	2 AM	0	381	189	39	NA	NA	0	0	
29-03-2019	3 AM	0	380	196	37	NA	NA	0	0	
29-03-2019	4 AM	0	382	199	41	NA	NA	0	0	
29-03-2019	5 AM	0	379	186	43	NA	NA	0	0	
29-03-2019	6 AM	0	385	176	40	NA	NA	0	0	
29-03-2019	7 AM	0	385	186	36	NA	NA	0	0	
29-03-2019	8 AM	0	388	193	36	NA	NA	0	0	
29-03-2019	9 AM	0	384	195	32	NA	NA	0	0	
29-03-2019	10 AM	2.5	0	0	0	NA	NA	0	0	
29-03-2019	11 AM	0	381	272	61	NA	NA	0	0	
29-03-2019	12 PM	-	-	-	-	-	-	-	-	
29-03-2019	1 PM	0	375	254	33	NA	NA	0	0	
29-03-2019	2 PM	-	-	-	-	-	-	-	-	
29-03-2019	3 PM	-	-	-	-	-	-	-	-	
29-03-2019	4 PM	-	-	-	-	-	-	-	-	
29-03-2019	5 PM	-	-	-	-	-	-	-	-	
29-03-2019	6 PM	0	0	0	0	NA	NA	0	0	
29-03-2019	7 PM	-	-	-	-	-	-	-	-	

29-03-2019	8 PM	-	-	-	-	-	-	-	-	
29-03-2019	9 PM	-	-	-	-	-	-	-	-	
29-03-2019	10 PM	-	-	-	-	-	-	-	-	
29-03-2019	11 PM	-	-	-	-	-	-	-	-	
30-03-2019	12 AM	-	-	-	-	-	-	-	-	
30-03-2019	1 AM	-	-	-	-	-	-	-	-	
30-03-2019	2 AM	-	-	-	-	-	-	-	-	
30-03-2019	3 AM	-	-	-	-	-	-	-	-	
30-03-2019	4 AM	-	-	-	-	-	-	-	-	
30-03-2019	5 AM	-	-	-	-	-	-	-	-	
30-03-2019	6 AM	-	-	-	-	-	-	-	-	
30-03-2019	7 AM	-	-	-	-	-	-	-	-	
30-03-2019	8 AM	-	-	-	-	-	-	-	-	
30-03-2019	9 AM	-	-	-	-	-	-	-	-	
30-03-2019	10 AM	-	-	-	-	-	-	-	-	
30-03-2019	11 AM	-	-	-	-	-	-	-	-	
30-03-2019	12 PM	-	-	-	-	-	-	-	-	
30-03-2019	1 PM	-	-	-	-	-	-	-	-	
30-03-2019	2 PM	-	-	-	-	-	-	-	-	
30-03-2019	3 PM	-	-	-	-	-	-	-	-	
30-03-2019	4 PM	-	-	-	-	-	-	-	-	
30-03-2019	5 PM	-	-	-	-	-	-	-	-	
30-03-2019	6 PM	-	-	-	-	-	-	-	-	
30-03-2019	7 PM	-	-	-	-	-	-	-	-	
30-03-2019	8 PM	-	-	-	-	-	-	-	-	
30-03-2019	9 PM	-	-	-	-	-	-	-	-	
30-03-2019	10 PM	0	134	96	5	NA	NA	0	0	
30-03-2019	11 PM	0	206	136	12	NA	NA	0	0	
31-03-2019	12 AM	0	418	263	33	NA	NA	0	0	

31-03-2019	1 AM	0	428	265	32	NA	NA	0	0	
31-03-2019	2 AM	0	446	269	33	NA	NA	0	0	
31-03-2019	3 AM	0	459	270	34	NA	NA	0	0	
31-03-2019	4 AM	0	417	257	33	NA	NA	0	0	
31-03-2019	5 AM	0	311	187	25	NA	NA	0	0	
31-03-2019	6 AM	0	172	117	11	NA	NA	0	0	
31-03-2019	7 AM	0	148	114	9	NA	NA	0	0	
31-03-2019	8 AM	0	150	199	10	NA	NA	0	0	
31-03-2019	9 AM	0	123	99	5	NA	NA	0	0	
31-03-2019	10 AM	0	69	41	4	NA	NA	0	0	
31-03-2019	11 AM	-	-	-	-	-	-	-	-	
31-03-2019	12 PM	0	55	50	3	NA	NA	0	0	
31-03-2019	1 PM	-	-	-	-	-	-	-	-	
31-03-2019	2 PM	0	77	94	4	NA	NA	0	0	
31-03-2019	3 PM	0	242	128	21	NA	NA	0	0	
31-03-2019	4 PM	0	420	212	70	NA	NA	0	0	
31-03-2019	5 PM	0	427	214	163	NA	NA	0	0	
31-03-2019	6 PM	0	436	215	202	NA	NA	0	0	
31-03-2019	7 PM	0	290	146	156	NA	NA	0	0	
31-03-2019	8 PM	0	185	130	76	NA	NA	0	0	
31-03-2019	9 PM	-	-	-	-	-	-	-	-	
31-03-2019	10 PM	-	-	-	-	-	-	-	-	
31-03-2019	11 PM	-	-	-	-	-	-	-	-	

Annex G3

Hourly Average of Parameters Measured in CHP 2

Date	Hour	CHP 2 Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO_2	NMVOCs	VOC (including methane)	HCl	HF	
01-03-2019	12 AM	0	245	167	25	NA	NA	0	0	
01-03-2019	1 AM	0	265	172	24	NA	NA	0	0	
01-03-2019	2 AM	0	276	182	21	NA	NA	0	0	
01-03-2019	3 AM	0	275	181	41	NA	NA	0	0	
01-03-2019	4 AM	0	274	181	37	NA	NA	0	0	
01-03-2019	5 AM	0	102	52	4	NA	NA	0	0	
01-03-2019	6 AM	0	302	180	21	NA	NA	0	0	
01-03-2019	7 AM	0	308	185	21	NA	NA	0	0	
01-03-2019	8 AM	0	121	63	5	NA	NA	0	0	
01-03-2019	9 AM	0	281	180	20	NA	NA	0	0	
01-03-2019	10 AM	0	301	182	20	NA	NA	0	0	
01-03-2019	11 AM	0	243	174	81	NA	NA	0	0	
01-03-2019	12 PM	0	239	178	97	NA	NA	0	0	
01-03-2019	1 PM	0	221	180	39	NA	NA	0	0	
01-03-2019	2 PM	0	238	184	20	NA	NA	0	0	
01-03-2019	3 PM	0	239	134	16	NA	NA	0	0	
01-03-2019	4 PM	0	235	133	15	NA	NA	0	0	
01-03-2019	5 PM	0	214	126	16	NA	NA	0	0	
01-03-2019	6 PM	0	219	130	15	NA	NA	0	0	
01-03-2019	7 PM	0	267	146	14	NA	NA	0	0	
01-03-2019	8 PM	0	206	126	50	NA	NA	0	0	
01-03-2019	9 PM	0	241	140	100	NA	NA	0	0	
01-03-2019	10 PM	0	254	142	52	NA	NA	0	0	
01-03-2019	11 PM	0	229	134	23	NA	NA	0	0	
02-03-2019	12 AM	0	170	96.5	18.5	NA	NA	0	0	

02-03-2019	1 AM	0	144	74	21	NA	NA	0	0	
02-03-2019	2 AM	0	137	69	22	NA	NA	0	0	
02-03-2019	3 AM	0	175	95	19	NA	NA	0	0	
02-03-2019	4 AM	0	202	118	16	NA	NA	0	0	
02-03-2019	5 AM	0	246	143	20	NA	NA	0	0	
02-03-2019	6 AM	0	282	165	14	NA	NA	0	0	
02-03-2019	7 AM	0	262	163	13	NA	NA	0	0	
02-03-2019	8 AM	0	241	156	12	NA	NA	0	0	
02-03-2019	9 AM	0	186	127	15	NA	NA	0	0	
02-03-2019	10 AM	0	175	120	41	NA	NA	0	0	
02-03-2019	11 AM	0	171	116	72	NA	NA	0	0	
02-03-2019	12 PM	0	200	139	34	NA	NA	0	0	
02-03-2019	1 PM	0	184	134	20	NA	NA	0	0	
02-03-2019	2 PM	0	230	162	12	NA	NA	0	0	
02-03-2019	3 PM	0	248	174	10	NA	NA	0	0	
02-03-2019	4 PM	0	214	159	13	NA	NA	0	0	
02-03-2019	5 PM	0	219	153	14	NA	NA	0	0	
02-03-2019	6 PM	0	218	143	12	NA	NA	0	0	
02-03-2019	7 PM	0	201	136	14	NA	NA	0	0	
02-03-2019	8 PM	0	213	147	12	NA	NA	0	0	
02-03-2019	9 PM	0	234	149	11	NA	NA	0	0	
02-03-2019	10 PM	0	241	154	13	NA	NA	0	0	
02-03-2019	11 PM	0	220	143	13	NA	NA	0	0	
03-03-2019	12 AM	0	235	148.5	49	NA	NA	0	0	
03-03-2019	1 AM	0	261	159	33	NA	NA	0	0	
03-03-2019	2 AM	0	235	144	19	NA	NA	0	0	
03-03-2019	3 AM	0	224	143	15	NA	NA	0	0	
03-03-2019	4 AM	0	226	142	16	NA	NA	0	0	
03-03-2019	5 AM	0	223	137	68	NA	NA	0	0	

03-03-2019	6 AM	0	251	144	64	NA	NA	0	0	
03-03-2019	7 AM	0	224	131	29	NA	NA	0	0	
03-03-2019	8 AM	0	217	127	18	NA	NA	0	0	
03-03-2019	9 AM	0	224	131	15	NA	NA	0	0	
03-03-2019	10 AM	0	228	133	15	NA	NA	0	0	
03-03-2019	11 AM	0	222	131	14	NA	NA	0	0	
03-03-2019	12 PM	0	215	122	15	NA	NA	0	0	
03-03-2019	1 PM	0	213	123	15	NA	NA	0	0	
03-03-2019	2 PM	0	209	126	15	NA	NA	0	0	
03-03-2019	3 PM	0	223	133	31	NA	NA	0	0	
03-03-2019	4 PM	0	221	133	23	NA	NA	0	0	
03-03-2019	5 PM	0	214	132	17	NA	NA	0	0	
03-03-2019	6 PM	0	213	132	15	NA	NA	0	0	
03-03-2019	7 PM	0	211	140	14	NA	NA	0	0	
03-03-2019	8 PM	0	204	141	13	NA	NA	0	0	
03-03-2019	9 PM	0	182	132	27	NA	NA	0	0	
03-03-2019	10 PM	0	185	130	35	NA	NA	0	0	
03-03-2019	11 PM	1	273	180	15	NA	NA	0	0	
04-03-2019	12 AM	0	273.5	187	14.5	NA	NA	0	0	
04-03-2019	1 AM	0	261	184	71	NA	NA	0	0	
04-03-2019	2 AM	0	258	183	46	NA	NA	0	0	
04-03-2019	3 AM	0	247	178	18	NA	NA	0	0	
04-03-2019	4 AM	0	263	181	11	NA	NA	0	0	
04-03-2019	5 AM	0	226	168	11	NA	NA	0	0	
04-03-2019	6 AM	0	224	170	11	NA	NA	0	0	
04-03-2019	7 AM	0	241	181	29	NA	NA	0	0	
04-03-2019	8 AM	0	284	201	16	NA	NA	0	0	
04-03-2019	9 AM	0	230	158	8	NA	NA	0	0	
04-03-2019	10 AM	0	164	139	4	NA	NA	0	0	

04-03-2019	11 AM	0	246	249	12	NA	NA	0	0	
04-03-2019	12 PM	0	204	236	30	NA	NA	0	0	
04-03-2019	1 PM	0	240	246	37	NA	NA	0	0	
04-03-2019	2 PM	0	233	243	18	NA	NA	0	0	
04-03-2019	3 PM	0	280	268	11	NA	NA	0	0	
04-03-2019	4 PM	0	245	252	13	NA	NA	0	0	
04-03-2019	5 PM	0	259	247	19	NA	NA	0	0	
04-03-2019	6 PM	0	254	239	15	NA	NA	0	0	
04-03-2019	7 PM	0	205	216	15	NA	NA	0	0	
04-03-2019	8 PM	0	149	185	17	NA	NA	0	0	
04-03-2019	9 PM	0	149	191	18	NA	NA	0	0	
04-03-2019	10 PM	0	162	225	16	NA	NA	0	0	
04-03-2019	11 PM	0	141	175	19	NA	NA	0	0	
05-03-2019	12 AM	0	92	122.5	6.5	NA	NA	0	0	
05-03-2019	1 AM	0	195	204	15	NA	NA	0	0	
05-03-2019	2 AM	0	174	202	18	NA	NA	0	0	
05-03-2019	3 AM	0	171	197	61	NA	NA	0	0	
05-03-2019	4 AM	0	194	210	99	NA	NA	0	0	
05-03-2019	5 AM	0	190	209	120	NA	NA	0	0	
05-03-2019	6 AM	0	219	220	99	NA	NA	0	0	
05-03-2019	7 AM	0	217	219	48	NA	NA	0	0	
05-03-2019	8 AM	0	204	212	23	NA	NA	0	0	
05-03-2019	9 AM	0	203	208	17	NA	NA	0	0	
05-03-2019	10 AM	0	215	208	15	NA	NA	0	0	
05-03-2019	11 AM	0	189	197	17	NA	NA	0	0	
05-03-2019	12 PM	0	204	199	19	NA	NA	0	0	
05-03-2019	1 PM	0	220	202	15	NA	NA	0	0	
05-03-2019	2 PM	0	228	201	16	NA	NA	0	0	
05-03-2019	3 PM	0	185	182	17	NA	NA	0	0	

05-03-2019	4 PM	0	186	184	18	NA	NA	0	0	
05-03-2019	5 PM	0	168	176	18	NA	NA	0	0	
05-03-2019	6 PM	0	168	174	43	NA	NA	0	0	
05-03-2019	7 PM	0	225	196	104	NA	NA	0	0	
05-03-2019	8 PM	2	294	216	79	NA	NA	0	0	
05-03-2019	9 PM	0	241	205	38	NA	NA	0	0	
05-03-2019	10 PM	0	186	189	20	NA	NA	0	0	
05-03-2019	11 PM	0	183	187	16	NA	NA	0	0	
06-03-2019	12 AM	0	75.5	82	9.5	NA	NA	0	0	
06-03-2019	1 AM	0	168	184	40	NA	NA	0	0	
06-03-2019	2 AM	0	214	196	28	NA	NA	0	0	
06-03-2019	3 AM	0	185	185	19	NA	NA	0	0	
06-03-2019	4 AM	0	191	184	16	NA	NA	0	0	
06-03-2019	5 AM	0	184	182	18	NA	NA	0	0	
06-03-2019	6 AM	0	183	178	67	NA	NA	0	0	
06-03-2019	7 AM	0	219	185	58	NA	NA	0	0	
06-03-2019	8 AM	0	215	187	26	NA	NA	0	0	
06-03-2019	9 AM	0	237	194	17	NA	NA	0	0	
06-03-2019	10 AM	0	252	199	15	NA	NA	0	0	
06-03-2019	11 AM	0	280	203	13	NA	NA	0	0	
06-03-2019	12 PM	0	288	204	11	NA	NA	0	0	
06-03-2019	1 PM	0	293	208	11	NA	NA	0	0	
06-03-2019	2 PM	0	266	204	14	NA	NA	0	0	
06-03-2019	3 PM	0	283	203	13	NA	NA	0	0	
06-03-2019	4 PM	0	278	202	13	NA	NA	0	0	
06-03-2019	5 PM	0	150	118	8	NA	NA	0	0	
06-03-2019	6 PM	0	14	12	0	NA	NA	0	0	
06-03-2019	7 PM	0	12	2	0	NA	NA	0	0	
06-03-2019	8 PM	0	193	136	12	NA	NA	0	0	

06-03-2019	9 PM	0	312	199	47	NA	NA	0	0	
06-03-2019	10 PM	0	321	204	24	NA	NA	0	0	
06-03-2019	11 PM	0	307	208	15	NA	NA	0	0	
07-03-2019	12 AM	0	220	181	13.5	NA	NA	0	0	
07-03-2019	1 AM	0	261	196	13	NA	NA	0	0	
07-03-2019	2 AM	0	282	214	13	NA	NA	0	0	
07-03-2019	3 AM	0	300	213	12	NA	NA	0	0	
07-03-2019	4 AM	0	299	217	11	NA	NA	0	0	
07-03-2019	5 AM	0	245	209	14	NA	NA	0	0	
07-03-2019	6 AM	0	197	198	15	NA	NA	0	0	
07-03-2019	7 AM	0	174	183	15	NA	NA	0	0	
07-03-2019	8 AM	0	210	189	13	NA	NA	0	0	
07-03-2019	9 AM	0	158	166	17	NA	NA	0	0	
07-03-2019	10 AM	0	164	179	15	NA	NA	0	0	
07-03-2019	11 AM	0	139	152	18	NA	NA	0	0	
07-03-2019	12 PM	0	158	165	17	NA	NA	0	0	
07-03-2019	1 PM	1	235	218	10	NA	NA	0	0	
07-03-2019	2 PM	1	255	230	0	NA	NA	0	0	
07-03-2019	3 PM	1	249	224	1	NA	NA	0	0	
07-03-2019	4 PM	41	25	10	0	NA	NA	0	0	Fault Signal
07-03-2019	5 PM	0	1	0	0	NA	NA	0	0	
07-03-2019	6 PM	2	278	165	12	NA	NA	0	0	
07-03-2019	7 PM	1	148	88	6	NA	NA	0	0	
07-03-2019	8 PM	1	223	155	8	NA	NA	0	0	
07-03-2019	9 PM	1	324	231	15	NA	NA	0	0	
07-03-2019	10 PM	1	327	230	16	NA	NA	0	0	
07-03-2019	11 PM	1	321	230	17	NA	NA	0	0	
08-03-2019	12 AM	1	265	209.5	28.5	NA	NA	0	0	
08-03-2019	1 AM	1	319	221	23	NA	NA	0	0	

08-03-2019	2 AM	1	331	226	18	NA	NA	0	0	
08-03-2019	3 AM	1	334	229	17	NA	NA	0	0	
08-03-2019	4 AM	1	335	235	16	NA	NA	0	0	
08-03-2019	5 AM	1	240	167	10	NA	NA	0	0	
08-03-2019	6 AM	1	336	236	15	NA	NA	0	0	
08-03-2019	7 AM	1	338	235	16	NA	NA	0	0	
08-03-2019	8 AM	1	340	236	16	NA	NA	0	0	
08-03-2019	9 AM	1	217	146	8	NA	NA	0	0	
08-03-2019	10 AM	1	336	230	17	NA	NA	0	0	
08-03-2019	11 AM	0	97	68	4	NA	NA	0	0	
08-03-2019	12 PM	0	19	17	0	NA	NA	0	0	
08-03-2019	1 PM	0	30	25	0	NA	NA	0	0	
08-03-2019	2 PM	0	21	16	0	NA	NA	0	0	
08-03-2019	3 PM	0	18	16	0	NA	NA	0	0	
08-03-2019	4 PM	0	17	8	0	NA	NA	0	0	
08-03-2019	5 PM	0	19	17	0	NA	NA	0	0	
08-03-2019	6 PM	0	30	24	0	NA	NA	0	0	
08-03-2019	7 PM	0	24	17	0	NA	NA	0	0	
08-03-2019	8 PM	0	18	16	0	NA	NA	0	0	
08-03-2019	9 PM	0	16	6	0	NA	NA	0	0	
08-03-2019	10 PM	0	20	17	0	NA	NA	0	0	
08-03-2019	11 PM	0	45	26	0	NA	NA	0	0	
09-03-2019	12 AM	1	256	148.5	17.5	NA	NA	0	0	
09-03-2019	1 AM	1	297	169	18	NA	NA	0	0	
09-03-2019	2 AM	1	315	170	19	NA	NA	0	0	
09-03-2019	3 AM	1	238	143	20	NA	NA	0	0	
09-03-2019	4 AM	1	207	135	21	NA	NA	0	0	
09-03-2019	5 AM	1	200	140	21	NA	NA	0	0	
09-03-2019	6 AM	1	188	128	21	NA	NA	0	0	

09-03-2019	7 AM	1	205	140	19	NA	NA	0	0	
09-03-2019	8 AM	1	210	144	19	NA	NA	0	0	
09-03-2019	9 AM	1	250	154	18	NA	NA	0	0	
09-03-2019	10 AM	1	234	146	19	NA	NA	0	0	
09-03-2019	11 AM	1	211	141	36	NA	NA	0	0	
09-03-2019	12 PM	1	233	147	68	NA	NA	0	0	
09-03-2019	1 PM	1	258	152	36	NA	NA	0	0	
09-03-2019	2 PM	1	241	145	22	NA	NA	0	0	
09-03-2019	3 PM	1	246	144	18	NA	NA	0	0	
09-03-2019	4 PM	1	244	139	18	NA	NA	0	0	
09-03-2019	5 PM	1	229	135	19	NA	NA	0	0	
09-03-2019	6 PM	1	225	137	19	NA	NA	0	0	
09-03-2019	7 PM	1	214	139	26	NA	NA	0	0	
09-03-2019	8 PM	1	215	135	63	NA	NA	0	0	
09-03-2019	9 PM	1	213	136	89	NA	NA	0	0	
09-03-2019	10 PM	1	235	147	70	NA	NA	0	0	
09-03-2019	11 PM	1	116	75	18	NA	NA	0	0	
10-03-2019	12 AM	-	-	-	-	-	-	-	-	
10-03-2019	1 AM	-	-	-	-	-	-	-	-	
10-03-2019	2 AM	-	-	-	-	-	-	-	-	
10-03-2019	3 AM	-	-	-	-	-	-	-	-	
10-03-2019	4 AM	-	-	-	-	-	-	-	-	
10-03-2019	5 AM	-	-	-	-	-	-	-	-	
10-03-2019	6 AM	-	-	-	-	-	-	-	-	
10-03-2019	7 AM	-	-	-	-	-	-	-	-	
10-03-2019	8 AM	-	-	-	-	-	-	-	-	
10-03-2019	9 AM	-	-	-	-	-	-	-	-	
10-03-2019	10 AM	-	-	-	-	-	-	-	-	
10-03-2019	11 AM	-	-	-	-	-	-	-	-	

10-03-2019	12 PM	-	-	-	-	-	-	-	-	
10-03-2019	1 PM	-	-	-	-	-	-	-	-	
10-03-2019	2 PM	-	-	-	-	-	-	-	-	
10-03-2019	3 PM	-	-	-	-	-	-	-	-	
10-03-2019	4 PM	-	-	-	-	-	-	-	-	
10-03-2019	5 PM	-	-	-	-	-	-	-	-	
10-03-2019	6 PM	-	-	-	-	-	-	-	-	
10-03-2019	7 PM	-	-	-	-	-	-	-	-	
10-03-2019	8 PM	-	-	-	-	-	-	-	-	
10-03-2019	9 PM	-	-	-	-	-	-	-	-	
10-03-2019	10 PM	-	-	-	-	-	-	-	-	
10-03-2019	11 PM	-	-	-	-	-	-	-	-	
11-03-2019	12 AM	-	-	-	-	-	-	-	-	
11-03-2019	1 AM	-	-	-	-	-	-	-	-	
11-03-2019	2 AM	-	-	-	-	-	-	-	-	
11-03-2019	3 AM	-	-	-	-	-	-	-	-	
11-03-2019	4 AM	-	-	-	-	-	-	-	-	
11-03-2019	5 AM	-	-	-	-	-	-	-	-	
11-03-2019	6 AM	-	-	-	-	-	-	-	-	
11-03-2019	7 AM	-	-	-	-	-	-	-	-	
11-03-2019	8 AM	-	-	-	-	-	-	-	-	
11-03-2019	9 AM	-	-	-	-	-	-	-	-	
11-03-2019	10 AM	-	-	-	-	-	-	-	-	
11-03-2019	11 AM	-	-	-	-	-	-	-	-	
11-03-2019	12 PM	-	-	-	-	-	-	-	-	
11-03-2019	1 PM	-	-	-	-	-	-	-	-	
11-03-2019	2 PM	0	0	0	0	NA	NA	0	0	
11-03-2019	3 PM	-	-	-	-	-	-	-	-	
11-03-2019	4 PM	-	-	-	-	-	-	-	-	

11-03-2019	5 PM	-	-	-	-	-	-	-	-	
11-03-2019	6 PM	-	-	-	-	-	-	-	-	
11-03-2019	7 PM	-	-	-	-	-	-	-	-	
11-03-2019	8 PM	-	-	-	-	-	-	-	-	
11-03-2019	9 PM	-	-	-	-	-	-	-	-	
11-03-2019	10 PM	-	-	-	-	-	-	-	-	
11-03-2019	11 PM	-	-	-	-	-	-	-	-	
12-03-2019	12 AM	-	-	-	-	-	-	-	-	
12-03-2019	1 AM	-	-	-	-	-	-	-	-	
12-03-2019	2 AM	-	-	-	-	-	-	-	-	
12-03-2019	3 AM	-	-	-	-	-	-	-	-	
12-03-2019	4 AM	0	139	98	12	NA	NA	0	0	
12-03-2019	5 AM	0	196	141	20	NA	NA	0	0	
12-03-2019	6 AM	1	220	150	19	NA	NA	0	0	
12-03-2019	7 AM	0	203	146	19	NA	NA	0	0	
12-03-2019	8 AM	0	266	174	17	NA	NA	0	0	
12-03-2019	9 AM	0	259	168	30	NA	NA	0	0	
12-03-2019	10 AM	0	248	158	48	NA	NA	0	0	
12-03-2019	11 AM	0	206	139	28	NA	NA	0	0	
12-03-2019	12 PM	0	198	129	22	NA	NA	0	0	
12-03-2019	1 PM	0	225	145	19	NA	NA	0	0	
12-03-2019	2 PM	0	220	142	19	NA	NA	0	0	
12-03-2019	3 PM	0	206	138	21	NA	NA	0	0	
12-03-2019	4 PM	0	207	137	20	NA	NA	0	0	
12-03-2019	5 PM	0	204	135	49	NA	NA	0	0	
12-03-2019	6 PM	0	225	144	93	NA	NA	0	0	
12-03-2019	7 PM	0	261	163	58	NA	NA	0	0	
12-03-2019	8 PM	0	247	156	29	NA	NA	0	0	
12-03-2019	9 PM	0	240	155	20	NA	NA	0	0	

12-03-2019	10 PM	0	247	163	18	NA	NA	0	0	
12-03-2019	11 PM	0	84	63	5	NA	NA	0	0	
13-03-2019	12 AM	0	200	203	20	NA	NA	0	0	
13-03-2019	1 AM	0	230	215	17	NA	NA	0	0	
13-03-2019	2 AM	0	245	221	25	NA	NA	0	0	
13-03-2019	3 AM	0	256	227	24	NA	NA	0	0	
13-03-2019	4 AM	0	251	228	18	NA	NA	0	0	
13-03-2019	5 AM	0	255	231	18	NA	NA	0	0	
13-03-2019	6 AM	0	239	220	18	NA	NA	0	0	
13-03-2019	7 AM	0	240	217	17	NA	NA	0	0	
13-03-2019	8 AM	0	247	220	17	NA	NA	0	0	
13-03-2019	9 AM	0	248	218	16	NA	NA	0	0	
13-03-2019	10 AM	0	256	220	17	NA	NA	0	0	
13-03-2019	11 AM	0	240	210	18	NA	NA	0	0	
13-03-2019	12 PM	0	236	205	30	NA	NA	0	0	
13-03-2019	1 PM	0	253	212	23	NA	NA	0	0	
13-03-2019	2 PM	0	257	210	18	NA	NA	0	0	
13-03-2019	3 PM	0	238	198	17	NA	NA	0	0	
13-03-2019	4 PM	0	201	191	21	NA	NA	0	0	
13-03-2019	5 PM	0	201	193	20	NA	NA	0	0	
13-03-2019	6 PM	0	204	191	19	NA	NA	0	0	
13-03-2019	7 PM	0	201	185	19	NA	NA	0	0	
13-03-2019	8 PM	0	196	183	20	NA	NA	0	0	
13-03-2019	9 PM	0	191	178	49	NA	NA	0	0	
13-03-2019	10 PM	0	209	184	60	NA	NA	0	0	
13-03-2019	11 PM	0	193	181	28	NA	NA	0	0	
14-03-2019	12 AM	0	231.5	186	20.5	NA	NA	0	0	
14-03-2019	1 AM	0	191	182	20	NA	NA	0	0	
14-03-2019	2 AM	0	194	186	19	NA	NA	0	0	

14-03-2019	3 AM	0	198	185	19	NA	NA	0	0	
14-03-2019	4 AM	0	200	184	18	NA	NA	0	0	
14-03-2019	5 AM	0	253	203	16	NA	NA	0	0	
14-03-2019	6 AM	0	233	191	17	NA	NA	0	0	
14-03-2019	7 AM	0	230	190	17	NA	NA	0	0	
14-03-2019	8 AM	0	148	91	11	NA	NA	0	0	
14-03-2019	9 AM	0	227	124	64	NA	NA	0	0	
14-03-2019	10 AM	0	131	70	24	NA	NA	0	0	
14-03-2019	11 AM	-	-	-	-	-	-	-	-	
14-03-2019	12 PM	-	-	-	-	-	-	-	-	
14-03-2019	1 PM	-	-	-	-	-	-	-	-	
14-03-2019	2 PM	-	-	-	-	-	-	-	-	
14-03-2019	3 PM	-	-	-	-	-	-	-	-	
14-03-2019	4 PM	-	-	-	-	-	-	-	-	
14-03-2019	5 PM	-	-	-	-	-	-	-	-	
14-03-2019	6 PM	-	-	-	-	-	-	-	-	
14-03-2019	7 PM	-	-	-	-	-	-	-	-	
14-03-2019	8 PM	-	-	-	-	-	-	-	-	
14-03-2019	9 PM	8	52	41	14	NA	NA	0	0	
14-03-2019	10 PM	-	-	-	-	-	-	-	-	
14-03-2019	11 PM	-	-	-	-	-	-	-	-	
15-03-2019	12 AM	-	-	-	-	-	-	-	-	
15-03-2019	1 AM	-	-	-	-	-	-	-	-	
15-03-2019	2 AM	-	-	-	-	-	-	-	-	
15-03-2019	3 AM	-	-	-	-	-	-	-	-	
15-03-2019	4 AM	-	-	-	-	-	-	-	-	
15-03-2019	5 AM	-	-	-	-	-	-	-	-	
15-03-2019	6 AM	-	-	-	-	-	-	-	-	
15-03-2019	7 AM	-	-	-	-	-	-	-	-	

15-03-2019	8 AM	-	-	-	-	-	-	-	-	
15-03-2019	9 AM	1	41	45	9	NA	NA	0	0	
15-03-2019	10 AM	-	-	-	-	-	-	-	-	
15-03-2019	11 AM	-	-	-	-	-	-	-	-	
15-03-2019	12 PM	-	-	-	-	-	-	-	-	
15-03-2019	1 PM	-	-	-	-	-	-	-	-	
15-03-2019	2 PM	-	-	-	-	-	-	-	-	
15-03-2019	3 PM	-	-	-	-	-	-	-	-	
15-03-2019	4 PM	-	-	-	-	-	-	-	-	
15-03-2019	5 PM	-	-	-	-	-	-	-	-	
15-03-2019	6 PM	-	-	-	-	-	-	-	-	
15-03-2019	7 PM	-	-	-	-	-	-	-	-	
15-03-2019	8 PM	-	-	-	-	-	-	-	-	
15-03-2019	9 PM	-	-	-	-	-	-	-	-	
15-03-2019	10 PM	-	-	-	-	-	-	-	-	
15-03-2019	11 PM	-	-	-	-	-	-	-	-	
16-03-2019	12 AM	-	-	-	-	-	-	-	-	
16-03-2019	1 AM	-	-	-	-	-	-	-	-	
16-03-2019	2 AM	-	-	-	-	-	-	-	-	
16-03-2019	3 AM	-	-	-	-	-	-	-	-	
16-03-2019	4 AM	-	-	-	-	-	-	-	-	
16-03-2019	5 AM	-	-	-	-	-	-	-	-	
16-03-2019	6 AM	-	-	-	-	-	-	-	-	
16-03-2019	7 AM	-	-	-	-	-	-	-	-	
16-03-2019	8 AM	-	-	-	-	-	-	-	-	
16-03-2019	9 AM	-	-	-	-	-	-	-	-	
16-03-2019	10 AM	-	-	-	-	-	-	-	-	
16-03-2019	11 AM	-	-	-	-	-	-	-	-	
16-03-2019	12 PM	-	-	-	-	-	-	-	-	

16-03-2019	1 PM	0	96	101	22	NA	NA	0	0	
16-03-2019	2 PM	1	254	247	31	NA	NA	0	0	
16-03-2019	3 PM	0	238	238	57	NA	NA	0	0	
16-03-2019	4 PM	0	193	142	47	NA	NA	0	0	
16-03-2019	5 PM	0	273	173	29	NA	NA	0	0	
16-03-2019	6 PM	0	242	165	19	NA	NA	0	0	
16-03-2019	7 PM	0	236	171	16	NA	NA	0	0	
16-03-2019	8 PM	0	244	175	16	NA	NA	0	0	
16-03-2019	9 PM	0	240	173	17	NA	NA	0	0	
16-03-2019	10 PM	0	246	171	17	NA	NA	0	0	
16-03-2019	11 PM	0	224	158	17	NA	NA	0	0	
17-03-2019	12 AM	0	175.5	131	19.5	NA	NA	0	0	
17-03-2019	1 AM	0	205	148	18	NA	NA	0	0	
17-03-2019	2 AM	0	226	161	19	NA	NA	0	0	
17-03-2019	3 AM	0	240	166	25	NA	NA	0	0	
17-03-2019	4 AM	0	229	163	19	NA	NA	0	0	
17-03-2019	5 AM	0	240	168	17	NA	NA	0	0	
17-03-2019	6 AM	0	251	173	16	NA	NA	0	0	
17-03-2019	7 AM	0	257	180	17	NA	NA	0	0	
17-03-2019	8 AM	0	259	182	17	NA	NA	0	0	
17-03-2019	9 AM	0	257	183	17	NA	NA	0	0	
17-03-2019	10 AM	0	272	185	16	NA	NA	0	0	
17-03-2019	11 AM	0	175	114	9	NA	NA	0	0	
17-03-2019	12 PM	0	277	179	15	NA	NA	0	0	
17-03-2019	1 PM	0	112	64	13	NA	NA	0	0	
17-03-2019	2 PM	0	38	14	1	NA	NA	0	0	
17-03-2019	3 PM	0	36	13	0	NA	NA	0	0	
17-03-2019	4 PM	0	22	2	0	NA	NA	0	0	
17-03-2019	5 PM	0	33	12	0	NA	NA	0	0	

17-03-2019	6 PM	0	33	12	0	NA	NA	0	0	
17-03-2019	7 PM	0	21	2	0	NA	NA	0	0	
17-03-2019	8 PM	0	32	11	0	NA	NA	0	0	
17-03-2019	9 PM	0	33	11	0	NA	NA	0	0	
17-03-2019	10 PM	0	119	67	32	NA	NA	0	0	
17-03-2019	11 PM	0	179	99	80	NA	NA	0	0	
18-03-2019	12 AM	0	226	129	51	NA	NA	0	0	
18-03-2019	1 AM	0	216	130	26	NA	NA	0	0	
18-03-2019	2 AM	0	156	88	12	NA	NA	0	0	
18-03-2019	3 AM	0	145	87	13	NA	NA	0	0	
18-03-2019	4 AM	0	258	149	20	NA	NA	0	0	
18-03-2019	5 AM	0	256	148	20	NA	NA	0	0	
18-03-2019	6 AM	0	262	149	20	NA	NA	0	0	
18-03-2019	7 AM	0	268	152	21	NA	NA	0	0	
18-03-2019	8 AM	0	119	61	6	NA	NA	0	0	
18-03-2019	9 AM	0	267	152	20	NA	NA	0	0	
18-03-2019	10 AM	0	180	97	12	NA	NA	0	0	
18-03-2019	11 AM	0	272	152	21	NA	NA	0	0	
18-03-2019	12 PM	0	269	152	21	NA	NA	0	0	
18-03-2019	1 PM	0	271	152	28	NA	NA	0	0	
18-03-2019	2 PM	0	266	150	55	NA	NA	0	0	
18-03-2019	3 PM	0	125	62	12	NA	NA	0	0	
18-03-2019	4 PM	0	273	149	25	NA	NA	0	0	
18-03-2019	5 PM	0	117	53	7	NA	NA	0	0	
18-03-2019	6 PM	0	252	131	22	NA	NA	0	0	
18-03-2019	7 PM	0	263	137	22	NA	NA	0	0	
18-03-2019	8 PM	0	260	139	22	NA	NA	0	0	
18-03-2019	9 PM	0	265	136	23	NA	NA	0	0	
18-03-2019	10 PM	0	170	77	13	NA	NA	0	0	

18-03-2019	11 PM	0	210	94	23	NA	NA	0	0	
19-03-2019	12 AM	0	160.5	70	55.5	NA	NA	0	0	
19-03-2019	1 AM	0	230	106	70	NA	NA	0	0	
19-03-2019	2 AM	0	254	125	32	NA	NA	0	0	
19-03-2019	3 AM	0	235	128	25	NA	NA	0	0	
19-03-2019	4 AM	0	222	130	22	NA	NA	0	0	
19-03-2019	5 AM	0	216	133	22	NA	NA	0	0	
19-03-2019	6 AM	0	204	134	22	NA	NA	0	0	
19-03-2019	7 AM	0	206	140	22	NA	NA	0	0	
19-03-2019	8 AM	0	212	148	22	NA	NA	0	0	
19-03-2019	9 AM	0	214	153	22	NA	NA	0	0	
19-03-2019	10 AM	0	222	162	21	NA	NA	0	0	
19-03-2019	11 AM	0	221	164	22	NA	NA	0	0	
19-03-2019	12 PM	0	224	167	44	NA	NA	0	0	
19-03-2019	1 PM	0	259	181	47	NA	NA	0	0	
19-03-2019	2 PM	0	247	178	27	NA	NA	0	0	
19-03-2019	3 PM	0	250	172	22	NA	NA	0	0	
19-03-2019	4 PM	0	252	148	21	NA	NA	0	0	
19-03-2019	5 PM	0	233	143	23	NA	NA	0	0	
19-03-2019	6 PM	0	224	127	24	NA	NA	0	0	
19-03-2019	7 PM	0	203	118	25	NA	NA	0	0	
19-03-2019	8 PM	0	196	113	26	NA	NA	0	0	
19-03-2019	9 PM	0	172	95	39	NA	NA	0	0	
19-03-2019	10 PM	0	168	94	96	NA	NA	0	0	
19-03-2019	11 PM	0	187	111	108	NA	NA	0	0	
20-03-2019	12 AM	0	149.5	97	49	NA	NA	0	0	
20-03-2019	1 AM	0	148	97	29	NA	NA	0	0	
20-03-2019	2 AM	0	169	114	26	NA	NA	0	0	
20-03-2019	3 AM	0	187	131	24	NA	NA	0	0	

20-03-2019	4 AM	0	148	116	25	NA	NA	0	0	
20-03-2019	5 AM	0	143	118	26	NA	NA	0	0	
20-03-2019	6 AM	0	143	121	26	NA	NA	0	0	
20-03-2019	7 AM	0	158	135	25	NA	NA	0	0	
20-03-2019	8 AM	0	251	183	21	NA	NA	0	0	
20-03-2019	9 AM	0	267	189	40	NA	NA	0	0	
20-03-2019	10 AM	0	206	154	74	NA	NA	0	0	
20-03-2019	11 AM	0	209	155	34	NA	NA	0	0	
20-03-2019	12 PM	0	194	150	27	NA	NA	0	0	
20-03-2019	1 PM	0	156	135	26	NA	NA	0	0	
20-03-2019	2 PM	0	157	140	25	NA	NA	0	0	
20-03-2019	3 PM	0	165	147	23	NA	NA	0	0	
20-03-2019	4 PM	0	192	153	23	NA	NA	0	0	
20-03-2019	5 PM	0	211	133	25	NA	NA	0	0	
20-03-2019	6 PM	0	184	116	27	NA	NA	0	0	
20-03-2019	7 PM	0	169	103	26	NA	NA	0	0	
20-03-2019	8 PM	0	157	90	56	NA	NA	0	0	
20-03-2019	9 PM	0	200	96	79	NA	NA	0	0	
20-03-2019	10 PM	0	195	91	37	NA	NA	0	0	
20-03-2019	11 PM	0	169	77	29	NA	NA	0	0	
21-03-2019	12 AM	0	137.5	108.5	27	NA	NA	0	0	
21-03-2019	1 AM	0	122	129	28	NA	NA	0	0	
21-03-2019	2 AM	0	124	151	26	NA	NA	0	0	
21-03-2019	3 AM	0	146	164	27	NA	NA	0	0	
21-03-2019	4 AM	0	132	163	26	NA	NA	0	0	
21-03-2019	5 AM	0	133	172	26	NA	NA	0	0	
21-03-2019	6 AM	0	134	177	26	NA	NA	0	0	
21-03-2019	7 AM	0	121	177	25	NA	NA	0	0	
21-03-2019	8 AM	0	121	196	25	NA	NA	0	0	

21-03-2019	9 AM	0	126	207	33	NA	NA	0	0	
21-03-2019	10 AM	0	137	200	34	NA	NA	0	0	
21-03-2019	11 AM	0	119	195	27	NA	NA	0	0	
21-03-2019	12 PM	0	112	196	25	NA	NA	0	0	
21-03-2019	1 PM	0	111	201	25	NA	NA	0	0	
21-03-2019	2 PM	0	135	220	26	NA	NA	0	0	
21-03-2019	3 PM	0	168	234	25	NA	NA	0	0	
21-03-2019	4 PM	0	163	226	25	NA	NA	0	0	
21-03-2019	5 PM	0	180	232	24	NA	NA	0	0	
21-03-2019	6 PM	0	197	243	23	NA	NA	0	0	
21-03-2019	7 PM	0	149	219	26	NA	NA	0	0	
21-03-2019	8 PM	0	173	229	28	NA	NA	0	0	
21-03-2019	9 PM	0	171	227	26	NA	NA	0	0	
21-03-2019	10 PM	0	138	213	26	NA	NA	0	0	
21-03-2019	11 PM	0	157	208	25	NA	NA	0	0	
22-03-2019	12 AM	0	145.5	219	25.5	NA	NA	0	0	
22-03-2019	1 AM	0	178	127	28	NA	NA	0	0	
22-03-2019	2 AM	0	161	113	27	NA	NA	0	0	
22-03-2019	3 AM	0	151	88	28	NA	NA	0	0	
22-03-2019	4 AM	0	146	77	30	NA	NA	0	0	
22-03-2019	5 AM	0	117	60	30	NA	NA	0	0	
22-03-2019	6 AM	0	125	63	30	NA	NA	0	0	
22-03-2019	7 AM	0	122	63	46	NA	NA	0	0	
22-03-2019	8 AM	0	155	93	31	NA	NA	0	0	
22-03-2019	9 AM	0	210	128	28	NA	NA	0	0	
22-03-2019	10 AM	0	204	136	26	NA	NA	0	0	
22-03-2019	11 AM	0	238	159	25	NA	NA	0	0	
22-03-2019	12 PM	0	236	160	26	NA	NA	0	0	
22-03-2019	1 PM	0	196	123	25	NA	NA	0	0	

22-03-2019	2 PM	1	264	138	27	NA	NA	0	0	
22-03-2019	3 PM	1	275	140	29	NA	NA	0	0	
22-03-2019	4 PM	2	246	195	17	NA	NA	0	0	
22-03-2019	5 PM	1	229	210	15	NA	NA	0	0	
22-03-2019	6 PM	1	235	229	19	NA	NA	0	0	
22-03-2019	7 PM	1	263	226	46	NA	NA	0	0	
22-03-2019	8 PM	1	205	198	35	NA	NA	0	0	
22-03-2019	9 PM	1	236	235	26	NA	NA	0	0	
22-03-2019	10 PM	1	248	252	22	NA	NA	0	0	
22-03-2019	11 PM	1	243	254	23	NA	NA	0	0	
23-03-2019	12 AM	1	199.5	236.5	22.5	NA	NA	0	0	
23-03-2019	1 AM	1	223	247	22	NA	NA	0	0	
23-03-2019	2 AM	1	244	257	22	NA	NA	0	0	
23-03-2019	3 AM	1	250	261	24	NA	NA	0	0	
23-03-2019	4 AM	1	256	263	24	NA	NA	0	0	
23-03-2019	5 AM	1	255	267	24	NA	NA	0	0	
23-03-2019	6 AM	1	243	261	24	NA	NA	0	0	
23-03-2019	7 AM	1	243	263	24	NA	NA	0	0	
23-03-2019	8 AM	1	238	261	24	NA	NA	0	0	
23-03-2019	9 AM	1	241	263	23	NA	NA	0	0	
23-03-2019	10 AM	1	248	268	24	NA	NA	0	0	
23-03-2019	11 AM	1	259	268	48	NA	NA	0	0	
23-03-2019	12 PM	1	275	271	100	NA	NA	0	0	
23-03-2019	1 PM	1	285	271	129	NA	NA	0	0	
23-03-2019	2 PM	1	292	270	149	NA	NA	0	0	
23-03-2019	3 PM	1	296	264	89	NA	NA	0	0	
23-03-2019	4 PM	1	269	246	36	NA	NA	0	0	
23-03-2019	5 PM	1	248	248	52	NA	NA	0	0	
23-03-2019	6 PM	1	264	261	42	NA	NA	0	0	

23-03-2019	7 PM	1	264	261	28	NA	NA	0	0	
23-03-2019	8 PM	1	261	266	24	NA	NA	0	0	
23-03-2019	9 PM	1	253	262	20	NA	NA	0	0	
23-03-2019	10 PM	1	257	261	21	NA	NA	0	0	
23-03-2019	11 PM	1	229	241	24	NA	NA	0	0	
24-03-2019	12 AM	0.5	171	259.5	24.5	NA	NA	0	0	
24-03-2019	1 AM	0	180	202	28	NA	NA	0	0	
24-03-2019	2 AM	0	142	179	27	NA	NA	0	0	
24-03-2019	3 AM	0	171	230	26	NA	NA	0	0	
24-03-2019	4 AM	0	148	206	25	NA	NA	0	0	
24-03-2019	5 AM	0	151	210	26	NA	NA	0	0	
24-03-2019	6 AM	0	139	206	25	NA	NA	0	0	
24-03-2019	7 AM	0	137	205	33	NA	NA	0	0	
24-03-2019	8 AM	0	153	215	37	NA	NA	0	0	
24-03-2019	9 AM	0	137	212	28	NA	NA	0	0	
24-03-2019	10 AM	0	133	213	25	NA	NA	0	0	
24-03-2019	11 AM	0	141	219	26	NA	NA	0	0	
24-03-2019	12 PM	0	141	220	26	NA	NA	0	0	
24-03-2019	1 PM	0	141	220	25	NA	NA	0	0	
24-03-2019	2 PM	0	144	222	25	NA	NA	0	0	
24-03-2019	3 PM	0	149	225	24	NA	NA	0	0	
24-03-2019	4 PM	0	166	234	24	NA	NA	0	0	
24-03-2019	5 PM	0	173	235	25	NA	NA	0	0	
24-03-2019	6 PM	0	162	230	26	NA	NA	0	0	
24-03-2019	7 PM	0	168	230	25	NA	NA	0	0	
24-03-2019	8 PM	0	165	231	26	NA	NA	0	0	
24-03-2019	9 PM	0	151	219	25	NA	NA	0	0	
24-03-2019	10 PM	0	175	236	25	NA	NA	0	0	
24-03-2019	11 PM	0	186	240	24	NA	NA	0	0	

25-03-2019	12 AM	0	131.5	207	24	NA	NA	0	0	
25-03-2019	1 AM	0	172	232	25	NA	NA	0	0	
25-03-2019	2 AM	0	200	245	23	NA	NA	0	0	
25-03-2019	3 AM	0	202	248	22	NA	NA	0	0	
25-03-2019	4 AM	0	238	256	22	NA	NA	0	0	
25-03-2019	5 AM	0	235	247	25	NA	NA	0	0	
25-03-2019	6 AM	0	215	238	25	NA	NA	0	0	
25-03-2019	7 AM	0	218	237	25	NA	NA	0	0	
25-03-2019	8 AM	0	196	230	26	NA	NA	0	0	
25-03-2019	9 AM	0	202	229	57	NA	NA	0	0	
25-03-2019	10 AM	0	213	232	49	NA	NA	0	0	
25-03-2019	11 AM	0	204	234	29	NA	NA	0	0	
25-03-2019	12 PM	0	216	242	25	NA	NA	0	0	
25-03-2019	1 PM	0	189	232	25	NA	NA	0	0	
25-03-2019	2 PM	0	168	218	26	NA	NA	0	0	
25-03-2019	3 PM	0	180	226	24	NA	NA	0	0	
25-03-2019	4 PM	0	179	229	26	NA	NA	0	0	
25-03-2019	5 PM	0	232	251	24	NA	NA	0	0	
25-03-2019	6 PM	0	213	238	65	NA	NA	0	0	
25-03-2019	7 PM	0	264	249	70	NA	NA	0	0	
25-03-2019	8 PM	0	252	245	42	NA	NA	0	0	
25-03-2019	9 PM	0	228	234	31	NA	NA	0	0	
25-03-2019	10 PM	0	221	227	26	NA	NA	0	0	
25-03-2019	11 PM	0	220	223	26	NA	NA	0	0	
26-03-2019	12 AM	0	170.5	190	28.5	NA	NA	0	0	
26-03-2019	1 AM	0	196	197	31	NA	NA	0	0	
26-03-2019	2 AM	0	212	202	30	NA	NA	0	0	
26-03-2019	3 AM	0	187	190	31	NA	NA	0	0	
26-03-2019	4 AM	0	188	201	31	NA	NA	0	0	

26-03-2019	5 AM	0	207	208	80	NA	NA	0	0	
26-03-2019	6 AM	0	222	215	142	NA	NA	0	0	
26-03-2019	7 AM	0	240	226	156	NA	NA	0	0	
26-03-2019	8 AM	0	247	238	78	NA	NA	0	0	
26-03-2019	9 AM	0	214	235	35	NA	NA	0	0	
26-03-2019	10 AM	0	202	238	26	NA	NA	0	0	
26-03-2019	11 AM	0	185	235	23	NA	NA	0	0	
26-03-2019	12 PM	0	178	232	23	NA	NA	0	0	
26-03-2019	1 PM	0	176	225	22	NA	NA	0	0	
26-03-2019	2 PM	0	173	224	23	NA	NA	0	0	
26-03-2019	3 PM	0	168	222	23	NA	NA	0	0	
26-03-2019	4 PM	0	161	221	23	NA	NA	0	0	
26-03-2019	5 PM	0	160	223	23	NA	NA	0	0	
26-03-2019	6 PM	0	144	219	23	NA	NA	0	0	
26-03-2019	7 PM	0	146	222	21	NA	NA	0	0	
26-03-2019	8 PM	0	142	223	21	NA	NA	0	0	
26-03-2019	9 PM	0	141	224	21	NA	NA	0	0	
26-03-2019	10 PM	0	145	227	21	NA	NA	0	0	
26-03-2019	11 PM	0	145	225	21	NA	NA	0	0	
27-03-2019	12 AM	0	0	0	0	NA	NA	0	0	
27-03-2019	1 AM	0	168	246	43	NA	NA	0	0	
27-03-2019	2 AM	0	151	225	32	NA	NA	0	0	
27-03-2019	3 AM	-	-	-	-	-	-	-	-	
27-03-2019	4 AM	-	-	-	-	-	-	-	-	
27-03-2019	5 AM	-	-	-	-	-	-	-	-	
27-03-2019	6 AM	-	-	-	-	-	-	-	-	
27-03-2019	7 AM	-	-	-	-	-	-	-	-	
27-03-2019	8 AM	-	-	-	-	-	-	-	-	
27-03-2019	9 AM	-	-	-	-	-	-	-	-	

27-03-2019	10 AM	-	-	-	-	-	-	-	-	
27-03-2019	11 AM	-	-	-	-	-	-	-	-	
27-03-2019	12 PM	-	-	-	-	-	-	-	-	
27-03-2019	1 PM	-	-	-	-	-	-	-	-	
27-03-2019	2 PM	-	-	-	-	-	-	-	-	
27-03-2019	3 PM	-	-	-	-	-	-	-	-	
27-03-2019	4 PM	-	-	-	-	-	-	-	-	
27-03-2019	5 PM	-	-	-	-	-	-	-	-	
27-03-2019	6 PM	-	-	-	-	-	-	-	-	
27-03-2019	7 PM	-	-	-	-	-	-	-	-	
27-03-2019	8 PM	-	-	-	-	-	-	-	-	
27-03-2019	9 PM	-	-	-	-	-	-	-	-	
27-03-2019	10 PM	-	-	-	-	-	-	-	-	
27-03-2019	11 PM	-	-	-	-	-	-	-	-	
28-03-2019	12 AM	-	-	-	-	-	-	-	-	
28-03-2019	1 AM	-	-	-	-	-	-	-	-	
28-03-2019	2 AM	-	-	-	-	-	-	-	-	
28-03-2019	3 AM	-	-	-	-	-	-	-	-	
28-03-2019	4 AM	-	-	-	-	-	-	-	-	
28-03-2019	5 AM	-	-	-	-	-	-	-	-	
28-03-2019	6 AM	-	-	-	-	-	-	-	-	
28-03-2019	7 AM	-	-	-	-	-	-	-	-	
28-03-2019	8 AM	-	-	-	-	-	-	-	-	
28-03-2019	9 AM	-	-	-	-	-	-	-	-	
28-03-2019	10 AM	-	-	-	-	-	-	-	-	
28-03-2019	11 AM	-	-	-	-	-	-	-	-	
28-03-2019	12 PM	-	-	-	-	-	-	-	-	
28-03-2019	1 PM	-	-	-	-	-	-	-	-	
28-03-2019	2 PM	-	-	-	-	-	-	-	-	

28-03-2019	3 PM	-	-	-	-	-	-	-	-	
28-03-2019	4 PM	-	-	-	-	-	-	-	-	
28-03-2019	5 PM	-	-	-	-	-	-	-	-	
28-03-2019	6 PM	-	-	-	-	-	-	-	-	
28-03-2019	7 PM	-	-	-	-	-	-	-	-	
28-03-2019	8 PM	-	-	-	-	-	-	-	-	
28-03-2019	9 PM	-	-	-	-	-	-	-	-	
28-03-2019	10 PM	-	-	-	-	-	-	-	-	
28-03-2019	11 PM	-	-	-	-	-	-	-	-	
29-03-2019	12 AM	-	-	-	-	-	-	-	-	
29-03-2019	1 AM	-	-	-	-	-	-	-	-	
29-03-2019	2 AM	-	-	-	-	-	-	-	-	
29-03-2019	3 AM	-	-	-	-	-	-	-	-	
29-03-2019	4 AM	-	-	-	-	-	-	-	-	
29-03-2019	5 AM	-	-	-	-	-	-	-	-	
29-03-2019	6 AM	-	-	-	-	-	-	-	-	
29-03-2019	7 AM	-	-	-	-	-	-	-	-	
29-03-2019	8 AM	-	-	-	-	-	-	-	-	
29-03-2019	9 AM	-	-	-	-	-	-	-	-	
29-03-2019	10 AM	3	101	152	44	NA	NA	0	0	
29-03-2019	11 AM	-	-	-	-	-	-	-	-	
29-03-2019	12 PM	-	-	-	-	-	-	-	-	
29-03-2019	1 PM	-	-	-	-	-	-	-	-	
29-03-2019	2 PM	-	-	-	-	-	-	-	-	
29-03-2019	3 PM	-	-	-	-	-	-	-	-	
29-03-2019	4 PM	-	-	-	-	-	-	-	-	
29-03-2019	5 PM	-	-	-	-	-	-	-	-	
29-03-2019	6 PM	0	0	0	0	NA	NA	0	0	
29-03-2019	7 PM	0	71	141	44	NA	NA	0	0	

29-03-2019	8 PM	-	-	-	-	-	-	-	-	
29-03-2019	9 PM	-	-	-	-	-	-	-	-	
29-03-2019	10 PM	-	-	-	-	-	-	-	-	
29-03-2019	11 PM	-	-	-	-	-	-	-	-	
30-03-2019	12 AM	-	-	-	-	-	-	-	-	
30-03-2019	1 AM	-	-	-	-	-	-	-	-	
30-03-2019	2 AM	-	-	-	-	-	-	-	-	
30-03-2019	3 AM	-	-	-	-	-	-	-	-	
30-03-2019	4 AM	-	-	-	-	-	-	-	-	
30-03-2019	5 AM	-	-	-	-	-	-	-	-	
30-03-2019	6 AM	-	-	-	-	-	-	-	-	
30-03-2019	7 AM	-	-	-	-	-	-	-	-	
30-03-2019	8 AM	-	-	-	-	-	-	-	-	
30-03-2019	9 AM	-	-	-	-	-	-	-	-	
30-03-2019	10 AM	-	-	-	-	-	-	-	-	
30-03-2019	11 AM	-	-	-	-	-	-	-	-	
30-03-2019	12 PM	-	-	-	-	-	-	-	-	
30-03-2019	1 PM	-	-	-	-	-	-	-	-	
30-03-2019	2 PM	-	-	-	-	-	-	-	-	
30-03-2019	3 PM	-	-	-	-	-	-	-	-	
30-03-2019	4 PM	-	-	-	-	-	-	-	-	
30-03-2019	5 PM	-	-	-	-	-	-	-	-	
30-03-2019	6 PM	-	-	-	-	-	-	-	-	
30-03-2019	7 PM	-	-	-	-	-	-	-	-	
30-03-2019	8 PM	-	-	-	-	-	-	-	-	
30-03-2019	9 PM	-	-	-	-	-	-	-	-	
30-03-2019	10 PM	-	-	-	-	-	-	-	-	
30-03-2019	11 PM	-	-	-	-	-	-	-	-	
31-03-2019	12 AM	-	-	-	-	-	-	-	-	

31-03-2019	1 AM	-	-	-	-	-	-	-	-	
31-03-2019	2 AM	-	-	-	-	-	-	-	-	
31-03-2019	3 AM	-	-	-	-	-	-	-	-	
31-03-2019	4 AM	0	13	17	0	NA	NA	0	0	
31-03-2019	5 AM	0	20	39	2	NA	NA	0	0	
31-03-2019	6 AM	0	25	41	1	NA	NA	0	0	
31-03-2019	7 AM	1	75	79	8	NA	NA	0	0	
31-03-2019	8 AM	0	48	57	4	NA	NA	0	0	
31-03-2019	9 AM	0	86	84	10	NA	NA	0	0	
31-03-2019	10 AM	0	155	135	22	NA	NA	0	0	
31-03-2019	11 AM	0	253	188	35	NA	NA	0	0	
31-03-2019	12 PM	0	149	114	21	NA	NA	0	0	
31-03-2019	1 PM	0	259	178	36	NA	NA	0	0	
31-03-2019	2 PM	0	238	156	32	NA	NA	0	0	
31-03-2019	3 PM	0	17	15	1	NA	NA	0	0	
31-03-2019	4 PM	-	-	-	-	-	-	-	-	
31-03-2019	5 PM	-	-	-	-	-	-	-	-	
31-03-2019	6 PM	-	-	-	-	-	-	-	-	
31-03-2019	7 PM	1	21	20	17	NA	NA	0	0	
31-03-2019	8 PM	0	130	88	44	NA	NA	0	0	
31-03-2019	9 PM	0	219	143	43	NA	NA	0	0	
31-03-2019	10 PM	0	216	147	34	NA	NA	0	0	
31-03-2019	11 PM	0	215	138	33	NA	NA	0	0	

Annex G4

Hourly Average of Parameters Measured in CHP 3

Date	Hour	CHP 3 Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO2	NMVOCs	VOC (including methane)	HCL	HF	
01-03-2019	12 AM	-	-	-	-	-	-	-	-	
01-03-2019	1 AM	-	-	-	-	-	-	-	-	
01-03-2019	2 AM	-	-	-	-	-	-	-	-	
01-03-2019	3 AM	-	-	-	-	-	-	-	-	
01-03-2019	4 AM	-	-	-	-	-	-	-	-	
01-03-2019	5 AM	-	-	-	-	-	-	-	-	
01-03-2019	6 AM	-	-	-	-	-	-	-	-	
01-03-2019	7 AM	-	-	-	-	-	-	-	-	
01-03-2019	8 AM	-	-	-	-	-	-	-	-	
01-03-2019	9 AM	-	-	-	-	-	-	-	-	
01-03-2019	10 AM	-	-	-	-	-	-	-	-	
01-03-2019	11 AM	-	-	-	-	-	-	-	-	
01-03-2019	12 PM	-	-	-	-	-	-	-	-	
01-03-2019	1 PM	-	-	-	-	-	-	-	-	
01-03-2019	2 PM	-	-	-	-	-	-	-	-	
01-03-2019	3 PM	-	-	-	-	-	-	-	-	
01-03-2019	4 PM	-	-	-	-	-	-	-	-	
01-03-2019	5 PM	-	-	-	-	-	-	-	-	
01-03-2019	6 PM	-	-	-	-	-	-	-	-	
01-03-2019	7 PM	-	-	-	-	-	-	-	-	
01-03-2019	8 PM	-	-	-	-	-	-	-	-	
01-03-2019	9 PM	-	-	-	-	-	-	-	-	
01-03-2019	10 PM	-	-	-	-	-	-	-	-	
01-03-2019	11 PM	-	-	-	-	-	-	-	-	
02-03-2019	12 AM	-	-	-	-	-	-	-	-	

02-03-2019	1 AM	-	-	-	-	-	-	-	-	
02-03-2019	2 AM	-	-	-	-	-	-	-	-	
02-03-2019	3 AM	-	-	-	-	-	-	-	-	
02-03-2019	4 AM	-	-	-	-	-	-	-	-	
02-03-2019	5 AM	-	-	-	-	-	-	-	-	
02-03-2019	6 AM	-	-	-	-	-	-	-	-	
02-03-2019	7 AM	-	-	-	-	-	-	-	-	
02-03-2019	8 AM	-	-	-	-	-	-	-	-	
02-03-2019	9 AM	-	-	-	-	-	-	-	-	
02-03-2019	10 AM	-	-	-	-	-	-	-	-	
02-03-2019	11 AM	-	-	-	-	-	-	-	-	
02-03-2019	12 PM	-	-	-	-	-	-	-	-	
02-03-2019	1 PM	-	-	-	-	-	-	-	-	
02-03-2019	2 PM	-	-	-	-	-	-	-	-	
02-03-2019	3 PM	-	-	-	-	-	-	-	-	
02-03-2019	4 PM	-	-	-	-	-	-	-	-	
02-03-2019	5 PM	-	-	-	-	-	-	-	-	
02-03-2019	6 PM	-	-	-	-	-	-	-	-	
02-03-2019	7 PM	-	-	-	-	-	-	-	-	
02-03-2019	8 PM	-	-	-	-	-	-	-	-	
02-03-2019	9 PM	-	-	-	-	-	-	-	-	
02-03-2019	10 PM	-	-	-	-	-	-	-	-	
02-03-2019	11 PM	-	-	-	-	-	-	-	-	
03-03-2019	12 AM	-	-	-	-	-	-	-	-	
03-03-2019	1 AM	-	-	-	-	-	-	-	-	
03-03-2019	2 AM	-	-	-	-	-	-	-	-	
03-03-2019	3 AM	-	-	-	-	-	-	-	-	
03-03-2019	4 AM	-	-	-	-	-	-	-	-	
03-03-2019	5 AM	-	-	-	-	-	-	-	-	

03-03-2019	6 AM	-	-	-	-	-	-	-	-	
03-03-2019	7 AM	-	-	-	-	-	-	-	-	
03-03-2019	8 AM	-	-	-	-	-	-	-	-	
03-03-2019	9 AM	-	-	-	-	-	-	-	-	
03-03-2019	10 AM	-	-	-	-	-	-	-	-	
03-03-2019	11 AM	-	-	-	-	-	-	-	-	
03-03-2019	12 PM	-	-	-	-	-	-	-	-	
03-03-2019	1 PM	-	-	-	-	-	-	-	-	
03-03-2019	2 PM	-	-	-	-	-	-	-	-	
03-03-2019	3 PM	-	-	-	-	-	-	-	-	
03-03-2019	4 PM	-	-	-	-	-	-	-	-	
03-03-2019	5 PM	-	-	-	-	-	-	-	-	
03-03-2019	6 PM	-	-	-	-	-	-	-	-	
03-03-2019	7 PM	-	-	-	-	-	-	-	-	
03-03-2019	8 PM	-	-	-	-	-	-	-	-	
03-03-2019	9 PM	-	-	-	-	-	-	-	-	
03-03-2019	10 PM	-	-	-	-	-	-	-	-	
03-03-2019	11 PM	-	-	-	-	-	-	-	-	
04-03-2019	12 AM	-	-	-	-	-	-	-	-	
04-03-2019	1 AM	-	-	-	-	-	-	-	-	
04-03-2019	2 AM	-	-	-	-	-	-	-	-	
04-03-2019	3 AM	-	-	-	-	-	-	-	-	
04-03-2019	4 AM	-	-	-	-	-	-	-	-	
04-03-2019	5 AM	-	-	-	-	-	-	-	-	
04-03-2019	6 AM	-	-	-	-	-	-	-	-	
04-03-2019	7 AM	-	-	-	-	-	-	-	-	
04-03-2019	8 AM	-	-	-	-	-	-	-	-	
04-03-2019	9 AM	-	-	-	-	-	-	-	-	
04-03-2019	10 AM	-	-	-	-	-	-	-	-	

04-03-2019	11 AM	-	-	-	-	-	-	-	-	
04-03-2019	12 PM	-	-	-	-	-	-	-	-	
04-03-2019	1 PM	-	-	-	-	-	-	-	-	
04-03-2019	2 PM	-	-	-	-	-	-	-	-	
04-03-2019	3 PM	-	-	-	-	-	-	-	-	
04-03-2019	4 PM	-	-	-	-	-	-	-	-	
04-03-2019	5 PM	-	-	-	-	-	-	-	-	
04-03-2019	6 PM	-	-	-	-	-	-	-	-	
04-03-2019	7 PM	-	-	-	-	-	-	-	-	
04-03-2019	8 PM	-	-	-	-	-	-	-	-	
04-03-2019	9 PM	-	-	-	-	-	-	-	-	
04-03-2019	10 PM	-	-	-	-	-	-	-	-	
04-03-2019	11 PM	-	-	-	-	-	-	-	-	
05-03-2019	12 AM	-	-	-	-	-	-	-	-	
05-03-2019	1 AM	-	-	-	-	-	-	-	-	
05-03-2019	2 AM	-	-	-	-	-	-	-	-	
05-03-2019	3 AM	-	-	-	-	-	-	-	-	
05-03-2019	4 AM	-	-	-	-	-	-	-	-	
05-03-2019	5 AM	-	-	-	-	-	-	-	-	
05-03-2019	6 AM	-	-	-	-	-	-	-	-	
05-03-2019	7 AM	-	-	-	-	-	-	-	-	
05-03-2019	8 AM	-	-	-	-	-	-	-	-	
05-03-2019	9 AM	-	-	-	-	-	-	-	-	
05-03-2019	10 AM	-	-	-	-	-	-	-	-	
05-03-2019	11 AM	-	-	-	-	-	-	-	-	
05-03-2019	12 PM	-	-	-	-	-	-	-	-	
05-03-2019	1 PM	-	-	-	-	-	-	-	-	
05-03-2019	2 PM	-	-	-	-	-	-	-	-	
05-03-2019	3 PM	-	-	-	-	-	-	-	-	

05-03-2019	4 PM	-	-	-	-	-	-	-	-	
05-03-2019	5 PM	-	-	-	-	-	-	-	-	
05-03-2019	6 PM	-	-	-	-	-	-	-	-	
05-03-2019	7 PM	-	-	-	-	-	-	-	-	
05-03-2019	8 PM	-	-	-	-	-	-	-	-	
05-03-2019	9 PM	-	-	-	-	-	-	-	-	
05-03-2019	10 PM	-	-	-	-	-	-	-	-	
05-03-2019	11 PM	-	-	-	-	-	-	-	-	
06-03-2019	12 AM	-	-	-	-	-	-	-	-	
06-03-2019	1 AM	-	-	-	-	-	-	-	-	
06-03-2019	2 AM	-	-	-	-	-	-	-	-	
06-03-2019	3 AM	-	-	-	-	-	-	-	-	
06-03-2019	4 AM	-	-	-	-	-	-	-	-	
06-03-2019	5 AM	-	-	-	-	-	-	-	-	
06-03-2019	6 AM	-	-	-	-	-	-	-	-	
06-03-2019	7 AM	-	-	-	-	-	-	-	-	
06-03-2019	8 AM	-	-	-	-	-	-	-	-	
06-03-2019	9 AM	-	-	-	-	-	-	-	-	
06-03-2019	10 AM	-	-	-	-	-	-	-	-	
06-03-2019	11 AM	-	-	-	-	-	-	-	-	
06-03-2019	12 PM	-	-	-	-	-	-	-	-	
06-03-2019	1 PM	-	-	-	-	-	-	-	-	
06-03-2019	2 PM	-	-	-	-	-	-	-	-	
06-03-2019	3 PM	-	-	-	-	-	-	-	-	
06-03-2019	4 PM	-	-	-	-	-	-	-	-	
06-03-2019	5 PM	-	-	-	-	-	-	-	-	
06-03-2019	6 PM	-	-	-	-	-	-	-	-	
06-03-2019	7 PM	-	-	-	-	-	-	-	-	
06-03-2019	8 PM	-	-	-	-	-	-	-	-	

06-03-2019	9 PM	-	-	-	-	-	-	-	-	
06-03-2019	10 PM	-	-	-	-	-	-	-	-	
06-03-2019	11 PM	-	-	-	-	-	-	-	-	
07-03-2019	12 AM	-	-	-	-	-	-	-	-	
07-03-2019	1 AM	-	-	-	-	-	-	-	-	
07-03-2019	2 AM	-	-	-	-	-	-	-	-	
07-03-2019	3 AM	-	-	-	-	-	-	-	-	
07-03-2019	4 AM	-	-	-	-	-	-	-	-	
07-03-2019	5 AM	-	-	-	-	-	-	-	-	
07-03-2019	6 AM	-	-	-	-	-	-	-	-	
07-03-2019	7 AM	-	-	-	-	-	-	-	-	
07-03-2019	8 AM	-	-	-	-	-	-	-	-	
07-03-2019	9 AM	-	-	-	-	-	-	-	-	
07-03-2019	10 AM	-	-	-	-	-	-	-	-	
07-03-2019	11 AM	-	-	-	-	-	-	-	-	
07-03-2019	12 PM	-	-	-	-	-	-	-	-	
07-03-2019	1 PM	-	-	-	-	-	-	-	-	
07-03-2019	2 PM	-	-	-	-	-	-	-	-	
07-03-2019	3 PM	-	-	-	-	-	-	-	-	
07-03-2019	4 PM	-	-	-	-	-	-	-	-	
07-03-2019	5 PM	-	-	-	-	-	-	-	-	
07-03-2019	6 PM	-	-	-	-	-	-	-	-	
07-03-2019	7 PM	-	-	-	-	-	-	-	-	
07-03-2019	8 PM	-	-	-	-	-	-	-	-	
07-03-2019	9 PM	-	-	-	-	-	-	-	-	
07-03-2019	10 PM	-	-	-	-	-	-	-	-	
07-03-2019	11 PM	-	-	-	-	-	-	-	-	
08-03-2019	12 AM	-	-	-	-	-	-	-	-	
08-03-2019	1 AM	-	-	-	-	-	-	-	-	

08-03-2019	2 AM	-	-	-	-	-	-	-	-	
08-03-2019	3 AM	-	-	-	-	-	-	-	-	
08-03-2019	4 AM	-	-	-	-	-	-	-	-	
08-03-2019	5 AM	-	-	-	-	-	-	-	-	
08-03-2019	6 AM	-	-	-	-	-	-	-	-	
08-03-2019	7 AM	-	-	-	-	-	-	-	-	
08-03-2019	8 AM	-	-	-	-	-	-	-	-	
08-03-2019	9 AM	-	-	-	-	-	-	-	-	
08-03-2019	10 AM	-	-	-	-	-	-	-	-	
08-03-2019	11 AM	-	-	-	-	-	-	-	-	
08-03-2019	12 PM	-	-	-	-	-	-	-	-	
08-03-2019	1 PM	-	-	-	-	-	-	-	-	
08-03-2019	2 PM	-	-	-	-	-	-	-	-	
08-03-2019	3 PM	-	-	-	-	-	-	-	-	
08-03-2019	4 PM	-	-	-	-	-	-	-	-	
08-03-2019	5 PM	-	-	-	-	-	-	-	-	
08-03-2019	6 PM	-	-	-	-	-	-	-	-	
08-03-2019	7 PM	-	-	-	-	-	-	-	-	
08-03-2019	8 PM	-	-	-	-	-	-	-	-	
08-03-2019	9 PM	-	-	-	-	-	-	-	-	
08-03-2019	10 PM	-	-	-	-	-	-	-	-	
08-03-2019	11 PM	-	-	-	-	-	-	-	-	
09-03-2019	12 AM	-	-	-	-	-	-	-	-	
09-03-2019	1 AM	-	-	-	-	-	-	-	-	
09-03-2019	2 AM	-	-	-	-	-	-	-	-	
09-03-2019	3 AM	1	121	447	19	NA	NA	0	1	
09-03-2019	4 AM	-	-	-	-	-	-	-	-	
09-03-2019	5 AM	-	-	-	-	-	-	-	-	
09-03-2019	6 AM	-	-	-	-	-	-	-	-	

09-03-2019	7 AM	-	-	-	-	-	-	-	-	
09-03-2019	8 AM	-	-	-	-	-	-	-	-	
09-03-2019	9 AM	-	-	-	-	-	-	-	-	
09-03-2019	10 AM	-	-	-	-	-	-	-	-	
09-03-2019	11 AM	-	-	-	-	-	-	-	-	
09-03-2019	12 PM	-	-	-	-	-	-	-	-	
09-03-2019	1 PM	-	-	-	-	-	-	-	-	
09-03-2019	2 PM	-	-	-	-	-	-	-	-	
09-03-2019	3 PM	-	-	-	-	-	-	-	-	
09-03-2019	4 PM	-	-	-	-	-	-	-	-	
09-03-2019	5 PM	-	-	-	-	-	-	-	-	
09-03-2019	6 PM	-	-	-	-	-	-	-	-	
09-03-2019	7 PM	-	-	-	-	-	-	-	-	
09-03-2019	8 PM	-	-	-	-	-	-	-	-	
09-03-2019	9 PM	-	-	-	-	-	-	-	-	
09-03-2019	10 PM	-	-	-	-	-	-	-	-	
09-03-2019	11 PM	1	219	320	35	NA	NA	0	1	
10-03-2019	12 AM	3	163	246	25	NA	NA	0	0	
10-03-2019	1 AM	3	206	208	20	NA	NA	0	0	
10-03-2019	2 AM	3	233	215	17	NA	NA	0	0	
10-03-2019	3 AM	2	215	206	18	NA	NA	0	0	
10-03-2019	4 AM	2	209	205	19	NA	NA	0	0	
10-03-2019	5 AM	2	209	202	19	NA	NA	0	0	
10-03-2019	6 AM	2	227	203	19	NA	NA	0	0	
10-03-2019	7 AM	2	243	206	18	NA	NA	0	0	
10-03-2019	8 AM	2	234	204	19	NA	NA	0	0	
10-03-2019	9 AM	2	215	198	30	NA	NA	0	0	
10-03-2019	10 AM	2	224	195	85	NA	NA	0	0	
10-03-2019	11 AM	2	249	198	83	NA	NA	0	0	

10-03-2019	12 PM	2	232	198	38	NA	NA	0	0	
10-03-2019	1 PM	3	283	216	25	NA	NA	0	0	
10-03-2019	2 PM	3	278	185	20	NA	NA	0	0.5	
10-03-2019	3 PM	1	191	145	18	NA	NA	0	0	
10-03-2019	4 PM	1	191	145	18	NA	NA	0	0	
10-03-2019	5 PM	1	187	162	17	NA	NA	0	0	
10-03-2019	6 PM	1	187	206	16	NA	NA	0	0	
10-03-2019	7 PM	-	-	-	-	-	-	-	-	
10-03-2019	8 PM	-	-	-	-	-	-	-	-	
10-03-2019	9 PM	-	-	-	-	-	-	-	-	
10-03-2019	10 PM	-	-	-	-	-	-	-	-	
10-03-2019	11 PM	-	-	-	-	-	-	-	-	
11-03-2019	12 AM	-	-	-	-	-	-	-	-	
11-03-2019	1 AM	-	-	-	-	-	-	-	-	
11-03-2019	2 AM	-	-	-	-	-	-	-	-	
11-03-2019	3 AM	-	-	-	-	-	-	-	-	
11-03-2019	4 AM	-	-	-	-	-	-	-	-	
11-03-2019	5 AM	-	-	-	-	-	-	-	-	
11-03-2019	6 AM	-	-	-	-	-	-	-	-	
11-03-2019	7 AM	-	-	-	-	-	-	-	-	
11-03-2019	8 AM	-	-	-	-	-	-	-	-	
11-03-2019	9 AM	-	-	-	-	-	-	-	-	
11-03-2019	10 AM	-	-	-	-	-	-	-	-	
11-03-2019	11 AM	-	-	-	-	-	-	-	-	
11-03-2019	12 PM	-	-	-	-	-	-	-	-	
11-03-2019	1 PM	-	-	-	-	-	-	-	-	
11-03-2019	2 PM	-	-	-	-	-	-	-	-	
11-03-2019	3 PM	-	-	-	-	-	-	-	-	
11-03-2019	4 PM	-	-	-	-	-	-	-	-	

11-03-2019	5 PM	-	-	-	-	-	-	-	-	
11-03-2019	6 PM	-	-	-	-	-	-	-	-	
11-03-2019	7 PM	-	-	-	-	-	-	-	-	
11-03-2019	8 PM	-	-	-	-	-	-	-	-	
11-03-2019	9 PM	-	-	-	-	-	-	-	-	
11-03-2019	10 PM	-	-	-	-	-	-	-	-	
11-03-2019	11 PM	-	-	-	-	-	-	-	-	
12-03-2019	12 AM	-	-	-	-	-	-	-	-	
12-03-2019	1 AM	-	-	-	-	-	-	-	-	
12-03-2019	2 AM	-	-	-	-	-	-	-	-	
12-03-2019	3 AM	-	-	-	-	-	-	-	-	
12-03-2019	4 AM	-	-	-	-	-	-	-	-	
12-03-2019	5 AM	-	-	-	-	-	-	-	-	
12-03-2019	6 AM	1	168	586	17	NA	NA	0	1	
12-03-2019	7 AM	-	-	-	-	-	-	-	-	
12-03-2019	8 AM	-	-	-	-	-	-	-	-	
12-03-2019	9 AM	-	-	-	-	-	-	-	-	
12-03-2019	10 AM	-	-	-	-	-	-	-	-	
12-03-2019	11 AM	-	-	-	-	-	-	-	-	
12-03-2019	12 PM	-	-	-	-	-	-	-	-	
12-03-2019	1 PM	-	-	-	-	-	-	-	-	
12-03-2019	2 PM	-	-	-	-	-	-	-	-	
12-03-2019	3 PM	-	-	-	-	-	-	-	-	
12-03-2019	4 PM	-	-	-	-	-	-	-	-	
12-03-2019	5 PM	-	-	-	-	-	-	-	-	
12-03-2019	6 PM	-	-	-	-	-	-	-	-	
12-03-2019	7 PM	-	-	-	-	-	-	-	-	
12-03-2019	8 PM	-	-	-	-	-	-	-	-	
12-03-2019	9 PM	-	-	-	-	-	-	-	-	

12-03-2019	10 PM	0	39	441	1	NA	NA	0	0	
12-03-2019	11 PM	0	43	27	0	NA	NA	0	0	
13-03-2019	12 AM	-	-	-	-	-	-	-	-	
13-03-2019	1 AM	-	-	-	-	-	-	-	-	
13-03-2019	2 AM	-	-	-	-	-	-	-	-	
13-03-2019	3 AM	-	-	-	-	-	-	-	-	
13-03-2019	4 AM	-	-	-	-	-	-	-	-	
13-03-2019	5 AM	-	-	-	-	-	-	-	-	
13-03-2019	6 AM	-	-	-	-	-	-	-	-	
13-03-2019	7 AM	-	-	-	-	-	-	-	-	
13-03-2019	8 AM	-	-	-	-	-	-	-	-	
13-03-2019	9 AM	-	-	-	-	-	-	-	-	
13-03-2019	10 AM	-	-	-	-	-	-	-	-	
13-03-2019	11 AM	-	-	-	-	-	-	-	-	
13-03-2019	12 PM	-	-	-	-	-	-	-	-	
13-03-2019	1 PM	-	-	-	-	-	-	-	-	
13-03-2019	2 PM	-	-	-	-	-	-	-	-	
13-03-2019	3 PM	-	-	-	-	-	-	-	-	
13-03-2019	4 PM	2	181	323	15	NA	NA	0	0.5	
13-03-2019	5 PM	2	191	213	15	NA	NA	0	0	
13-03-2019	6 PM	2	195	209	15	NA	NA	0	0	
13-03-2019	7 PM	1	194	204	14	NA	NA	0	0	
13-03-2019	8 PM	1	189	205	15	NA	NA	0	0	
13-03-2019	9 PM	1	186	202	53	NA	NA	0	0	
13-03-2019	10 PM	2	201	203	68	NA	NA	0	0	
13-03-2019	11 PM	1	189	200	27	NA	NA	0	0	
14-03-2019	12 AM	1	181	893	18	NA	NA	0	0.5	
14-03-2019	1 AM	1	184	202	16	NA	NA	0	0	
14-03-2019	2 AM	1	189	206	15	NA	NA	0	0	

14-03-2019	3 AM	1	192	205	15	NA	NA	0	0	
14-03-2019	4 AM	1	189	201	15	NA	NA	0	0	
14-03-2019	5 AM	-	-	-	-	-	-	-	-	
14-03-2019	6 AM	-	-	-	-	-	-	-	-	
14-03-2019	7 AM	-	-	-	-	-	-	-	-	
14-03-2019	8 AM	0	61	201	4	NA	NA	0	0	
14-03-2019	9 AM	-	-	-	-	-	-	-	-	
14-03-2019	10 AM	1	111	56	12	NA	NA	0	0	
14-03-2019	11 AM	2	278	144	21	NA	NA	0	0	
14-03-2019	12 PM	2	266	134	16	NA	NA	0	0	
14-03-2019	1 PM	2	267	136	14	NA	NA	0	0	
14-03-2019	2 PM	2	285	143	15	NA	NA	0	0	
14-03-2019	3 PM	2	297	141	15	NA	NA	0	0	
14-03-2019	4 PM	2	294	138	16	NA	NA	0	0	
14-03-2019	5 PM	2	294	137	16	NA	NA	0	0	
14-03-2019	6 PM	2	291	133	16	NA	NA	0	0	
14-03-2019	7 PM	2	272	123	36	NA	NA	0	0	
14-03-2019	8 PM	2	286	125	111	NA	NA	0	0	
14-03-2019	9 PM	1	76	33	34	NA	NA	0	0	
14-03-2019	10 PM	-	-	-	-	-	-	-	-	
14-03-2019	11 PM	-	-	-	-	-	-	-	-	
15-03-2019	12 AM	-	-	-	-	-	-	-	-	
15-03-2019	1 AM	-	-	-	-	-	-	-	-	
15-03-2019	2 AM	1	109	935	5	NA	NA	0	1	
15-03-2019	3 AM	1	193	120	13	NA	NA	0	0.5	
15-03-2019	4 AM	2	272	121	15	NA	NA	0	0	
15-03-2019	5 AM	2	280	125	15	NA	NA	0	0	
15-03-2019	6 AM	2	266	118	15	NA	NA	0	0	
15-03-2019	7 AM	2	276	123	15	NA	NA	0	0	

15-03-2019	8 AM	2	272	124	15	NA	NA	0	0	
15-03-2019	9 AM	2	226	130	17	NA	NA	0	0.5	
15-03-2019	10 AM	1	191	122	24	NA	NA	0	0	
15-03-2019	11 AM	1	194	124	19	NA	NA	0	0	
15-03-2019	12 PM	1	189	120	15	NA	NA	0	0	
15-03-2019	1 PM	1	189	121	14	NA	NA	0	0	
15-03-2019	2 PM	1	194	126	13	NA	NA	0	0	
15-03-2019	3 PM	1	197	132	14	NA	NA	0	0	
15-03-2019	4 PM	2	198	135	14	NA	NA	0	0	
15-03-2019	5 PM	1	194	135	37	NA	NA	0	0	
15-03-2019	6 PM	2	193	125	83	NA	NA	0	0	
15-03-2019	7 PM	-	-	-	-	-	-	-	-	
15-03-2019	8 PM	-	-	-	-	-	-	-	-	
15-03-2019	9 PM	-	-	-	-	-	-	-	-	
15-03-2019	10 PM	-	-	-	-	-	-	-	-	
15-03-2019	11 PM	-	-	-	-	-	-	-	-	
16-03-2019	12 AM	-	-	-	-	-	-	-	-	
16-03-2019	1 AM	-	-	-	-	-	-	-	-	
16-03-2019	2 AM	-	-	-	-	-	-	-	-	
16-03-2019	3 AM	-	-	-	-	-	-	-	-	
16-03-2019	4 AM	-	-	-	-	-	-	-	-	
16-03-2019	5 AM	-	-	-	-	-	-	-	-	
16-03-2019	6 AM	-	-	-	-	-	-	-	-	
16-03-2019	7 AM	-	-	-	-	-	-	-	-	
16-03-2019	8 AM	-	-	-	-	-	-	-	-	
16-03-2019	9 AM	-	-	-	-	-	-	-	-	
16-03-2019	10 AM	-	-	-	-	-	-	-	-	
16-03-2019	11 AM	-	-	-	-	-	-	-	-	
16-03-2019	12 PM	-	-	-	-	-	-	-	-	

16-03-2019	1 PM	-	-	-	-	-	-	-	-	
16-03-2019	2 PM	-	-	-	-	-	-	-	-	
16-03-2019	3 PM	-	-	-	-	-	-	-	-	
16-03-2019	4 PM	1	71	230	16	NA	NA	0	0	
16-03-2019	5 PM	-	-	-	-	-	-	-	-	
16-03-2019	6 PM	-	-	-	-	-	-	-	-	
16-03-2019	7 PM	-	-	-	-	-	-	-	-	
16-03-2019	8 PM	-	-	-	-	-	-	-	-	
16-03-2019	9 PM	-	-	-	-	-	-	-	-	
16-03-2019	10 PM	-	-	-	-	-	-	-	-	
16-03-2019	11 PM	-	-	-	-	-	-	-	-	
17-03-2019	12 AM	-	-	-	-	-	-	-	-	
17-03-2019	1 AM	-	-	-	-	-	-	-	-	
17-03-2019	2 AM	-	-	-	-	-	-	-	-	
17-03-2019	3 AM	-	-	-	-	-	-	-	-	
17-03-2019	4 AM	-	-	-	-	-	-	-	-	
17-03-2019	5 AM	-	-	-	-	-	-	-	-	
17-03-2019	6 AM	-	-	-	-	-	-	-	-	
17-03-2019	7 AM	-	-	-	-	-	-	-	-	
17-03-2019	8 AM	-	-	-	-	-	-	-	-	
17-03-2019	9 AM	-	-	-	-	-	-	-	-	
17-03-2019	10 AM	-	-	-	-	-	-	-	-	
17-03-2019	11 AM	0	34	200	0	NA	NA	0	0	
17-03-2019	12 PM	-	-	-	-	-	-	-	-	
17-03-2019	1 PM	0	67	242	15	NA	NA	0	0	
17-03-2019	2 PM	0	68	51	3	NA	NA	0	0	
17-03-2019	3 PM	0	54	46	0	NA	NA	0	0	
17-03-2019	4 PM	0	55	45	0	NA	NA	0	0	
17-03-2019	5 PM	0	65	60	0	NA	NA	0	0	

17-03-2019	6 PM	0	52	46	0	NA	NA	0	0	
17-03-2019	7 PM	0	54	45	0	NA	NA	0	0	
17-03-2019	8 PM	0	64	58	0	NA	NA	0	0	
17-03-2019	9 PM	0	51	43	0	NA	NA	0	0	
17-03-2019	10 PM	0	25	19	0	NA	NA	0	0	
17-03-2019	11 PM	0	25	86	16	NA	NA	0	0	
18-03-2019	12 AM	-	-	-	-	-	-	-	-	
18-03-2019	1 AM	-	-	-	-	-	-	-	-	
18-03-2019	2 AM	0	34	86	1	NA	NA	0	0	
18-03-2019	3 AM	1	70	67	6	NA	NA	0	0	
18-03-2019	4 AM	-	-	-	-	-	-	-	-	
18-03-2019	5 AM	-	-	-	-	-	-	-	-	
18-03-2019	6 AM	-	-	-	-	-	-	-	-	
18-03-2019	7 AM	-	-	-	-	-	-	-	-	
18-03-2019	8 AM	0	74	128	5	NA	NA	0	0	
18-03-2019	9 AM	-	-	-	-	-	-	-	-	
18-03-2019	10 AM	0	75	226	3	NA	NA	0	0	
18-03-2019	11 AM	-	-	-	-	-	-	-	-	
18-03-2019	12 PM	-	-	-	-	-	-	-	-	
18-03-2019	1 PM	-	-	-	-	-	-	-	-	
18-03-2019	2 PM	0	33	444	10	NA	NA	0	0	
18-03-2019	3 PM	0	26	16	4	NA	NA	0	0	
18-03-2019	4 PM	0	0	0	0	NA	NA	0	0	
18-03-2019	5 PM	0	34	91	0	NA	NA	0	0	
18-03-2019	6 PM	-	-	-	-	-	-	-	-	
18-03-2019	7 PM	-	-	-	-	-	-	-	-	
18-03-2019	8 PM	-	-	-	-	-	-	-	-	
18-03-2019	9 PM	-	-	-	-	-	-	-	-	
18-03-2019	10 PM	0	29	142	1	NA	NA	0	0	

18-03-2019	11 PM	-	-	-	-	-	-	-	-	
19-03-2019	12 AM	-	-	-	-	-	-	-	-	
19-03-2019	1 AM	-	-	-	-	-	-	-	-	
19-03-2019	2 AM	-	-	-	-	-	-	-	-	
19-03-2019	3 AM	-	-	-	-	-	-	-	-	
19-03-2019	4 AM	-	-	-	-	-	-	-	-	
19-03-2019	5 AM	-	-	-	-	-	-	-	-	
19-03-2019	6 AM	-	-	-	-	-	-	-	-	
19-03-2019	7 AM	-	-	-	-	-	-	-	-	
19-03-2019	8 AM	-	-	-	-	-	-	-	-	
19-03-2019	9 AM	-	-	-	-	-	-	-	-	
19-03-2019	10 AM	-	-	-	-	-	-	-	-	
19-03-2019	11 AM	-	-	-	-	-	-	-	-	
19-03-2019	12 PM	-	-	-	-	-	-	-	-	
19-03-2019	1 PM	-	-	-	-	-	-	-	-	
19-03-2019	2 PM	-	-	-	-	-	-	-	-	
19-03-2019	3 PM	-	-	-	-	-	-	-	-	
19-03-2019	4 PM	-	-	-	-	-	-	-	-	
19-03-2019	5 PM	-	-	-	-	-	-	-	-	
19-03-2019	6 PM	-	-	-	-	-	-	-	-	
19-03-2019	7 PM	-	-	-	-	-	-	-	-	
19-03-2019	8 PM	-	-	-	-	-	-	-	-	
19-03-2019	9 PM	-	-	-	-	-	-	-	-	
19-03-2019	10 PM	-	-	-	-	-	-	-	-	
19-03-2019	11 PM	-	-	-	-	-	-	-	-	
20-03-2019	12 AM	-	-	-	-	-	-	-	-	
20-03-2019	1 AM	-	-	-	-	-	-	-	-	
20-03-2019	2 AM	-	-	-	-	-	-	-	-	
20-03-2019	3 AM	-	-	-	-	-	-	-	-	

20-03-2019	4 AM	-	-	-	-	-	-	-	-	
20-03-2019	5 AM	-	-	-	-	-	-	-	-	
20-03-2019	6 AM	-	-	-	-	-	-	-	-	
20-03-2019	7 AM	-	-	-	-	-	-	-	-	
20-03-2019	8 AM	-	-	-	-	-	-	-	-	
20-03-2019	9 AM	-	-	-	-	-	-	-	-	
20-03-2019	10 AM	1	233	495	89	NA	NA	0	1	
20-03-2019	11 AM	1	171	235	33	NA	NA	0	0	
20-03-2019	12 PM	-	-	-	-	-	-	-	-	
20-03-2019	1 PM	-	-	-	-	-	-	-	-	
20-03-2019	2 PM	-	-	-	-	-	-	-	-	
20-03-2019	3 PM	-	-	-	-	-	-	-	-	
20-03-2019	4 PM	-	-	-	-	-	-	-	-	
20-03-2019	5 PM	-	-	-	-	-	-	-	-	
20-03-2019	6 PM	-	-	-	-	-	-	-	-	
20-03-2019	7 PM	-	-	-	-	-	-	-	-	
20-03-2019	8 PM	-	-	-	-	-	-	-	-	
20-03-2019	9 PM	-	-	-	-	-	-	-	-	
20-03-2019	10 PM	-	-	-	-	-	-	-	-	
20-03-2019	11 PM	-	-	-	-	-	-	-	-	
21-03-2019	12 AM	-	-	-	-	-	-	-	-	
21-03-2019	1 AM	-	-	-	-	-	-	-	-	
21-03-2019	2 AM	-	-	-	-	-	-	-	-	
21-03-2019	3 AM	-	-	-	-	-	-	-	-	
21-03-2019	4 AM	-	-	-	-	-	-	-	-	
21-03-2019	5 AM	-	-	-	-	-	-	-	-	
21-03-2019	6 AM	-	-	-	-	-	-	-	-	
21-03-2019	7 AM	-	-	-	-	-	-	-	-	
21-03-2019	8 AM	-	-	-	-	-	-	-	-	

21-03-2019	9 AM	-	-	-	-	-	-	-	-	
21-03-2019	10 AM	-	-	-	-	-	-	-	-	
21-03-2019	11 AM	-	-	-	-	-	-	-	-	
21-03-2019	12 PM	-	-	-	-	-	-	-	-	
21-03-2019	1 PM	-	-	-	-	-	-	-	-	
21-03-2019	2 PM	-	-	-	-	-	-	-	-	
21-03-2019	3 PM	-	-	-	-	-	-	-	-	
21-03-2019	4 PM	-	-	-	-	-	-	-	-	
21-03-2019	5 PM	-	-	-	-	-	-	-	-	
21-03-2019	6 PM	-	-	-	-	-	-	-	-	
21-03-2019	7 PM	-	-	-	-	-	-	-	-	
21-03-2019	8 PM	-	-	-	-	-	-	-	-	
21-03-2019	9 PM	-	-	-	-	-	-	-	-	
21-03-2019	10 PM	-	-	-	-	-	-	-	-	
21-03-2019	11 PM	-	-	-	-	-	-	-	-	
22-03-2019	12 AM	-	-	-	-	-	-	-	-	
22-03-2019	1 AM	-	-	-	-	-	-	-	-	
22-03-2019	2 AM	-	-	-	-	-	-	-	-	
22-03-2019	3 AM	-	-	-	-	-	-	-	-	
22-03-2019	4 AM	-	-	-	-	-	-	-	-	
22-03-2019	5 AM	-	-	-	-	-	-	-	-	
22-03-2019	6 AM	-	-	-	-	-	-	-	-	
22-03-2019	7 AM	-	-	-	-	-	-	-	-	
22-03-2019	8 AM	-	-	-	-	-	-	-	-	
22-03-2019	9 AM	-	-	-	-	-	-	-	-	
22-03-2019	10 AM	-	-	-	-	-	-	-	-	
22-03-2019	11 AM	-	-	-	-	-	-	-	-	
22-03-2019	12 PM	-	-	-	-	-	-	-	-	
22-03-2019	1 PM	-	-	-	-	-	-	-	-	

22-03-2019	2 PM	-	-	-	-	-	-	-	-	
22-03-2019	3 PM	0	0	0	0	NA	NA	0	0	
22-03-2019	4 PM	-	-	-	-	-	-	-	-	
22-03-2019	5 PM	-	-	-	-	-	-	-	-	
22-03-2019	6 PM	-	-	-	-	-	-	-	-	
22-03-2019	7 PM	1	82	535	36	NA	NA	0	1	
22-03-2019	8 PM	1	72	70	25	NA	NA	0	0.5	
22-03-2019	9 PM	-	-	-	-	-	-	-	-	
22-03-2019	10 PM	-	-	-	-	-	-	-	-	
22-03-2019	11 PM	-	-	-	-	-	-	-	-	
23-03-2019	12 AM	-	-	-	-	-	-	-	-	
23-03-2019	1 AM	-	-	-	-	-	-	-	-	
23-03-2019	2 AM	-	-	-	-	-	-	-	-	
23-03-2019	3 AM	-	-	-	-	-	-	-	-	
23-03-2019	4 AM	-	-	-	-	-	-	-	-	
23-03-2019	5 AM	-	-	-	-	-	-	-	-	
23-03-2019	6 AM	-	-	-	-	-	-	-	-	
23-03-2019	7 AM	-	-	-	-	-	-	-	-	
23-03-2019	8 AM	-	-	-	-	-	-	-	-	
23-03-2019	9 AM	-	-	-	-	-	-	-	-	
23-03-2019	10 AM	-	-	-	-	-	-	-	-	
23-03-2019	11 AM	-	-	-	-	-	-	-	-	
23-03-2019	12 PM	-	-	-	-	-	-	-	-	
23-03-2019	1 PM	-	-	-	-	-	-	-	-	
23-03-2019	2 PM	-	-	-	-	-	-	-	-	
23-03-2019	3 PM	-	-	-	-	-	-	-	-	
23-03-2019	4 PM	-	-	-	-	-	-	-	-	
23-03-2019	5 PM	-	-	-	-	-	-	-	-	
23-03-2019	6 PM	-	-	-	-	-	-	-	-	

23-03-2019	7 PM	-	-	-	-	-	-	-	-	
23-03-2019	8 PM	-	-	-	-	-	-	-	-	
23-03-2019	9 PM	-	-	-	-	-	-	-	-	
23-03-2019	10 PM	-	-	-	-	-	-	-	-	
23-03-2019	11 PM	-	-	-	-	-	-	-	-	
24-03-2019	12 AM	-	-	-	-	-	-	-	-	
24-03-2019	1 AM	-	-	-	-	-	-	-	-	
24-03-2019	2 AM	-	-	-	-	-	-	-	-	
24-03-2019	3 AM	-	-	-	-	-	-	-	-	
24-03-2019	4 AM	-	-	-	-	-	-	-	-	
24-03-2019	5 AM	-	-	-	-	-	-	-	-	
24-03-2019	6 AM	-	-	-	-	-	-	-	-	
24-03-2019	7 AM	-	-	-	-	-	-	-	-	
24-03-2019	8 AM	-	-	-	-	-	-	-	-	
24-03-2019	9 AM	-	-	-	-	-	-	-	-	
24-03-2019	10 AM	-	-	-	-	-	-	-	-	
24-03-2019	11 AM	-	-	-	-	-	-	-	-	
24-03-2019	12 PM	-	-	-	-	-	-	-	-	
24-03-2019	1 PM	-	-	-	-	-	-	-	-	
24-03-2019	2 PM	-	-	-	-	-	-	-	-	
24-03-2019	3 PM	-	-	-	-	-	-	-	-	
24-03-2019	4 PM	-	-	-	-	-	-	-	-	
24-03-2019	5 PM	-	-	-	-	-	-	-	-	
24-03-2019	6 PM	-	-	-	-	-	-	-	-	
24-03-2019	7 PM	-	-	-	-	-	-	-	-	
24-03-2019	8 PM	-	-	-	-	-	-	-	-	
24-03-2019	9 PM	-	-	-	-	-	-	-	-	
24-03-2019	10 PM	-	-	-	-	-	-	-	-	
24-03-2019	11 PM	-	-	-	-	-	-	-	-	

25-03-2019	12 AM	-	-	-	-	-	-	-	-	
25-03-2019	1 AM	-	-	-	-	-	-	-	-	
25-03-2019	2 AM	-	-	-	-	-	-	-	-	
25-03-2019	3 AM	-	-	-	-	-	-	-	-	
25-03-2019	4 AM	-	-	-	-	-	-	-	-	
25-03-2019	5 AM	-	-	-	-	-	-	-	-	
25-03-2019	6 AM	-	-	-	-	-	-	-	-	
25-03-2019	7 AM	-	-	-	-	-	-	-	-	
25-03-2019	8 AM	-	-	-	-	-	-	-	-	
25-03-2019	9 AM	-	-	-	-	-	-	-	-	
25-03-2019	10 AM	-	-	-	-	-	-	-	-	
25-03-2019	11 AM	-	-	-	-	-	-	-	-	
25-03-2019	12 PM	-	-	-	-	-	-	-	-	
25-03-2019	1 PM	-	-	-	-	-	-	-	-	
25-03-2019	2 PM	-	-	-	-	-	-	-	-	
25-03-2019	3 PM	-	-	-	-	-	-	-	-	
25-03-2019	4 PM	-	-	-	-	-	-	-	-	
25-03-2019	5 PM	-	-	-	-	-	-	-	-	
25-03-2019	6 PM	-	-	-	-	-	-	-	-	
25-03-2019	7 PM	-	-	-	-	-	-	-	-	
25-03-2019	8 PM	-	-	-	-	-	-	-	-	
25-03-2019	9 PM	-	-	-	-	-	-	-	-	
25-03-2019	10 PM	-	-	-	-	-	-	-	-	
25-03-2019	11 PM	-	-	-	-	-	-	-	-	
26-03-2019	12 AM	-	-	-	-	-	-	-	-	
26-03-2019	1 AM	-	-	-	-	-	-	-	-	
26-03-2019	2 AM	-	-	-	-	-	-	-	-	
26-03-2019	3 AM	-	-	-	-	-	-	-	-	
26-03-2019	4 AM	-	-	-	-	-	-	-	-	

26-03-2019	5 AM	-	-	-	-	-	-	-	-	
26-03-2019	6 AM	-	-	-	-	-	-	-	-	
26-03-2019	7 AM	-	-	-	-	-	-	-	-	
26-03-2019	8 AM	-	-	-	-	-	-	-	-	
26-03-2019	9 AM	-	-	-	-	-	-	-	-	
26-03-2019	10 AM	-	-	-	-	-	-	-	-	
26-03-2019	11 AM	-	-	-	-	-	-	-	-	
26-03-2019	12 PM	-	-	-	-	-	-	-	-	
26-03-2019	1 PM	-	-	-	-	-	-	-	-	
26-03-2019	2 PM	-	-	-	-	-	-	-	-	
26-03-2019	3 PM	-	-	-	-	-	-	-	-	
26-03-2019	4 PM	-	-	-	-	-	-	-	-	
26-03-2019	5 PM	-	-	-	-	-	-	-	-	
26-03-2019	6 PM	-	-	-	-	-	-	-	-	
26-03-2019	7 PM	-	-	-	-	-	-	-	-	
26-03-2019	8 PM	-	-	-	-	-	-	-	-	
26-03-2019	9 PM	-	-	-	-	-	-	-	-	
26-03-2019	10 PM	-	-	-	-	-	-	-	-	
26-03-2019	11 PM	-	-	-	-	-	-	-	-	
27-03-2019	12 AM	1	151	229	20	NA	NA	0	0.5	
27-03-2019	1 AM	2	165	196	45	NA	NA	0	0.5	
27-03-2019	2 AM	2	154	203	28	NA	NA	0	0	
27-03-2019	3 AM	2	211	243	28	NA	NA	0	0	
27-03-2019	4 AM	1	161	228	28	NA	NA	0	0	
27-03-2019	5 AM	1	152	224	25	NA	NA	0	0	
27-03-2019	6 AM	1	151	227	23	NA	NA	0	0	
27-03-2019	7 AM	1	146	225	23	NA	NA	0	0	
27-03-2019	8 AM	1	150	229	23	NA	NA	0	0	
27-03-2019	9 AM	1	152	230	22	NA	NA	0	0	

27-03-2019	10 AM	1	158	233	24	NA	NA	0	0	
27-03-2019	11 AM	1	162	228	25	NA	NA	0	0	
27-03-2019	12 PM	1	168	229	28	NA	NA	0	0	
27-03-2019	1 PM	1	167	222	28	NA	NA	0	0	
27-03-2019	2 PM	1	181	223	61	NA	NA	0	0	
27-03-2019	3 PM	1	187	221	51	NA	NA	0	0	
27-03-2019	4 PM	1	169	206	34	NA	NA	0	0	
27-03-2019	5 PM	1	165	194	32	NA	NA	0	0	
27-03-2019	6 PM	2	201	210	33	NA	NA	0	0	
27-03-2019	7 PM	2	210	220	33	NA	NA	0	0	
27-03-2019	8 PM	2	215	231	29	NA	NA	0	0	
27-03-2019	9 PM	2	229	241	30	NA	NA	0	0	
27-03-2019	10 PM	1	160	221	28	NA	NA	0	0	
27-03-2019	11 PM	1	144	208	28	NA	NA	0	0	
28-03-2019	12 AM	-	-	-	-	-	-	-	-	
28-03-2019	1 AM	-	-	-	-	-	-	-	-	
28-03-2019	2 AM	-	-	-	-	-	-	-	-	
28-03-2019	3 AM	-	-	-	-	-	-	-	-	
28-03-2019	4 AM	-	-	-	-	-	-	-	-	
28-03-2019	5 AM	-	-	-	-	-	-	-	-	
28-03-2019	6 AM	-	-	-	-	-	-	-	-	
28-03-2019	7 AM	-	-	-	-	-	-	-	-	
28-03-2019	8 AM	-	-	-	-	-	-	-	-	
28-03-2019	9 AM	-	-	-	-	-	-	-	-	
28-03-2019	10 AM	-	-	-	-	-	-	-	-	
28-03-2019	11 AM	-	-	-	-	-	-	-	-	
28-03-2019	12 PM	1	143	292	28	NA	NA	0	0.5	
28-03-2019	1 PM	1	151	188	26	NA	NA	0	0	
28-03-2019	2 PM	-	-	-	-	-	-	-	-	

28-03-2019	3 PM	-	-	-	-	-	-	-	-	
28-03-2019	4 PM	-	-	-	-	-	-	-	-	
28-03-2019	5 PM	-	-	-	-	-	-	-	-	
28-03-2019	6 PM	-	-	-	-	-	-	-	-	
28-03-2019	7 PM	-	-	-	-	-	-	-	-	
28-03-2019	8 PM	-	-	-	-	-	-	-	-	
28-03-2019	9 PM	-	-	-	-	-	-	-	-	
28-03-2019	10 PM	-	-	-	-	-	-	-	-	
28-03-2019	11 PM	-	-	-	-	-	-	-	-	
29-03-2019	12 AM	-	-	-	-	-	-	-	-	
29-03-2019	1 AM	-	-	-	-	-	-	-	-	
29-03-2019	2 AM	-	-	-	-	-	-	-	-	
29-03-2019	3 AM	-	-	-	-	-	-	-	-	
29-03-2019	4 AM	-	-	-	-	-	-	-	-	
29-03-2019	5 AM	-	-	-	-	-	-	-	-	
29-03-2019	6 AM	-	-	-	-	-	-	-	-	
29-03-2019	7 AM	-	-	-	-	-	-	-	-	
29-03-2019	8 AM	-	-	-	-	-	-	-	-	
29-03-2019	9 AM	-	-	-	-	-	-	-	-	
29-03-2019	10 AM	2	271	324	79	NA	NA	0	0.5	
29-03-2019	11 AM	2	258	251	62	NA	NA	0	0	
29-03-2019	12 PM	2	308	272	39	NA	NA	0	0	
29-03-2019	1 PM	2	255	252	30	NA	NA	0	0	
29-03-2019	2 PM	2	321	276	30	NA	NA	0	0	
29-03-2019	3 PM	2	346	280	30	NA	NA	0	0	
29-03-2019	4 PM	2	350	280	29	NA	NA	0	0	
29-03-2019	5 PM	2	351	281	28	NA	NA	0	0	
29-03-2019	6 PM	2	388	440	43	NA	NA	0	0	
29-03-2019	7 PM	2	257	253	107	NA	NA	0	0.5	

29-03-2019	8 PM	3	304	266	129	NA	NA	0	0	
29-03-2019	9 PM	2	192	224	97	NA	NA	0	0	
29-03-2019	10 PM	1	180	227	50	NA	NA	0	0	
29-03-2019	11 PM	1	156	218	34	NA	NA	0	0	
30-03-2019	12 AM	1	150	217	30	NA	NA	0	0	
30-03-2019	1 AM	1	149	215	30	NA	NA	0	0	
30-03-2019	2 AM	1	144	217	29	NA	NA	0	0	
30-03-2019	3 AM	1	141	219	28	NA	NA	0	0	
30-03-2019	4 AM	1	138	219	28	NA	NA	0	0	
30-03-2019	5 AM	1	139	226	28	NA	NA	0	0	
30-03-2019	6 AM	1	145	234	28	NA	NA	0	0	
30-03-2019	7 AM	1	145	231	34	NA	NA	0	0	
30-03-2019	8 AM	2	177	259	32	NA	NA	0	0	
30-03-2019	9 AM	1	168	258	29	NA	NA	0	0	
30-03-2019	10 AM	2	177	261	27	NA	NA	0	0	
30-03-2019	11 AM	2	186	261	27	NA	NA	0	0	
30-03-2019	12 PM	2	183	260	28	NA	NA	0	0	
30-03-2019	1 PM	2	202	262	26	NA	NA	0	0	
30-03-2019	2 PM	2	200	262	26	NA	NA	0	0	
30-03-2019	3 PM	2	212	264	26	NA	NA	0	0	
30-03-2019	4 PM	2	218	265	31	NA	NA	0	0	
30-03-2019	5 PM	2	281	276	83	NA	NA	0	0	
30-03-2019	6 PM	2	279	277	49	NA	NA	0	0	
30-03-2019	7 PM	2	258	277	32	NA	NA	0	0	
30-03-2019	8 PM	2	281	286	28	NA	NA	0	0	
30-03-2019	9 PM	2	288	284	29	NA	NA	0	0	
30-03-2019	10 PM	0	62	75	3	NA	NA	0	0	
30-03-2019	11 PM	0	28	36	1	NA	NA	0	0	
31-03-2019	12 AM	-	-	-	-	-	-	-	-	

31-03-2019	1 AM	-	-	-	-	-	-	-	-	
31-03-2019	2 AM	-	-	-	-	-	-	-	-	
31-03-2019	3 AM	-	-	-	-	-	-	-	-	
31-03-2019	4 AM	-	-	-	-	-	-	-	-	
31-03-2019	5 AM	-	-	-	-	-	-	-	-	
31-03-2019	6 AM	-	-	-	-	-	-	-	-	
31-03-2019	7 AM	-	-	-	-	-	-	-	-	
31-03-2019	8 AM	-	-	-	-	-	-	-	-	
31-03-2019	9 AM	-	-	-	-	-	-	-	-	
31-03-2019	10 AM	-	-	-	-	-	-	-	-	
31-03-2019	11 AM	-	-	-	-	-	-	-	-	
31-03-2019	12 PM	-	-	-	-	-	-	-	-	
31-03-2019	1 PM	-	-	-	-	-	-	-	-	
31-03-2019	2 PM	-	-	-	-	-	-	-	-	
31-03-2019	3 PM	-	-	-	-	-	-	-	-	
31-03-2019	4 PM	-	-	-	-	-	-	-	-	
31-03-2019	5 PM	-	-	-	-	-	-	-	-	
31-03-2019	6 PM	-	-	-	-	-	-	-	-	
31-03-2019	7 PM	-	-	-	-	-	-	-	-	
31-03-2019	8 PM	-	-	-	-	-	-	-	-	
31-03-2019	9 PM	-	-	-	-	-	-	-	-	
31-03-2019	10 PM	-	-	-	-	-	-	-	-	
31-03-2019	11 PM	-	-	-	-	-	-	-	-	

Annex G5

Hourly Average of Parameters Measured in ASP

Date	Hour	ASP Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO_2	VOCs (including methane)	NH_3	HCL	HF	
01-03-2019	12 AM	-	-	-	-	-	-	-	-	
01-03-2019	1 AM	-	-	-	-	-	-	-	-	
01-03-2019	2 AM	-	-	-	-	-	-	-	-	
01-03-2019	3 AM	-	-	-	-	-	-	-	-	
01-03-2019	4 AM	-	-	-	-	-	-	-	-	
01-03-2019	5 AM	-	-	-	-	-	-	-	-	
01-03-2019	6 AM	-	-	-	-	-	-	-	-	
01-03-2019	7 AM	-	-	-	-	-	-	-	-	
01-03-2019	8 AM	-	-	-	-	-	-	-	-	
01-03-2019	9 AM	-	-	-	-	-	-	-	-	
01-03-2019	10 AM	-	-	-	-	-	-	-	-	
01-03-2019	11 AM	-	-	-	-	-	-	-	-	
01-03-2019	12 PM	-	-	-	-	-	-	-	-	
01-03-2019	1 PM	-	-	-	-	-	-	-	-	
01-03-2019	2 PM	-	-	-	-	-	-	-	-	
01-03-2019	3 PM	-	-	-	-	-	-	-	-	
01-03-2019	4 PM	-	-	-	-	-	-	-	-	
01-03-2019	5 PM	-	-	-	-	-	-	-	-	
01-03-2019	6 PM	-	-	-	-	-	-	-	-	
01-03-2019	7 PM	-	-	-	-	-	-	-	-	
01-03-2019	8 PM	-	-	-	-	-	-	-	-	
01-03-2019	9 PM	-	-	-	-	-	-	-	-	
01-03-2019	10 PM	-	-	-	-	-	-	-	-	
01-03-2019	11 PM	-	-	-	-	-	-	-	-	
02-03-2019	12 AM	-	-	-	-	-	-	-	-	

02-03-2019	1 AM	-	-	-	-	-	-	-	-	
02-03-2019	2 AM	-	-	-	-	-	-	-	-	
02-03-2019	3 AM	-	-	-	-	-	-	-	-	
02-03-2019	4 AM	-	-	-	-	-	-	-	-	
02-03-2019	5 AM	-	-	-	-	-	-	-	-	
02-03-2019	6 AM	-	-	-	-	-	-	-	-	
02-03-2019	7 AM	-	-	-	-	-	-	-	-	
02-03-2019	8 AM	-	-	-	-	-	-	-	-	
02-03-2019	9 AM	-	-	-	-	-	-	-	-	
02-03-2019	10 AM	-	-	-	-	-	-	-	-	
02-03-2019	11 AM	-	-	-	-	-	-	-	-	
02-03-2019	12 PM	-	-	-	-	-	-	-	-	
02-03-2019	1 PM	-	-	-	-	-	-	-	-	
02-03-2019	2 PM	-	-	-	-	-	-	-	-	
02-03-2019	3 PM	-	-	-	-	-	-	-	-	
02-03-2019	4 PM	-	-	-	-	-	-	-	-	
02-03-2019	5 PM	-	-	-	-	-	-	-	-	
02-03-2019	6 PM	-	-	-	-	-	-	-	-	
02-03-2019	7 PM	-	-	-	-	-	-	-	-	
02-03-2019	8 PM	-	-	-	-	-	-	-	-	
02-03-2019	9 PM	-	-	-	-	-	-	-	-	
02-03-2019	10 PM	-	-	-	-	-	-	-	-	
02-03-2019	11 PM	-	-	-	-	-	-	-	-	
03-03-2019	12 AM	-	-	-	-	-	-	-	-	
03-03-2019	1 AM	-	-	-	-	-	-	-	-	
03-03-2019	2 AM	-	-	-	-	-	-	-	-	
03-03-2019	3 AM	-	-	-	-	-	-	-	-	
03-03-2019	4 AM	-	-	-	-	-	-	-	-	
03-03-2019	5 AM	-	-	-	-	-	-	-	-	

03-03-2019	6 AM	-	-	-	-	-	-	-	-	
03-03-2019	7 AM	-	-	-	-	-	-	-	-	
03-03-2019	8 AM	-	-	-	-	-	-	-	-	
03-03-2019	9 AM	-	-	-	-	-	-	-	-	
03-03-2019	10 AM	-	-	-	-	-	-	-	-	
03-03-2019	11 AM	-	-	-	-	-	-	-	-	
03-03-2019	12 PM	-	-	-	-	-	-	-	-	
03-03-2019	1 PM	-	-	-	-	-	-	-	-	
03-03-2019	2 PM	-	-	-	-	-	-	-	-	
03-03-2019	3 PM	-	-	-	-	-	-	-	-	
03-03-2019	4 PM	-	-	-	-	-	-	-	-	
03-03-2019	5 PM	-	-	-	-	-	-	-	-	
03-03-2019	6 PM	-	-	-	-	-	-	-	-	
03-03-2019	7 PM	-	-	-	-	-	-	-	-	
03-03-2019	8 PM	-	-	-	-	-	-	-	-	
03-03-2019	9 PM	-	-	-	-	-	-	-	-	
03-03-2019	10 PM	-	-	-	-	-	-	-	-	
03-03-2019	11 PM	-	-	-	-	-	-	-	-	
04-03-2019	12 AM	-	-	-	-	-	-	-	-	
04-03-2019	1 AM	-	-	-	-	-	-	-	-	
04-03-2019	2 AM	-	-	-	-	-	-	-	-	
04-03-2019	3 AM	-	-	-	-	-	-	-	-	
04-03-2019	4 AM	-	-	-	-	-	-	-	-	
04-03-2019	5 AM	-	-	-	-	-	-	-	-	
04-03-2019	6 AM	-	-	-	-	-	-	-	-	
04-03-2019	7 AM	-	-	-	-	-	-	-	-	
04-03-2019	8 AM	-	-	-	-	-	-	-	-	
04-03-2019	9 AM	-	-	-	-	-	-	-	-	
04-03-2019	10 AM	-	-	-	-	-	-	-	-	

04-03-2019	11 AM	-	-	-	-	-	-	-	-	
04-03-2019	12 PM	-	-	-	-	-	-	-	-	
04-03-2019	1 PM	-	-	-	-	-	-	-	-	
04-03-2019	2 PM	-	-	-	-	-	-	-	-	
04-03-2019	3 PM	-	-	-	-	-	-	-	-	
04-03-2019	4 PM	-	-	-	-	-	-	-	-	
04-03-2019	5 PM	-	-	-	-	-	-	-	-	
04-03-2019	6 PM	-	-	-	-	-	-	-	-	
04-03-2019	7 PM	-	-	-	-	-	-	-	-	
04-03-2019	8 PM	-	-	-	-	-	-	-	-	
04-03-2019	9 PM	-	-	-	-	-	-	-	-	
04-03-2019	10 PM	-	-	-	-	-	-	-	-	
04-03-2019	11 PM	-	-	-	-	-	-	-	-	
05-03-2019	12 AM	-	-	-	-	-	-	-	-	
05-03-2019	1 AM	-	-	-	-	-	-	-	-	
05-03-2019	2 AM	-	-	-	-	-	-	-	-	
05-03-2019	3 AM	-	-	-	-	-	-	-	-	
05-03-2019	4 AM	-	-	-	-	-	-	-	-	
05-03-2019	5 AM	-	-	-	-	-	-	-	-	
05-03-2019	6 AM	-	-	-	-	-	-	-	-	
05-03-2019	7 AM	-	-	-	-	-	-	-	-	
05-03-2019	8 AM	-	-	-	-	-	-	-	-	
05-03-2019	9 AM	-	-	-	-	-	-	-	-	
05-03-2019	10 AM	-	-	-	-	-	-	-	-	
05-03-2019	11 AM	1.5	0	108	0	0	8	0	1.5	Start up / Exceedance in HF is resulted by the interference of sensor by other gases.

05-03-2019	12 PM	3	0	157	1	0	8	0	0.5	Start up
05-03-2019	1 PM	3	0	162	0	0	6	0	0	Start up
05-03-2019	2 PM	1.5	33	193	2	134	93	0	0	Start up
05-03-2019	3 PM	2.5	190	325	1	10	227	0	0	Running with high flowrate 24m3/h Optimising
05-03-2019	4 PM	2	94	253	3	4	458	0	0	Running with high flowrate 24m3/h Optimising
05-03-2019	5 PM	2.5	255	180	11	10	2098	0	1	Running with high flowrate 24m3/h Optimising
05-03-2019	6 PM	1.5	348	171	27	23	1399	0	1	Running with high flowrate 24m3/h Optimising
05-03-2019	7 PM	-	-	-	-	-	-	-	-	
05-03-2019	8 PM	-	-	-	-	-	-	-	-	
05-03-2019	9 PM	0	23	28	4	1	919	0	1	Start up / tripping
05-03-2019	10 PM	3	502	429	36	1535	1069	0	1.5	Start up / tripping / Exceedance in HF is resulted by the interference of sensor by other gases.
05-03-2019	11 PM	1	22	275	1	63	68	0	0	Start up / tripping
06-03-2019	12 AM	1	4	168	0	1	42	0	1.5	Unstable running / always tripping / Exceedance in HF is resulted by the interference of sensor by other gases.

06-03-2019	1 AM	1	195	198	38	1348	762	0.5	1	unstable running / always tripping
06-03-2019	2 AM	1	142	156	10	6	183	0	0	unstable running / always tripping
06-03-2019	3 AM	2.5	108	160	5	5	408	0	0.5	unstable running / always tripping
06-03-2019	4 AM	3	62	55	10	7	1298	0	0	unstable running / always tripping
06-03-2019	5 AM	3	72	90	10	7	875	0	0	unstable running / always tripping
06-03-2019	6 AM	3	3	88	43	3	94	0	0	unstable running / always tripping
06-03-2019	7 AM	3	40	174	38	5	47	0	0	unstable running / always tripping
06-03-2019	8 AM	2	223	190	13	121	392	0	0	unstable running / always tripping
06-03-2019	9 AM	-	-	-	-	-	-	-	-	
06-03-2019	10 AM	-	-	-	-	-	-	-	-	
06-03-2019	11 AM	-	-	-	-	-	-	-	-	
06-03-2019	12 PM	-	-	-	-	-	-	-	-	
06-03-2019	1 PM	-	-	-	-	-	-	-	-	
06-03-2019	2 PM	-	-	-	-	-	-	-	-	
06-03-2019	3 PM	-	-	-	-	-	-	-	-	
06-03-2019	4 PM	-	-	-	-	-	-	-	-	
06-03-2019	5 PM	-	-	-	-	-	-	-	-	
06-03-2019	6 PM	-	-	-	-	-	-	-	-	
06-03-2019	7 PM	-	-	-	-	-	-	-	-	
06-03-2019	8 PM	-	-	-	-	-	-	-	-	
06-03-2019	9 PM	-	-	-	-	-	-	-	-	
06-03-2019	10 PM	-	-	-	-	-	-	-	-	
06-03-2019	11 PM	-	-	-	-	-	-	-	-	

07-03-2019	12 AM	-	-	-	-	-	-	-	-	
07-03-2019	1 AM	-	-	-	-	-	-	-	-	
07-03-2019	2 AM	-	-	-	-	-	-	-	-	
07-03-2019	3 AM	-	-	-	-	-	-	-	-	
07-03-2019	4 AM	-	-	-	-	-	-	-	-	
07-03-2019	5 AM	-	-	-	-	-	-	-	-	
07-03-2019	6 AM	-	-	-	-	-	-	-	-	
07-03-2019	7 AM	-	-	-	-	-	-	-	-	
07-03-2019	8 AM	-	-	-	-	-	-	-	-	
07-03-2019	9 AM	0	0	0	0	0	0	0	0	Start up / Optimising for higher flowrate
07-03-2019	10 AM	0.5	0	1	1	0	232	0	0.5	Start up / Optimising for higher flowrate
07-03-2019	11 AM	1	0	55	1	0	66	0	1	Start up / Optimising for higher flowrate
07-03-2019	12 PM	2	0	216	2	0	39	0	0	Optimising for higher flowrate
07-03-2019	1 PM	2	0	239	0	0	25	0	0	Optimising for higher flowrate
07-03-2019	2 PM	1	0	101	1	1	53	0	0	Optimising for higher flowrate
07-03-2019	3 PM	2	0	22	1	1	93	0	0	Stopping
07-03-2019	4 PM	2	0	2	1	0	277	0	0	Stopping
07-03-2019	5 PM	2	0	4	1	0	356	0	0	Stopping
07-03-2019	6 PM	-	-	-	-	-	-	-	-	
07-03-2019	7 PM	-	-	-	-	-	-	-	-	
07-03-2019	8 PM	-	-	-	-	-	-	-	-	
07-03-2019	9 PM	-	-	-	-	-	-	-	-	

07-03-2019	10 PM	-	-	-	-	-	-	-	-	
07-03-2019	11 PM	-	-	-	-	-	-	-	-	
08-03-2019	12 AM	-	-	-	-	-	-	-	-	
08-03-2019	1 AM	-	-	-	-	-	-	-	-	
08-03-2019	2 AM	-	-	-	-	-	-	-	-	
08-03-2019	3 AM	-	-	-	-	-	-	-	-	
08-03-2019	4 AM	-	-	-	-	-	-	-	-	
08-03-2019	5 AM	-	-	-	-	-	-	-	-	
08-03-2019	6 AM	-	-	-	-	-	-	-	-	
08-03-2019	7 AM	-	-	-	-	-	-	-	-	
08-03-2019	8 AM	-	-	-	-	-	-	-	-	
08-03-2019	9 AM	-	-	-	-	-	-	-	-	
08-03-2019	10 AM	-	-	-	-	-	-	-	-	
08-03-2019	11 AM	-	-	-	-	-	-	-	-	
08-03-2019	12 PM	-	-	-	-	-	-	-	-	
08-03-2019	1 PM	-	-	-	-	-	-	-	-	
08-03-2019	2 PM	-	-	-	-	-	-	-	-	
08-03-2019	3 PM	-	-	-	-	-	-	-	-	
08-03-2019	4 PM	-	-	-	-	-	-	-	-	
08-03-2019	5 PM	-	-	-	-	-	-	-	-	
08-03-2019	6 PM	-	-	-	-	-	-	-	-	
08-03-2019	7 PM	-	-	-	-	-	-	-	-	
08-03-2019	8 PM	-	-	-	-	-	-	-	-	
08-03-2019	9 PM	-	-	-	-	-	-	-	-	
08-03-2019	10 PM	-	-	-	-	-	-	-	-	
08-03-2019	11 PM	-	-	-	-	-	-	-	-	
09-03-2019	12 AM	-	-	-	-	-	-	-	-	
09-03-2019	1 AM	-	-	-	-	-	-	-	-	
09-03-2019	2 AM	-	-	-	-	-	-	-	-	

09-03-2019	3 AM	-	-	-	-	-	-	-	-	
09-03-2019	4 AM	1.5	0	0	0	0	56	0	0.5	Start up
09-03-2019	5 AM	2	35	23	4	496	38	0	0	Start up
09-03-2019	6 AM	2	0	36	0	0	53	0	0	Start up
09-03-2019	7 AM	2	0	4	3	0	395	0	0	Start up
09-03-2019	8 AM	2	0	95	2	1	443	0	0	
09-03-2019	9 AM	3.5	350	133	10	97	3242	0	1.5	Exceedance in HF is resulted by the interference of sensor by other gases.
09-03-2019	10 AM	3	0	4	1	1	387	0	0	
09-03-2019	11 AM	3	0	53	20	0	100	0	0	
09-03-2019	12 PM	3	0	53	57	0	56	0	0	
09-03-2019	1 PM	3	0	0	26	3	924	0	0	
09-03-2019	2 PM	3	0	0	7	0	516	0	0	
09-03-2019	3 PM	3	0	0	3	1	646	0	0	
09-03-2019	4 PM	3	0	0	2	0	864	0	0	
09-03-2019	5 PM	3	0	0	2	1	992	0	0	
09-03-2019	6 PM	3	0	1	0	0	444	0	0	
09-03-2019	7 PM	3	0	23	5	0	192	0	0	
09-03-2019	8 PM	3	0	0	49	4	1064	0	0	
09-03-2019	9 PM	3	0	0	77	2	817	0	0	
09-03-2019	10 PM	3	2	0	59	3	1877	0	0.5	
09-03-2019	11 PM	2.5	0	0	19	3	1551	0	0.5	
10-03-2019	12 AM	2	0	0	7	3	1157	0	1	
10-03-2019	1 AM	3	0	0	4	0	1573	0	1	
10-03-2019	2 AM	0.5	60	47	1	6	1087	0	0.5	
10-03-2019	3 AM	3	14	19	2	2	1499	0	1	
10-03-2019	4 AM	3	0	2	0	0	464	0	0	

10-03-2019	5 AM	3	0	0	0	0	578	0	0	
10-03-2019	6 AM	3	0	7	0	0	403	0	0	
10-03-2019	7 AM	3	0	7	1	0	743	0	0	
10-03-2019	8 AM	3	0	0	2	1	1288	0	0.5	
10-03-2019	9 AM	3	0	11	8	0	669	0	0	
10-03-2019	10 AM	2.5	0	31	49	0	155	0	0	
10-03-2019	11 AM	2	0	70	47	0	94	0	0	Stopping
10-03-2019	12 PM	3	0	2	15	0	457	0	0	Stopping
10-03-2019	1 PM	1.5	0	0	4	0	263	0	0	Stopping
10-03-2019	2 PM	-	-	-	-	-	-	-	-	
10-03-2019	3 PM	-	-	-	-	-	-	-	-	
10-03-2019	4 PM	-	-	-	-	-	-	-	-	
10-03-2019	5 PM	-	-	-	-	-	-	-	-	
10-03-2019	6 PM	-	-	-	-	-	-	-	-	
10-03-2019	7 PM	1	0	0	1	0	150	0	0	Start up
10-03-2019	8 PM	3	0	206	0	0	58	0	0	Start up
10-03-2019	9 PM	1	0	509	0	0	33	0	0	Start up
10-03-2019	10 PM	0.5	93	88	2	22	597	0	0	Start up
10-03-2019	11 PM	2.5	23	129	2	2	632	0	0	
11-03-2019	12 AM	1.5	0	286	0	7	33	0	0.5	
11-03-2019	1 AM	2	0	275	0	0	32	0	0	
11-03-2019	2 AM	2	0	420	0	0	22	0	0	
11-03-2019	3 AM	2	0	298	0	0	15	0	0	
11-03-2019	4 AM	2	0	356	0	0	13	0	0	
11-03-2019	5 AM	2	0	259	0	0	11	0	0	
11-03-2019	6 AM	2	0	140	0	0	10	0	0	
11-03-2019	7 AM	2.5	0	47	0	0	31	0	0	
11-03-2019	8 AM	2	0	1	0	0	360	0	0	
11-03-2019	9 AM	2.5	0	24	0	0	255	0	0	

11-03-2019	10 AM	2	0	0	0	0	795	0	0	
11-03-2019	11 AM	2	0	0	1	0	1304	0	0	
11-03-2019	12 PM	2	0	0	1	0	1286	0	0	
11-03-2019	1 PM	2	0	0	1	0	1008	0	0	
11-03-2019	2 PM	1	0	0	0	0	446	0	0	
11-03-2019	3 PM	1	0	5	16	0	338	0	0	
11-03-2019	4 PM	1.5	200	1340	88	1423	1030	1	1	Unstable and always tripped / Start and stop
11-03-2019	5 PM	3	414	537	39	356	1994	0	1.5	Unstable and always tripped / Start and stop/ Exceedance in HF is resulted by the interference of sensor by other gases.
11-03-2019	6 PM	1	0	1057	5	6	59	0	0	Unstable and always tripped / Start and stop
11-03-2019	7 PM	0.5	6	545	0	20	165	0	0	Unstable and always tripped / Start and stop
11-03-2019	8 PM	-	-	-	-	-	-	-	-	
11-03-2019	9 PM	1.5	0	287	0	0	28	0	0	Unstable and always tripped / Start and stop
11-03-2019	10 PM	2	0	514	0	0	18	0	0	Unstable and always tripped / Start and stop

11-03-2019	11 PM	2	0	1057	0	0	13	0	0	Unstable and always tripped / Start and stop
12-03-2019	12 AM	1	84	252	7	276	346	0	0.5	Unstable and always tripped / Start and stop
12-03-2019	1 AM	0.5	6	621	4	21	85	0	0	Unstable and always tripped / Start and stop
12-03-2019	2 AM	1	1	323	0	89	141	0	0	Unstable and always tripped / Start and stop
12-03-2019	3 AM	1.5	0	1619	0	0	25	0	0	Unstable and always tripped / Start and stop
12-03-2019	4 AM	0.5	0	59	0	1	14	0	0	Unstable and always tripped / Start and stop
12-03-2019	5 AM	1	0	880	0	0	23	0	0	Unstable and always tripped / Start and stop
12-03-2019	6 AM	0	0	49	0	0	7	0	0	Unstable and always tripped / Start and stop
12-03-2019	7 AM	1	0	775	0	0	27	0	0	Unstable and always tripped / Start and stop
12-03-2019	8 AM	-	-	-	-	-	-	-	-	
12-03-2019	9 AM	-	-	-	-	-	-	-	-	
12-03-2019	10 AM	1.5	13	238	17	31	52	0	0.5	Start up
12-03-2019	11 AM	2	65	516	30	1215	513	0.5	0.5	Start up
12-03-2019	12 PM	2	0	342	0	0	42	0	0	Start up

12-03-2019	1 PM	2	0	208	0	0	24	0	0	Start up
12-03-2019	2 PM	1.5	19	169	0	186	132	0	0	Optimising for higher flowrate
12-03-2019	3 PM	2	0	103	0	0	33	0	0	Optimising for higher flowrate
12-03-2019	4 PM	2	23	289	3	334	129	0	0	Optimising for higher flowrate
12-03-2019	5 PM	3.5	43	36	29	5	326	0	0	Optimising for higher flowrate
12-03-2019	6 PM	4.5	404	175	69	25	2954	0	0.5	Optimising for higher flowrate
12-03-2019	7 PM	5	371	227	51	29	3906	0	2	Optimising for higher flowrate /Exceedance in HF is resulted by the interference of sensor by other gases.
12-03-2019	8 PM	4.5	266	214	21	14	3122	0	1	
12-03-2019	9 PM	4	293	212	12	13	2816	0	1	
12-03-2019	10 PM	2	200	129	5	9	2129	0	0.5	
12-03-2019	11 PM	0	87	41	0	4	790	0	0	
13-03-2019	12 AM	4	272	186	11	15	3653	0	1	
13-03-2019	1 AM	4	282	191	11	15	3531	0	1	
13-03-2019	2 AM	4	329	201	19	18	3423	0	1	
13-03-2019	3 AM	4	289	198	18	18	3934	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
13-03-2019	4 AM	4	286	199	14	18	3988	0	2	Exceedance in HF is resulted by the

										interference of sensor by other gases.
13-03-2019	5 AM	4	271	196	13	17	3935	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
13-03-2019	6 AM	4	250	195	13	16	3887	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
13-03-2019	7 AM	4	245	193	13	15	3953	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
13-03-2019	8 AM	4	245	194	14	15	4071	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
13-03-2019	9 AM	4	254	197	14	16	4218	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
13-03-2019	10 AM	4	200	182	14	14	4016	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.

13-03-2019	11 AM	2.5	1	112	2	1	1165	0	1	
13-03-2019	12 PM	2	0	603	9	0	49	0	0	Stopping
13-03-2019	1 PM	2.5	0	352	2	0	27	0	0	Stopping
13-03-2019	2 PM	3	0	301	0	0	20	0	0	Stopping
13-03-2019	3 PM	3	0	295	0	0	17	0	0	Stopping
13-03-2019	4 PM	-	-	-	-	-	-	-	-	
13-03-2019	5 PM	-	-	-	-	-	-	-	-	
13-03-2019	6 PM	-	-	-	-	-	-	-	-	
13-03-2019	7 PM	-	-	-	-	-	-	-	-	
13-03-2019	8 PM	-	-	-	-	-	-	-	-	
13-03-2019	9 PM	-	-	-	-	-	-	-	-	
13-03-2019	10 PM	-	-	-	-	-	-	-	-	
13-03-2019	11 PM	-	-	-	-	-	-	-	-	
14-03-2019	12 AM	-	-	-	-	-	-	-	-	
14-03-2019	1 AM	-	-	-	-	-	-	-	-	
14-03-2019	2 AM	-	-	-	-	-	-	-	-	
14-03-2019	3 AM	-	-	-	-	-	-	-	-	
14-03-2019	4 AM	-	-	-	-	-	-	-	-	
14-03-2019	5 AM	0.5	6	25	0	0	332	0	0.5	Start up
14-03-2019	6 AM	2.5	1	220	0	0	149	0	0	Start up
14-03-2019	7 AM	2	0	450	0	0	35	0	0	Start up
14-03-2019	8 AM	1.5	0	137	0	0	18	0	0	Start up
14-03-2019	9 AM	2	0	409	42	0	29	0	0	
14-03-2019	10 AM	1	0	337	13	0	19	0	0	
14-03-2019	11 AM	2	0	98	2	0	40	0	0	
14-03-2019	12 PM	2	0	58	0	0	47	0	0	
14-03-2019	1 PM	2	0	56	0	0	173	0	0	
14-03-2019	2 PM	2	0	131	0	0	36	0	0	
14-03-2019	3 PM	3	7	0	7	3	2725	0	1	

14-03-2019	4 PM	3	8	0	8	4	3223	0	1	
14-03-2019	5 PM	3	17	0	9	6	3336	0	1	
14-03-2019	6 PM	3	21	0	8	6	2847	0	1	
14-03-2019	7 PM	2.5	0	58	17	1	743	0	0.5	
14-03-2019	8 PM	3	5	70	73	1	167	0	0	
14-03-2019	9 PM	1.5	16	1	27	3	1122	0	0.5	
14-03-2019	10 PM	3	25	0	24	5	2555	0	1	
14-03-2019	11 PM	3	0	2	31	0	988	0	1	
15-03-2019	12 AM	3	39	0	25	7	4414	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	1 AM	3	13	0	12	6	3854	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	2 AM	3	3	0	8	4	3433	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	3 AM	0	10	0	0	2	1020	0	0.5	
15-03-2019	4 AM	3	40	2	11	8	4106	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	5 AM	3	17	1	8	7	3519	0	2	Exceedance in HF is resulted by the interference of

										sensor by other gases.
15-03-2019	6 AM	3	38	1	10	8	3828	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	7 AM	3	20	0	8	7	3545	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	8 AM	3	36	1	9	9	3846	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
15-03-2019	9 AM	-	-	-	-	-	-	-	-	
15-03-2019	10 AM	-	-	-	-	-	-	-	-	
15-03-2019	11 AM	-	-	-	-	-	-	-	-	
15-03-2019	12 PM	-	-	-	-	-	-	-	-	
15-03-2019	1 PM	-	-	-	-	-	-	-	-	
15-03-2019	2 PM	-	-	-	-	-	-	-	-	
15-03-2019	3 PM	-	-	-	-	-	-	-	-	
15-03-2019	4 PM	-	-	-	-	-	-	-	-	
15-03-2019	5 PM	-	-	-	-	-	-	-	-	
15-03-2019	6 PM	-	-	-	-	-	-	-	-	
15-03-2019	7 PM	2.5	26	0	6	0	37	0	1	Start up
15-03-2019	8 PM	3	21	0	0	0	27	0	0	Start up
15-03-2019	9 PM	3	135	0	0	0	19	0	0	Start up
15-03-2019	10 PM	3	207	0	0	0	16	0	0	Start up

15-03-2019	11 PM	3	45	109	0	2	110	0	0	
16-03-2019	12 AM	3	177	120	9	9	2389	0	1	
16-03-2019	1 AM	3	159	85	9	11	2295	0	1	
16-03-2019	2 AM	3	178	139	8	8	1787	0	1	
16-03-2019	3 AM	3	110	114	28	8	768	0	0.5	
16-03-2019	4 AM	3	170	152	36	7	1258	0	1	
16-03-2019	5 AM	3	276	204	16	10	1340	0	1	
16-03-2019	6 AM	3	254	188	7	12	673	0	0.5	
16-03-2019	7 AM	3	210	177	4	15	312	0	0	
16-03-2019	8 AM	3	199	175	2	16	226	0	0	
16-03-2019	9 AM	3	216	181	3	18	229	0	0	
16-03-2019	10 AM	3	156	146	2	17	186	0	0	
16-03-2019	11 AM	3	50	65	5	14	185	0	0	
16-03-2019	12 PM	3	47	65	59	15	130	0	0	
16-03-2019	1 PM	0	292	49	10	7	398	0	0	
16-03-2019	2 PM	3	825	194	25	22	2671	0	1	
16-03-2019	3 PM	3	615	193	45	21	2031	0	1	
16-03-2019	4 PM	0	359	85	18	14	1186	0	0.5	
16-03-2019	5 PM	3	379	183	24	20	3344	0	1	
16-03-2019	6 PM	3	355	174	14	18	3070	0	1	
16-03-2019	7 PM	3	347	178	11	18	3031	0	1	
16-03-2019	8 PM	3	349	185	10	18	2994	0	1	
16-03-2019	9 PM	3	367	193	11	18	2863	0	1	
16-03-2019	10 PM	3	337	184	12	17	3058	0	1	
16-03-2019	11 PM	3	320	169	11	16	2865	0	1	
17-03-2019	12 AM	3	278	156	12	14	3408	0	1.5	Exceedance in HF is resulted by the interference of sensor by other gases.

17-03-2019	1 AM	3	192	139	13	12	3857	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
17-03-2019	2 AM	3.5	238	179	13	14	3318	0	2	Exceedance in HF is resulted by the interference of sensor by other gases.
17-03-2019	3 AM	3.5	25	409	3	1	78	0	0.5	
17-03-2019	4 AM	3	9	347	0	2	29	0	0	
17-03-2019	5 AM	3	283	182	4	14	1181	0	0.5	
17-03-2019	6 AM	3	365	189	9	17	2440	0	1	
17-03-2019	7 AM	3.5	342	184	10	16	2600	0	1	
17-03-2019	8 AM	3	296	182	10	14	2685	0	1	
17-03-2019	9 AM	3.5	263	186	10	12	2915	0	1	
17-03-2019	10 AM	4	256	189	11	13	2937	0	1	
17-03-2019	11 AM	0	98	59	0	4	856	0	0.5	
17-03-2019	12 PM	3	291	187	9	13	2274	0	1	
17-03-2019	1 PM	0	99	45	3	5	225	0	0	
17-03-2019	2 PM	0	75	23	0	3	357	0	0	
17-03-2019	3 PM	0	68	24	0	2	362	0	0	
17-03-2019	4 PM	0	69	26	0	3	414	0	0	
17-03-2019	5 PM	0	53	16	0	3	304	0	0	
17-03-2019	6 PM	0	66	20	0	3	309	0	0	
17-03-2019	7 PM	0	79	22	0	5	444	0	0	
17-03-2019	8 PM	0	63	11	0	5	359	0	0	
17-03-2019	9 PM	0	73	19	0	6	177	0	0	
17-03-2019	10 PM	1.5	26	3	23	7	326	0	0	

17-03-2019	11 PM	1.5	40	8	50	4	146	0	0	
18-03-2019	12 AM	2	39	33	30	5	1056	0	0.5	
18-03-2019	1 AM	2	0	55	7	2	64	0	0	
18-03-2019	2 AM	0	38	14	1	23	682	0	0	
18-03-2019	3 AM	0.5	4	37	0	0	144	0	0.5	
18-03-2019	4 AM	3	0	376	0	0	46	0	0	
18-03-2019	5 AM	3	0	287	0	0	31	0	0	
18-03-2019	6 AM	3	101	81	2	9	419	0	0	
18-03-2019	7 AM	3	179	116	4	17	309	0	0	
18-03-2019	8 AM	0	24	22	0	5	58	0	0	
18-03-2019	9 AM	3	26	115	1	8	84	0	0	
18-03-2019	10 AM	0.5	0	76	0	1	19	0	0	
18-03-2019	11 AM	3	0	226	0	0	25	0	0	
18-03-2019	12 PM	3	0	212	0	0	19	0	0	
18-03-2019	1 PM	3	0	221	5	0	16	0	0	
18-03-2019	2 PM	1.5	0	153	17	0	11	0	0	
18-03-2019	3 PM	1.5	16	86	5	2	14	0	0	
18-03-2019	4 PM	2.5	86	131	4	5	83	0	0	
18-03-2019	5 PM	0.5	87	78	1	8	53	0	0	
18-03-2019	6 PM	2	163	130	5	15	244	0	0	
18-03-2019	7 PM	2	206	133	7	17	466	0	0	
18-03-2019	8 PM	3	256	144	8	18	732	0	0	
18-03-2019	9 PM	3	310	153	10	20	1172	0	0.5	
18-03-2019	10 PM	1	209	82	5	12	1143	0	0.5	
18-03-2019	11 PM	3	309	129	13	18	2335	0	1	
19-03-2019	12 AM	3	243	93	42	16	2073	0	1	
19-03-2019	1 AM	3	313	125	53	19	2424	0	1	
19-03-2019	2 AM	3	280	117	24	17	3061	0	1	
19-03-2019	3 AM	3	294	121	14	18	2299	0	1	

19-03-2019	4 AM	3	311	142	11	19	1548	0	1	
19-03-2019	5 AM	3	254	134	9	16	932	0	0.5	
19-03-2019	6 AM	3	219	130	7	16	667	0	0	
19-03-2019	7 AM	3	212	135	6	15	505	0	0	
19-03-2019	8 AM	3	249	136	7	17	832	0	0	
19-03-2019	9 AM	2.5	281	144	8	19	919	0	0.5	
19-03-2019	10 AM	2	321	145	9	23	1101	0	0.5	
19-03-2019	11 AM	2	326	137	10	26	1297	0	1	
19-03-2019	12 PM	2	237	103	30	25	974	0	0	
19-03-2019	1 PM	3	438	206	38	27	1038	0	1	
19-03-2019	2 PM	3	340	179	15	20	828	0	0	
19-03-2019	3 PM	3	363	191	10	21	885	0	0.5	
19-03-2019	4 PM	2.5	316	162	10	18	961	0	0	
19-03-2019	5 PM	2.5	353	170	10	22	905	0	0	
19-03-2019	6 PM	3	388	179	13	23	1046	0	0	
19-03-2019	7 PM	3	112	242	5	9	292	0	0	
19-03-2019	8 PM	3	0	459	0	0	33	0	0	
19-03-2019	9 PM	2	0	366	16	0	22	0	0	
19-03-2019	10 PM	2	251	174	84	590	19	0	0.5	
19-03-2019	11 PM	2	886	35	113	2422	15	1.5	1	
20-03-2019	12 AM	2	1065	8	59	1705	12	0	1	
20-03-2019	1 AM	1	1860	0	73	2908	10	3.5	1	
20-03-2019	2 AM	0.5	2021	169	93	4721	7	10	2	Exceedance in HF is resulted by the interference of sensor by other gases.
20-03-2019	3 AM	2	287	7	11	489	9	0	0	
20-03-2019	4 AM	2	1002	0	36	1808	9	0.5	1	
20-03-2019	5 AM	2	1011	0	43	2084	8	1	1	

20-03-2019	6 AM	2	1021	32	61	2467	7	2	1	
20-03-2019	7 AM	4.5	441	14	15	677	7	0	0	
20-03-2019	8 AM	-	-	-	-	-	-	-	-	
20-03-2019	9 AM	-	-	-	-	-	-	-	-	
20-03-2019	10 AM	-	-	-	-	-	-	-	-	
20-03-2019	11 AM	-	-	-	-	-	-	-	-	
20-03-2019	12 PM	0.5	0	170	0	0	3	0	0.5	Start up
20-03-2019	1 PM	3	0	448	0	0	13	0	0.5	Start up
20-03-2019	2 PM	2.5	77	287	4	900	22	0	0.5	Start up
20-03-2019	3 PM	3	1	183	0	0	13	0	0	Start up
20-03-2019	4 PM	3	87	157	2	11	34	0	0	
20-03-2019	5 PM	3	130	192	7	11	65	0	0	
20-03-2019	6 PM	3	0	194	6	3	24	0	0	
20-03-2019	7 PM	3	1	217	4	2	15	0	0	
20-03-2019	8 PM	3	0	180	36	1	14	0	0	
20-03-2019	9 PM	3	105	179	58	7	59	0	0	
20-03-2019	10 PM	3	293	173	26	13	823	0	0	
20-03-2019	11 PM	3	280	161	17	16	655	0	0	
21-03-2019	12 AM	2	375	162	18	19	639	0	1	
21-03-2019	1 AM	3	269	133	17	20	798	0	0	
21-03-2019	2 AM	2	296	141	15	25	740	0	0	
21-03-2019	3 AM	2.5	342	156	14	27	805	0	0	
21-03-2019	4 AM	3	335	156	14	26	799	0	0	
21-03-2019	5 AM	3	344	154	14	28	826	0	0	
21-03-2019	6 AM	3	346	153	13	27	872	0	0	
21-03-2019	7 AM	3	351	155	13	28	858	0	0	
21-03-2019	8 AM	2	328	138	12	26	584	0	0.5	
21-03-2019	9 AM	2	268	135	20	25	529	0	0	
21-03-2019	10 AM	3	335	178	22	26	504	0	0	

21-03-2019	11 AM	1.5	282	137	9	22	384	0	0	
21-03-2019	12 PM	2	295	134	7	30	602	0	0	
21-03-2019	1 PM	3	257	122	10	26	1035	0	0	
21-03-2019	2 PM	1.5	154	57	15	13	3461	0	1	
21-03-2019	3 PM	0	108	278	22	976	1444	0	1	Stopping / Unstable
21-03-2019	4 PM	0	0	399	0	0	26	0	0	Stopping / Unstable
21-03-2019	5 PM	0	0	0	0	0	0	0	0	Stopping / Unstable
21-03-2019	6 PM	-	-	-	-	-	-	-	-	
21-03-2019	7 PM	-	-	-	-	-	-	-	-	
21-03-2019	8 PM	0	0	0	0	0	0	0	0	
21-03-2019	9 PM	0	0	0	0	0	0	0	0	
21-03-2019	10 PM	0	267	119	18	1095	615	0.5	1	Start up
21-03-2019	11 PM	0	376	331	32	1436	821	1.5	1.5	Start up /Exceedance in HF is resulted by the interference of sensor by other gases.
22-03-2019	12 AM	0	0	335	2	0	3	0	1	
22-03-2019	1 AM	0.5	0	578	2	0	34	0	1	
22-03-2019	2 AM	1	29	955	5	140	105	0	1	
22-03-2019	3 AM	1	762	1159	36	1521	671	0.5	1	
22-03-2019	4 AM	0.5	91	34	11	397	330	0	0.5	
22-03-2019	5 AM	1	814	348	80	3077	2547	4	2.5	Stopping / Unstable /Exceedance in HF is resulted by the interference of

										sensor by other gases.
22-03-2019	6 AM	1.5	1169	248	41	1332	1787	1	2	Stopping / Unstable Exceedance in HF is resulted by the interference of sensor by other gases.
22-03-2019	7 AM	1.5	231	303	44	1003	863	0	0.5	Stopping / Unstable
22-03-2019	8 AM	0	288	241	88	4546	2017	5.5	2	Stopping / Unstable Exceedance in HF is resulted by the interference of sensor by other gases.
22-03-2019	9 AM	-	-	-	-	-	-	-	-	
22-03-2019	10 AM	-	-	-	-	-	-	-	-	
22-03-2019	11 AM	-	-	-	-	-	-	-	-	
22-03-2019	12 PM	-	-	-	-	-	-	-	-	
22-03-2019	1 PM	1.5	0	1	0	2	32	0	1	
22-03-2019	2 PM	-	-	-	-	-	-	-	-	
22-03-2019	3 PM	-	-	-	-	-	-	-	-	
22-03-2019	4 PM	-	-	-	-	-	-	-	-	
22-03-2019	5 PM	-	-	-	-	-	-	-	-	
22-03-2019	6 PM	-	-	-	-	-	-	-	-	
22-03-2019	7 PM	-	-	-	-	-	-	-	-	
22-03-2019	8 PM	-	-	-	-	-	-	-	-	
22-03-2019	9 PM	-	-	-	-	-	-	-	-	

22-03-2019	10 PM	-	-	-	-	-	-	-	-	
22-03-2019	11 PM	-	-	-	-	-	-	-	-	
23-03-2019	12 AM	-	-	-	-	-	-	-	-	
23-03-2019	1 AM	-	-	-	-	-	-	-	-	
23-03-2019	2 AM	-	-	-	-	-	-	-	-	
23-03-2019	3 AM	-	-	-	-	-	-	-	-	
23-03-2019	4 AM	-	-	-	-	-	-	-	-	
23-03-2019	5 AM	-	-	-	-	-	-	-	-	
23-03-2019	6 AM	-	-	-	-	-	-	-	-	
23-03-2019	7 AM	-	-	-	-	-	-	-	-	
23-03-2019	8 AM	-	-	-	-	-	-	-	-	
23-03-2019	9 AM	-	-	-	-	-	-	-	-	
23-03-2019	10 AM	-	-	-	-	-	-	-	-	
23-03-2019	11 AM	-	-	-	-	-	-	-	-	
23-03-2019	12 PM	-	-	-	-	-	-	-	-	
23-03-2019	1 PM	-	-	-	-	-	-	-	-	
23-03-2019	2 PM	-	-	-	-	-	-	-	-	
23-03-2019	3 PM	-	-	-	-	-	-	-	-	
23-03-2019	4 PM	-	-	-	-	-	-	-	-	
23-03-2019	5 PM	-	-	-	-	-	-	-	-	
23-03-2019	6 PM	-	-	-	-	-	-	-	-	
23-03-2019	7 PM	-	-	-	-	-	-	-	-	
23-03-2019	8 PM	-	-	-	-	-	-	-	-	
23-03-2019	9 PM	-	-	-	-	-	-	-	-	
23-03-2019	10 PM	-	-	-	-	-	-	-	-	
23-03-2019	11 PM	-	-	-	-	-	-	-	-	
24-03-2019	12 AM	0.5	3	40	3	25	2	0	1	Start up
24-03-2019	1 AM	3	150	306	27	1185	161	0	1.5	Start up / Exceedance in HF is

										resulted by the interference of sensor by other gases.
24-03-2019	2 AM	2.5	180	274	29	1817	63	0.5	1	Start up
24-03-2019	3 AM	2.5	132	140	25	1520	26	0	1	Start up
24-03-2019	4 AM	3	6	54	4	56	204	0	0	
24-03-2019	5 AM	3	21	27	7	11	680	0	0	
24-03-2019	6 AM	3.5	13	58	6	10	339	0	0	
24-03-2019	7 AM	4	0	275	13	3	37	0	0	
24-03-2019	8 AM	3.5	124	420	28	538	25	0	0	
24-03-2019	9 AM	3	212	211	25	1385	29	0	0	
24-03-2019	10 AM	2.5	417	131	53	2465	40	1	0.5	
24-03-2019	11 AM	3	113	245	14	644	217	0	0	
24-03-2019	12 PM	3	21	121	3	112	72	0	0	
24-03-2019	1 PM	3	75	88	10	337	194	0	0	
24-03-2019	2 PM	3	71	55	7	251	231	0	0	
24-03-2019	3 PM	3	243	79	17	647	558	0	0	
24-03-2019	4 PM	3	150	76	15	453	408	0	0	
24-03-2019	5 PM	3	163	57	13	361	521	0	0	
24-03-2019	6 PM	3	90	43	11	308	519	0	0	
24-03-2019	7 PM	3	129	59	11	288	397	0	0	
24-03-2019	8 PM	3	168	65	16	559	535	0	0	
24-03-2019	9 PM	3	115	57	11	331	369	0	0	
24-03-2019	10 PM	3	37	69	6	105	199	0	0	
24-03-2019	11 PM	3	543	159	37	1651	1187	1	1	
25-03-2019	12 AM	2	481	128	46	2012	1243	1	1	Unsteady operating
25-03-2019	1 AM	2	371	110	35	1490	1049	0	1	Unsteady operating
25-03-2019	2 AM	2	349	86	29	1271	1025	0	1	Unsteady operating

25-03-2019	3 AM	2.5	593	163	40	1827	1372	1	1.5	Unsteady operating /Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	4 AM	2	590	132	44	2222	1566	1.5	1.5	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	5 AM	2	513	143	53	2802	1622	2.5	2	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	6 AM	2	491	218	70	3019	1659	3	2	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	7 AM	2	552	214	54	3182	1702	3.5	2	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	8 AM	2	468	231	63	3124	1609	3	2	Unsteady operating / Exceedance in HF is resulted by the

										interference of sensor by other gases.
25-03-2019	9 AM	1.5	579	385	82	3359	1642	3.5	2	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	10 AM	2	419	419	88	3936	1011	4.5	2	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	11 AM	1	339	489	80	3710	373	4	1.5	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	12 PM	0.5	23	271	22	1634	83	1.5	0.5	Unsteady operating
25-03-2019	1 PM	2	379	434	68	3447	55	6	1	Unsteady operating
25-03-2019	2 PM	1.5	378	690	78	4278	292	4	1.5	Unsteady operating / Exceedance in HF is resulted by the interference of sensor by other gases.
25-03-2019	3 PM	1.5	344	825	26	1347	722	1	0.5	Unsteady operating
25-03-2019	4 PM	2.5	0	526	0	0	39	0	0	Unsteady operating
25-03-2019	5 PM	0	9	31	0	107	20	0	0	Unsteady operating

25-03-2019	6 PM	2.5	0	205	34	1	29	0	0	Unsteady operating
25-03-2019	7 PM	4.5	545	213	51	149	3111	0	0.5	
25-03-2019	8 PM	4.5	149	135	33	18	1579	0	0	
25-03-2019	9 PM	4	121	61	22	21	2264	0	0.5	
25-03-2019	10 PM	4	140	69	19	22	2203	0	0.5	
25-03-2019	11 PM	4	147	68	19	52	1763	0	0.5	
26-03-2019	12 AM	4	166	71	23	319	1407	0	0.5	
26-03-2019	1 AM	4	145	44	29	416	1736	0	1	
26-03-2019	2 AM	4	136	42	24	218	1703	0	1	
26-03-2019	3 AM	4	134	42	24	159	1805	0	0.5	
26-03-2019	4 AM	4	96	29	23	36	1938	0	0	
26-03-2019	5 AM	4	83	27	63	22	1778	0	0	
26-03-2019	6 AM	4	76	28	121	22	1685	0	0	
26-03-2019	7 AM	4	94	46	130	22	1611	0	0	
26-03-2019	8 AM	4	106	63	62	20	1601	0	0	
26-03-2019	9 AM	2.5	26	547	20	220	912	0	0.5	Unsteady operating / tripped
26-03-2019	10 AM	3	19	110	9	4	783	0	0.5	Test run by contractor
26-03-2019	11 AM	2	0	685	3	0	42	0	0	Test run by contractor
26-03-2019	12 PM	2	0	742	1	0	29	0	0	Test run by contractor
26-03-2019	1 PM	2	0	646	1	0	21	0	0	Test run by contractor
26-03-2019	2 PM	2	0	216	1	0	15	0	0	Test run by contractor
26-03-2019	3 PM	2	0	309	0	0	12	0	0	Test run by contractor
26-03-2019	4 PM	2	0	364	0	0	10	0	0	Test run by contractor

26-03-2019	5 PM	2	0	338	0	0	8	0	0	Test run by contractor
26-03-2019	6 PM	2	0	328	0	0	6	0	0	Test run by contractor
26-03-2019	7 PM	2	0	368	0	0	7	0	0	Test run by contractor
26-03-2019	8 PM	2	0	380	0	0	7	0	0	Test run by contractor
26-03-2019	9 PM	2	0	378	1	0	7	0	0	Test run by contractor
26-03-2019	10 PM	2	0	384	1	0	6	0	0	Test run by contractor
26-03-2019	11 PM	1.5	0	376	1	0	5	0	0	Test run by contractor
27-03-2019	12 AM	0.5	1	189	13	547	58	0	3	Stopping / Unstable / tripping / Exceedance in HF is resulted by the interference of sensor by other gases.
27-03-2019	1 AM	0	0	0	0	0	0	0	0	Stopping / Unstable
27-03-2019	2 AM	-	-	-	-	-	-	-	-	
27-03-2019	3 AM	1	36	56	5	3	437	0	0.5	Start up / Unstable
27-03-2019	4 AM	2	0	302	4	0	66	0	0	Start up / Unstable
27-03-2019	5 AM	2	0	330	0	0	22	0	0	Start up / Unstable
27-03-2019	6 AM	2	0	221	0	0	15	0	0	Start up / Unstable
27-03-2019	7 AM	2	0	209	0	0	11	0	0	
27-03-2019	8 AM	2	0	183	0	0	8	0	0	
27-03-2019	9 AM	2	0	133	2	0	7	0	0	
27-03-2019	10 AM	2	0	392	3	1	7	0	0	

27-03-2019	11 AM	2	0	446	5	0	8	0	0	
27-03-2019	12 PM	2	0	282	7	0	6	0	0	
27-03-2019	1 PM	2	0	250	9	0	5	0	0	
27-03-2019	2 PM	2	0	315	37	0	4	0	0	
27-03-2019	3 PM	2	0	333	28	0	4	0	0	
27-03-2019	4 PM	2	0	151	15	0	8	0	0	
27-03-2019	5 PM	2	0	185	12	0	8	0	0	
27-03-2019	6 PM	1	0	291	6	0	2	0	0	Stopping / Unstable
27-03-2019	7 PM	0	0	243	2	0	10	0	0	Stopping / Unstable
27-03-2019	8 PM	-	-	-	-	-	-	-	-	
27-03-2019	9 PM	0	0	59	0	0	11	0	0.5	
27-03-2019	10 PM	3	0	411	1	1	27	0	0	Start up / Unstable
27-03-2019	11 PM	2.5	0	320	0	0	17	0	0	Start up / Unstable
28-03-2019	12 AM	2	66	130	9	288	8	0	1.5	Start up / Unstable / Exceedance in HF is resulted by the interference of sensor by other gases.
28-03-2019	1 AM	2.5	0	102	1	0	26	0	0	Start up / Unstable
28-03-2019	2 AM	2	0	234	1	0	21	0	0	
28-03-2019	3 AM	1	12	175	0	3	109	0	0	
28-03-2019	4 AM	0.5	11	181	0	35	201	0	0	
28-03-2019	5 AM	2	0	344	0	0	38	0	0	
28-03-2019	6 AM	2	0	187	0	0	18	0	0	
28-03-2019	7 AM	2	0	205	15	0	11	0	0	
28-03-2019	8 AM	2	0	189	83	0	9	0	0	
28-03-2019	9 AM	2	0	148	90	0	7	0	0	

28-03-2019	10 AM	2	0	176	37	0	6	0	0	
28-03-2019	11 AM	2	0	176	14	0	6	0	0	
28-03-2019	12 PM	-	-	-	-	-	-	-	-	
28-03-2019	1 PM	-	-	-	-	-	-	-	-	
28-03-2019	2 PM	1.5	33	114	8	4	330	0	0.5	Start up / Unstable
28-03-2019	3 PM	2	0	422	9	0	26	0	0	Start up / Unstable
28-03-2019	4 PM	0.5	0	392	5	0	11	0	0	Start up / Unstable
28-03-2019	5 PM	0.5	4	0	4	2	570	0	0.5	Start up / Unstable
28-03-2019	6 PM	2	0	221	4	1	76	0	0	Start up / Unstable
28-03-2019	7 PM	2	0	242	2	0	20	0	0	
28-03-2019	8 PM	2	0	173	5	0	15	0	0	
28-03-2019	9 PM	1.5	0	273	40	0	12	0	0	
28-03-2019	10 PM	2	0	110	37	0	10	0	0	
28-03-2019	11 PM	2	0	187	20	0	9	0	0	
29-03-2019	12 AM	2	0	169	17	0	8	0	0	
29-03-2019	1 AM	1.5	24	273	20	37	11	0	0	
29-03-2019	2 AM	1.5	1183	283	52	1197	876	1.5	0.5	
29-03-2019	3 AM	2.5	0	159	17	0	32	0	0	
29-03-2019	4 AM	2	58	345	19	45	29	0	0	
29-03-2019	5 AM	2.5	0	91	19	0	35	0	0	
29-03-2019	6 AM	2	0	163	15	0	16	0	0	
29-03-2019	7 AM	2	0	189	11	0	12	0	0	
29-03-2019	8 AM	2	0	255	10	0	10	0	0	Stopping
29-03-2019	9 AM	1.5	0	400	10	0	7	0	0.5	Stopping
29-03-2019	10 AM	0.5	0	358	11	0	1	0	0.5	Stopping
29-03-2019	11 AM	-	-	-	-	-	-	-	-	
29-03-2019	12 PM	-	-	-	-	-	-	-	-	
29-03-2019	1 PM	-	-	-	-	-	-	-	-	
29-03-2019	2 PM	-	-	-	-	-	-	-	-	

29-03-2019	3 PM	-	-	-	-	-	-	-	-	
29-03-2019	4 PM	-	-	-	-	-	-	-	-	
29-03-2019	5 PM	-	-	-	-	-	-	-	-	
29-03-2019	6 PM	-	-	-	-	-	-	-	-	
29-03-2019	7 PM	-	-	-	-	-	-	-	-	
29-03-2019	8 PM	-	-	-	-	-	-	-	-	
29-03-2019	9 PM	0.5	0	82	14	0	6	0	0.5	Start up
29-03-2019	10 PM	3	0	407	20	0	21	0	0	Start up
29-03-2019	11 PM	3	0	305	7	0	17	0	0	Start up
30-03-2019	12 AM	3	0	173	4	0	13	0	0	
30-03-2019	1 AM	3	0	240	3	0	11	0	0	ASP unstable
30-03-2019	2 AM	3	0	246	0	0	10	0	0	ASP unstable
30-03-2019	3 AM	3	0	274	0	0	7	0	0	ASP unstable
30-03-2019	4 AM	3	0	295	0	0	5	0	0	ASP unstable
30-03-2019	5 AM	3	0	285	0	0	4	0	0	ASP unstable
30-03-2019	6 AM	3	0	256	0	0	4	0	0	ASP unstable
30-03-2019	7 AM	3	0	239	6	0	3	0	0	ASP unstable
30-03-2019	8 AM	3	0	163	5	0	2	0	0	
30-03-2019	9 AM	3	0	113	2	1	2	0	0	
30-03-2019	10 AM	3	0	86	1	1	2	0	0	
30-03-2019	11 AM	3	0	93	0	1	2	0	0	
30-03-2019	12 PM	3	0	98	1	1	2	0	0	
30-03-2019	1 PM	3	0	96	0	1	3	0	0	
30-03-2019	2 PM	3	0	151	0	1	2	0	0	
30-03-2019	3 PM	3	0	106	0	2	3	0	0	
30-03-2019	4 PM	3	0	97	3	2	2	0	0	
30-03-2019	5 PM	3	0	100	40	3	1	0	0	
30-03-2019	6 PM	3	0	91	17	1	2	0	0	
30-03-2019	7 PM	3	0	65	4	2	6	0	0	

30-03-2019	8 PM	3	0	91	1	2	6	0	0	
30-03-2019	9 PM	3	0	86	0	2	4	0	0	
30-03-2019	10 PM	0	0	2	0	0	1	0	0	
30-03-2019	11 PM	0	0	3	0	0	9	0	0	
31-03-2019	12 AM	3	0	50	3	1	34	0	0	
31-03-2019	1 AM	3	0	57	3	1	24	0	0	
31-03-2019	2 AM	3	0	38	3	1	70	0	0	Unstable / Tripping
31-03-2019	3 AM	3	0	29	4	2	95	0	0	Unstable / Tripping
31-03-2019	4 AM	1.5	0	25	2	1	43	0	0	Unstable / Tripping
31-03-2019	5 AM	0	2	0	0	0	87	0	0	Unstable / Tripping
31-03-2019	6 AM	0	0	8	0	1	34	0	0	
31-03-2019	7 AM	0	0	50	0	0	6	0	0	
31-03-2019	8 AM	0	0	30	0	0	3	0	0	
31-03-2019	9 AM	0	0	40	0	0	3	0	0	
31-03-2019	10 AM	1	0	122	3	0	5	0	0	
31-03-2019	11 AM	2	0	143	7	0	9	0	0	
31-03-2019	12 PM	1	0	103	4	0	4	0	0	
31-03-2019	1 PM	2	0	202	7	0	6	0	0	
31-03-2019	2 PM	1	0	134	4	0	4	0	0	
31-03-2019	3 PM	1	0	83	4	0	3	0	0	
31-03-2019	4 PM	2	0	202	30	0	4	0	0	
31-03-2019	5 PM	2	0	239	109	0	3	0	0	
31-03-2019	6 PM	3	0	211	135	0	1	0	0	
31-03-2019	7 PM	0	0	61	47	0	0	0	0	
31-03-2019	8 PM	1	0	215	25	0	0	0	0	
31-03-2019	9 PM	3	0	316	16	0	1	0	0	
31-03-2019	10 PM	2.5	0	306	6	0	1	0	0	
31-03-2019	11 PM	2.5	0	209	5	0	1	0	0	

Annex G6

Hourly Average of Parameters Measured in CAPCS

Date	Hour	VOC (including methane) (mg/Nm^3)	Dust (mg/Nm3)	Odour (OU/Nm3) (including NH3 & H2S)	Remark
01-04-19	12 AM	NA	0	0	
01-04-19	1 AM	NA	0	0	
01-04-19	2 AM	NA	0	0	
01-04-19	3 AM	NA	0	0	
01-04-19	4 AM	NA	0	0	
01-04-19	5 AM	NA	0	0	
01-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
01-04-19	7 AM	NA	0	0	
01-04-19	8 AM	NA	0	0	
01-04-19	9 AM	NA	0	0	
01-04-19	10 AM	NA	0	0	
01-04-19	11 AM	NA	0	24	
01-04-19	12 PM	NA	0	11	
01-04-19	1 PM	NA	0	21	
01-04-19	2 PM	NA	13	15	Dust: scheduled system calibration data (not exceedance)
01-04-19	3 PM	NA	0	0	
01-04-19	4 PM	NA	0	0	
01-04-19	5 PM	NA	0	0	
01-04-19	6 PM	NA	0	0	
01-04-19	7 PM	NA	0	0	
01-04-19	8 PM	NA	0	0	
01-04-19	9 PM	NA	0	0	
01-04-19	10 PM	NA	10	0	Dust: scheduled system calibration data (not exceedance)
01-04-19	11 PM	NA	0	0	
02-04-19	12 AM	NA	0	0	
02-04-19	1 AM	NA	0	0	
02-04-19	2 AM	NA	0	0	

02-04-19	3 AM	NA	0	0	
02-04-19	4 AM	NA	0	0	
02-04-19	5 AM	NA	0	0	
02-04-19	6 AM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
02-04-19	7 AM	NA	0	20	
02-04-19	8 AM	NA	0	71	
02-04-19	9 AM	NA	0	16	
02-04-19	10 AM	NA	0	5	
02-04-19	11 AM	NA	0	8	
02-04-19	12 PM	NA	0	2	
02-04-19	1 PM	NA	0	0	
02-04-19	2 PM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
02-04-19	3 PM	NA	0	0	
02-04-19	4 PM	NA	0	4	
02-04-19	5 PM	NA	0	1	
02-04-19	6 PM	NA	0	1	
02-04-19	7 PM	NA	0	0	
02-04-19	8 PM	NA	0	5	
02-04-19	9 PM	NA	0	24	
02-04-19	10 PM	NA	10	34	Dust: scheduled system calibration data (not exceedance)
02-04-19	11 PM	NA	0	24	
03-04-19	12 AM	NA	0	29	
03-04-19	1 AM	NA	0	14	
03-04-19	2 AM	NA	0	9	
03-04-19	3 AM	NA	0	1	
03-04-19	4 AM	NA	0	8	
03-04-19	5 AM	NA	0	23	
03-04-19	6 AM	NA	13	141	Dust: scheduled system calibration data (not exceedance)

03-04-19	7 AM	NA	0	173	
03-04-19	8 AM	NA	0	68	
03-04-19	9 AM	NA	0	70	
03-04-19	10 AM	NA	0	70	
03-04-19	11 AM	NA	0	79	
03-04-19	12 PM	NA	0	43	
03-04-19	1 PM	NA	0	14	
03-04-19	2 PM	NA	13	3	Dust: scheduled system calibration data (not exceedance)
03-04-19	3 PM	NA	0	2	
03-04-19	4 PM	NA	0	7	
03-04-19	5 PM	NA	0	87	
03-04-19	6 PM	NA	0	110	
03-04-19	7 PM	NA	0	281	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
03-04-19	8 PM	NA	0	0	
03-04-19	9 PM	NA	0	0	
03-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
03-04-19	11 PM	NA	0	0	
04-04-19	12 AM	NA	0	0	
04-04-19	1 AM	NA	0	0	
04-04-19	2 AM	NA	0	0	
04-04-19	3 AM	NA	0	0	
04-04-19	4 AM	NA	0	0	
04-04-19	5 AM	NA	0	0	
04-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
04-04-19	7 AM	NA	0	0	
04-04-19	8 AM	NA	0	0	
04-04-19	9 AM	NA	0	0	

04-04-19	10 AM	NA	0	20	
04-04-19	11 AM	NA	0	0	
04-04-19	12 PM	NA	0	56	
04-04-19	1 PM	NA	0	520	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
04-04-19	2 PM	NA	13	25	Dust: scheduled system calibration data (not exceedance)
04-04-19	3 PM	NA	0	46	
04-04-19	4 PM	NA	0	46	
04-04-19	5 PM	NA	0	82	
04-04-19	6 PM	NA	0	92	
04-04-19	7 PM	NA	0	99	
04-04-19	8 PM	NA	0	162	
04-04-19	9 PM	NA	0	383	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
04-04-19	10 PM	NA	13	167	Dust: scheduled system calibration data (not exceedance)
04-04-19	11 PM	NA	0	192	
05-04-19	12 AM	NA	0	131	
05-04-19	1 AM	NA	0	9	
05-04-19	2 AM	NA	0	354	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	3 AM	NA	0	767	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	4 AM	NA	0	210	
05-04-19	5 AM	NA	0	710	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019

05-04-19	6 AM	NA	13	1231	Odour: chemical dosing system under optimisation/ Dust: scheduled system calibration data (not exceedance)
05-04-19	7 AM	NA	0	752	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	8 AM	NA	0	156	
05-04-19	9 AM	NA	0	768	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	10 AM	NA	0	752	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	11 AM	NA	0	1357	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	12 PM	NA	0	1350	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	1 PM	NA	0	1256	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	2 PM	NA	13	1267	Odour: chemical dosing system under optimisation/ Dust: scheduled system calibration data (not exceedance)
05-04-19	3 PM	NA	0	1347	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	4 PM	NA	0	1350	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019

05-04-19	5 PM	NA	0	1485	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	6 PM	NA	0	1522	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	7 PM	NA	0	794	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
05-04-19	8 PM	NA	0	109	
05-04-19	9 PM	NA	0	50	
05-04-19	10 PM	NA	13	56	Dust: scheduled system calibration data (not exceedance)
05-04-19	11 PM	NA	0	46	
06-04-19	12 AM	NA	0	109	
06-04-19	1 AM	NA	0	162	
06-04-19	2 AM	NA	0	157	
06-04-19	3 AM	NA	0	144	
06-04-19	4 AM	NA	0	393	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
06-04-19	5 AM	NA	0	380	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
06-04-19	6 AM	NA	13	392	Odour: chemical dosing (acid scurbber) system malfunction / Dust: scheduled system calibration data (not exceedance)
06-04-19	7 AM	NA	0	258	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019

06-04-19	8 AM	NA	0	114	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
06-04-19	9 AM	NA	0	76	
06-04-19	10 AM	NA	0	92	
06-04-19	11 AM	NA	0	83	
06-04-19	12 PM	NA	0	35	
06-04-19	1 PM	NA	0	15	
06-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
06-04-19	3 PM	NA	0	30	
06-04-19	4 PM	NA	0	214	
06-04-19	5 PM	NA	0	359	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
06-04-19	6 PM	NA	0	181	
06-04-19	7 PM	NA	0	110	
06-04-19	8 PM	NA	0	214	
06-04-19	9 PM	NA	0	327	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
06-04-19	10 PM	NA	13	79	Dust: scheduled system calibration data (not exceedance)
06-04-19	11 PM	NA	0	15	
07-04-19	12 AM	NA	0	51	
07-04-19	1 AM	NA	0	0	
07-04-19	2 AM	NA	0	0	
07-04-19	3 AM	NA	0	0	
07-04-19	4 AM	NA	0	0	
07-04-19	5 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
07-04-19	6 AM	NA	0	10	

07-04-19	7 AM	NA	0	10	
07-04-19	8 AM	NA	0	15	
07-04-19	9 AM	NA	0	59	
07-04-19	10 AM	NA	0	5	
07-04-19	11 AM	NA	0	9	
07-04-19	12 PM	NA	0	0	
07-04-19	1 PM	NA	0	0	
07-04-19	2 PM	NA	26	0	Dust: scheduled system calibration data (not exceedance)
07-04-19	3 PM	NA	0	12	
07-04-19	4 PM	NA	0	8	
07-04-19	5 PM	NA	0	0	
07-04-19	6 PM	NA	0	0	
07-04-19	7 PM	NA	0	0	
07-04-19	8 PM	NA	0	0	
07-04-19	9 PM	NA	0	0	
07-04-19	10 PM	NA	13	5	Dust: scheduled system calibration data (not exceedance)
07-04-19	11 PM	NA	0	14	
08-04-19	12 AM	NA	0	0	
08-04-19	1 AM	NA	0	0	
08-04-19	2 AM	NA	0	0	
08-04-19	3 AM	NA	0	0	
08-04-19	4 AM	NA	0	5	
08-04-19	5 AM	NA	0	5	
08-04-19	6 AM	NA	13	5	Dust: scheduled system calibration data (not exceedance)
08-04-19	7 AM	NA	0	0	
08-04-19	8 AM	NA	0	20	
08-04-19	9 AM	NA	0	533	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019

08-04-19	10 AM	NA	0	163	
08-04-19	11 AM	NA	0	0	
08-04-19	12 PM	NA	0	3	
08-04-19	1 PM	NA	0	0	
08-04-19	2 PM	NA	13	41	Dust: scheduled system calibration data (not exceedance)
08-04-19	3 PM	NA	0	24	
08-04-19	4 PM	NA	0	43	
08-04-19	5 PM	NA	0	66	
08-04-19	6 PM	NA	0	46	
08-04-19	7 PM	NA	0	62	
08-04-19	8 PM	NA	0	0	
08-04-19	9 PM	NA	0	0	
08-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
08-04-19	11 PM	NA	0	0	
09-04-19	12 AM	NA	0	27	
09-04-19	1 AM	NA	0	52	
09-04-19	2 AM	NA	0	30	
09-04-19	3 AM	NA	0	26	
09-04-19	4 AM	NA	0	47	
09-04-19	5 AM	NA	0	0	
09-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
09-04-19	7 AM	NA	0	0	
09-04-19	8 AM	NA	0	0	
09-04-19	9 AM	NA	0	0	
09-04-19	10 AM	NA	0	0	
09-04-19	11 AM	NA	0	0	
09-04-19	12 PM	NA	0	0	
09-04-19	1 PM	NA	0	0	

09-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
09-04-19	3 PM	NA	0	0	
09-04-19	4 PM	NA	0	47	
09-04-19	5 PM	NA	0	0	
09-04-19	6 PM	NA	0	0	
09-04-19	7 PM	NA	0	0	
09-04-19	8 PM	NA	0	534	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
09-04-19	9 PM	NA	0	742	Odour: chemical dosing system was still under optimisation (manual dosing was needed) and the work was completed in 10 April 2019
09-04-19	10 PM	NA	9	162	Dust: scheduled system calibration data (not exceedance)
09-04-19	11 PM	NA	0	0	
10-04-19	12 AM	NA	0	0	
10-04-19	1 AM	NA	0	0	
10-04-19	2 AM	NA	0	20	
10-04-19	3 AM	NA	0	20	
10-04-19	4 AM	NA	0	0	
10-04-19	5 AM	NA	0	0	
10-04-19	6 AM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
10-04-19	7 AM	NA	0	0	
10-04-19	8 AM	NA	0	0	
10-04-19	9 AM	NA	0	36	
10-04-19	10 AM	NA	0	31	
10-04-19	11 AM	NA	0	38	
10-04-19	12 PM	NA	0	4	
10-04-19	1 PM	NA	0	36	

10-04-19	2 PM	NA	9	97	Dust: scheduled system calibration data (not exceedance)
10-04-19	3 PM	NA	0	78	
10-04-19	4 PM	NA	0	0	
10-04-19	5 PM	NA	0	0	
10-04-19	6 PM	NA	0	0	
10-04-19	7 PM	NA	0	0	
10-04-19	8 PM	NA	0	0	
10-04-19	9 PM	NA	0	0	
10-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
10-04-19	11 PM	NA	0	78	
11-04-19	12 AM	NA	0	48	
11-04-19	1 AM	NA	0	36	
11-04-19	2 AM	NA	0	36	
11-04-19	3 AM	NA	0	0	
11-04-19	4 AM	NA	0	0	
11-04-19	5 AM	NA	0	0	
11-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
11-04-19	7 AM	NA	0	0	
11-04-19	8 AM	NA	0	0	
11-04-19	9 AM	NA	0	0	
11-04-19	10 AM	NA	0	0	
11-04-19	11 AM	NA	0	0	
11-04-19	12 PM	NA	0	0	
11-04-19	1 PM	NA	0	80	
11-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
11-04-19	3 PM	NA	0	0	
11-04-19	4 PM	NA	0	0	
11-04-19	5 PM	NA	0	0	

11-04-19	6 PM	NA	0	0	
11-04-19	7 PM	NA	0	0	
11-04-19	8 PM	NA	0	0	
11-04-19	9 PM	NA	0	0	
11-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
11-04-19	11 PM	NA	0	0	
12-04-19	12 AM	NA	0	57	
12-04-19	1 AM	NA	0	100	
12-04-19	2 AM	NA	0	0	
12-04-19	3 AM	NA	0	0	
12-04-19	4 AM	NA	0	0	
12-04-19	5 AM	NA	0	0	
12-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
12-04-19	7 AM	NA	0	0	
12-04-19	8 AM	NA	0	0	
12-04-19	9 AM	NA	0	0	
12-04-19	10 AM	NA	0	0	
12-04-19	11 AM	NA	0	0	
12-04-19	12 PM	NA	0	0	
12-04-19	1 PM	NA	0	0	
12-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
12-04-19	3 PM	NA	0	0	
12-04-19	4 PM	NA	0	0	
12-04-19	5 PM	NA	0	0	
12-04-19	6 PM	NA	0	0	
12-04-19	7 PM	NA	0	0	
12-04-19	8 PM	NA	0	0	
12-04-19	9 PM	NA	0	0	

12-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
12-04-19	11 PM	NA	0	0	
13-04-19	12 AM	NA	0	0	
13-04-19	1 AM	NA	0	0	
13-04-19	2 AM	NA	0	0	
13-04-19	3 AM	NA	0	0	
13-04-19	4 AM	NA	0	0	
13-04-19	5 AM	NA	0	0	
13-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
13-04-19	7 AM	NA	0	0	
13-04-19	8 AM	NA	0	0	
13-04-19	9 AM	NA	0	0	
13-04-19	10 AM	NA	0	0	
13-04-19	11 AM	NA	0	0	
13-04-19	12 PM	NA	0	0	
13-04-19	1 PM	NA	0	0	
13-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
13-04-19	3 PM	NA	0	0	
13-04-19	4 PM	NA	0	0	
13-04-19	5 PM	NA	0	0	
13-04-19	6 PM	NA	0	0	
13-04-19	7 PM	NA	0	0	
13-04-19	8 PM	NA	0	0	
13-04-19	9 PM	NA	0	0	
13-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
13-04-19	11 PM	NA	0	0	
14-04-19	12 AM	NA	0	0	
14-04-19	1 AM	NA	0	0	

14-04-19	2 AM	NA	0	0	
14-04-19	3 AM	NA	0	0	
14-04-19	4 AM	NA	0	0	
14-04-19	5 AM	NA	0	0	
14-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
14-04-19	7 AM	NA	0	0	
14-04-19	8 AM	NA	0	0	
14-04-19	9 AM	NA	0	0	
14-04-19	10 AM	NA	0	0	
14-04-19	11 AM	NA	0	0	
14-04-19	12 PM	NA	0	0	
14-04-19	1 PM	NA	0	0	
14-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
14-04-19	3 PM	NA	0	0	
14-04-19	4 PM	NA	0	0	
14-04-19	5 PM	NA	0	0	
14-04-19	6 PM	NA	0	0	
14-04-19	7 PM	NA	0	20	
14-04-19	8 PM	NA	0	31	
14-04-19	9 PM	NA	0	137	
14-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
14-04-19	11 PM	NA	0	58	
15-04-19	12 AM	NA	0	20	
15-04-19	1 AM	NA	0	77	
15-04-19	2 AM	NA	0	31	
15-04-19	3 AM	NA	0	0	
15-04-19	4 AM	NA	0	147	
15-04-19	5 AM	NA	0	0	

15-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
15-04-19	7 AM	NA	0	195	
15-04-19	8 AM	NA	0	95	
15-04-19	9 AM	NA	0	0	
15-04-19	10 AM	NA	0	0	
15-04-19	11 AM	NA	0	0	
15-04-19	12 PM	NA	0	0	
15-04-19	1 PM	NA	0	0	
15-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
15-04-19	3 PM	NA	0	0	
15-04-19	4 PM	NA	0	0	
15-04-19	5 PM	NA	0	0	
15-04-19	6 PM	NA	0	0	
15-04-19	7 PM	NA	0	0	
15-04-19	8 PM	NA	0	0	
15-04-19	9 PM	NA	0	0	
15-04-19	10 PM	NA	26	0	Dust: scheduled system calibration data (not exceedance)
15-04-19	11 PM	NA	0	0	
16-04-19	12 AM	NA	0	0	
16-04-19	1 AM	NA	0	0	
16-04-19	2 AM	NA	0	0	
16-04-19	3 AM	NA	0	0	
16-04-19	4 AM	NA	0	0	
16-04-19	5 AM	NA	0	0	
16-04-19	6 AM	NA	26	0	Dust: scheduled system calibration data (not exceedance)
16-04-19	7 AM	NA	0	0	
16-04-19	8 AM	NA	0	0	
16-04-19	9 AM	NA	0	0	

16-04-19	10 AM	NA	0	0	
16-04-19	11 AM	NA	0	0	
16-04-19	12 PM	NA	0	0	
16-04-19	1 PM	NA	0	0	
16-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
16-04-19	3 PM	NA	0	0	
16-04-19	4 PM	NA	0	0	
16-04-19	5 PM	NA	0	0	
16-04-19	6 PM	NA	0	0	
16-04-19	7 PM	NA	0	0	
16-04-19	8 PM	NA	0	0	
16-04-19	9 PM	NA	0	0	
16-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
16-04-19	11 PM	NA	0	0	
17-04-19	12 AM	NA	0	0	
17-04-19	1 AM	NA	0	0	
17-04-19	2 AM	NA	0	0	
17-04-19	3 AM	NA	0	0	
17-04-19	4 AM	NA	0	0	
17-04-19	5 AM	NA	0	0	
17-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
17-04-19	7 AM	NA	0	0	
17-04-19	8 AM	NA	0	0	
17-04-19	9 AM	NA	0	0	
17-04-19	10 AM	NA	0	0	
17-04-19	11 AM	NA	0	0	
17-04-19	12 PM	NA	0	0	
17-04-19	1 PM	NA	0	0	

17-04-19	2 PM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
17-04-19	3 PM	NA	0	0	
17-04-19	4 PM	NA	0	0	
17-04-19	5 PM	NA	0	0	
17-04-19	6 PM	NA	0	0	
17-04-19	7 PM	NA	0	0	
17-04-19	8 PM	NA	0	0	
17-04-19	9 PM	NA	0	0	
17-04-19	10 PM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
17-04-19	11 PM	NA	0	0	
18-04-19	12 AM	NA	0	0	
18-04-19	1 AM	NA	0	0	
18-04-19	2 AM	NA	0	0	
18-04-19	3 AM	NA	0	0	
18-04-19	4 AM	NA	0	0	
18-04-19	5 AM	NA	0	0	
18-04-19	6 AM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
18-04-19	7 AM	NA	0	0	
18-04-19	8 AM	NA	0	0	
18-04-19	9 AM	NA	0	0	
18-04-19	10 AM	NA	0	0	
18-04-19	11 AM	NA	0	0	
18-04-19	12 PM	NA	0	0	
18-04-19	1 PM	NA	0	0	
18-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
18-04-19	3 PM	NA	0	0	
18-04-19	4 PM	NA	0	0	
18-04-19	5 PM	NA	0	0	

18-04-19	6 PM	NA	0	0	
18-04-19	7 PM	NA	0	0	
18-04-19	8 PM	NA	0	0	
18-04-19	9 PM	NA	0	0	
18-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
18-04-19	11 PM	NA	0	0	
19-04-19	12 AM	NA	0	0	
19-04-19	1 AM	NA	0	0	
19-04-19	2 AM	NA	0	0	
19-04-19	3 AM	NA	0	0	
19-04-19	4 AM	NA	0	0	
19-04-19	5 AM	NA	0	0	
19-04-19	6 AM	NA	13	5	Dust: scheduled system calibration data (not exceedance)
19-04-19	7 AM	NA	0	36	
19-04-19	8 AM	NA	0	120	
19-04-19	9 AM	NA	0	130	
19-04-19	10 AM	NA	0	79	
19-04-19	11 AM	NA	0	0	
19-04-19	12 PM	NA	0	0	
19-04-19	1 PM	NA	0	0	
19-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
19-04-19	3 PM	NA	0	0	
19-04-19	4 PM	NA	0	0	
19-04-19	5 PM	NA	0	0	
19-04-19	6 PM	NA	0	0	
19-04-19	7 PM	NA	0	0	
19-04-19	8 PM	NA	0	0	
19-04-19	9 PM	NA	0	0	

19-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
19-04-19	11 PM	NA	0	0	
20-04-19	12 AM	NA	0	0	
20-04-19	1 AM	NA	0	0	
20-04-19	2 AM	NA	0	0	
20-04-19	3 AM	NA	0	0	
20-04-19	4 AM	NA	0	0	
20-04-19	5 AM	NA	0	0	
20-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
20-04-19	7 AM	NA	0	0	
20-04-19	8 AM	NA	0	0	
20-04-19	9 AM	NA	0	0	
20-04-19	10 AM	NA	0	0	
20-04-19	11 AM	NA	0	0	
20-04-19	12 PM	NA	0	0	
20-04-19	1 PM	NA	0	0	
20-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
20-04-19	3 PM	NA	0	0	
20-04-19	4 PM	NA	0	0	
20-04-19	5 PM	NA	0	0	
20-04-19	6 PM	NA	0	0	
20-04-19	7 PM	NA	0	0	
20-04-19	8 PM	NA	0	0	
20-04-19	9 PM	NA	0	0	
20-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
20-04-19	11 PM	NA	0	0	
21-04-19	12 AM	NA	0	0	
21-04-19	1 AM	NA	0	0	

21-04-19	2 AM	NA	0	0	
21-04-19	3 AM	NA	0	0	
21-04-19	4 AM	NA	0	0	
21-04-19	5 AM	NA	0	0	
21-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
21-04-19	7 AM	NA	0	0	
21-04-19	8 AM	NA	0	0	
21-04-19	9 AM	NA	0	0	
21-04-19	10 AM	NA	0	0	
21-04-19	11 AM	NA	0	0	
21-04-19	12 PM	NA	0	0	
21-04-19	1 PM	NA	0	0	
21-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
21-04-19	3 PM	NA	0	0	
21-04-19	4 PM	NA	0	0	
21-04-19	5 PM	NA	0	0	
21-04-19	6 PM	NA	0	0	
21-04-19	7 PM	NA	0	0	
21-04-19	8 PM	NA	0	0	
21-04-19	9 PM	NA	0	0	
21-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
21-04-19	11 PM	NA	0	0	
22-04-19	12 AM	NA	0	0	
22-04-19	1 AM	NA	0	0	
22-04-19	2 AM	NA	0	0	
22-04-19	3 AM	NA	0	0	
22-04-19	4 AM	NA	0	0	
22-04-19	5 AM	NA	0	0	

22-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
22-04-19	7 AM	NA	0	0	
22-04-19	8 AM	NA	0	0	
22-04-19	9 AM	NA	0	0	
22-04-19	10 AM	NA	0	0	
22-04-19	11 AM	NA	0	0	
22-04-19	12 PM	NA	0	0	
22-04-19	1 PM	NA	0	0	
22-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
22-04-19	3 PM	NA	0	0	
22-04-19	4 PM	NA	0	0	
22-04-19	5 PM	NA	0	0	
22-04-19	6 PM	NA	0	0	
22-04-19	7 PM	NA	0	0	
22-04-19	8 PM	NA	0	0	
22-04-19	9 PM	NA	0	0	
22-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
22-04-19	11 PM	NA	0	0	
23-04-19	12 AM	NA	0	0	
23-04-19	1 AM	NA	0	0	
23-04-19	2 AM	NA	0	0	
23-04-19	3 AM	NA	0	0	
23-04-19	4 AM	NA	0	0	
23-04-19	5 AM	NA	0	0	
23-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
23-04-19	7 AM	NA	0	0	
23-04-19	8 AM	NA	0	0	
23-04-19	9 AM	NA	0	0	

23-04-19	10 AM	NA	0	0	
23-04-19	11 AM	NA	0	0	
23-04-19	12 PM	NA	0	0	
23-04-19	1 PM	NA	0	0	
23-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
23-04-19	3 PM	NA	0	0	
23-04-19	4 PM	NA	0	0	
23-04-19	5 PM	NA	0	0	
23-04-19	6 PM	NA	0	0	
23-04-19	7 PM	NA	0	0	
23-04-19	8 PM	NA	0	0	
23-04-19	9 PM	NA	0	0	
23-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
23-04-19	11 PM	NA	0	0	
24-04-19	12 AM	NA	0	0	
24-04-19	1 AM	NA	0	0	
24-04-19	2 AM	NA	0	0	
24-04-19	3 AM	NA	0	0	
24-04-19	4 AM	NA	0	0	
24-04-19	5 AM	NA	0	0	
24-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
24-04-19	7 AM	NA	0	0	
24-04-19	8 AM	NA	0	0	
24-04-19	9 AM	NA	0	0	
24-04-19	10 AM	NA	0	0	
24-04-19	11 AM	NA	0	0	
24-04-19	12 PM	NA	0	0	
24-04-19	1 PM	NA	0	0	

24-04-19	2 PM	NA	26	0	Dust: scheduled system calibration data (not exceedance)
24-04-19	3 PM	NA	0	0	
24-04-19	4 PM	NA	0	0	
24-04-19	5 PM	NA	0	0	
24-04-19	6 PM	NA	0	0	
24-04-19	7 PM	NA	0	0	
24-04-19	8 PM	NA	0	0	
24-04-19	9 PM	NA	0	0	
24-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
24-04-19	11 PM	NA	0	0	
25-04-19	12 AM	NA	0	1	
25-04-19	1 AM	NA	0	0	
25-04-19	2 AM	NA	0	0	
25-04-19	3 AM	NA	0	0	
25-04-19	4 AM	NA	0	0	
25-04-19	5 AM	NA	0	0	
25-04-19	6 AM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
25-04-19	7 AM	NA	0	105	
25-04-19	8 AM	NA	0	132	
25-04-19	9 AM	NA	0	2	
25-04-19	10 AM	NA	0	12	
25-04-19	11 AM	NA	0	106	
25-04-19	12 PM	NA	0	299	Odour: alkaline dosing system under urgent maintanance, chemical dosing was affected
25-04-19	1 PM	NA	0	19	
25-04-19	2 PM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
25-04-19	3 PM	NA	0	0	
25-04-19	4 PM	NA	0	0	

25-04-19	5 PM	NA	0	0	
25-04-19	6 PM	NA	0	0	
25-04-19	7 PM	NA	0	0	
25-04-19	8 PM	NA	0	0	
25-04-19	9 PM	NA	0	0	
25-04-19	10 PM	NA	9	0	Dust: scheduled system calibration data (not exceedance)
25-04-19	11 PM	NA	0	0	
26-04-19	12 AM	NA	0	0	
26-04-19	1 AM	NA	0	0	
26-04-19	2 AM	NA	0	0	
26-04-19	3 AM	NA	0	0	
26-04-19	4 AM	NA	0	0	
26-04-19	5 AM	NA	0	0	
26-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
26-04-19	7 AM	NA	0	0	
26-04-19	8 AM	NA	0	0	
26-04-19	9 AM	NA	0	0	
26-04-19	10 AM	NA	0	0	
26-04-19	11 AM	NA	0	0	
26-04-19	12 PM	NA	0	3	
26-04-19	1 PM	NA	0	2	
26-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
26-04-19	3 PM	NA	0	0	
26-04-19	4 PM	NA	0	0	
26-04-19	5 PM	NA	0	0	
26-04-19	6 PM	NA	0	0	
26-04-19	7 PM	NA	0	0	
26-04-19	8 PM	NA	0	0	
26-04-19	9 PM	NA	0	0	

26-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
26-04-19	11 PM	NA	0	0	
27-04-19	12 AM	NA	0	0	
27-04-19	1 AM	NA	0	0	
27-04-19	2 AM	NA	0	0	
27-04-19	3 AM	NA	0	0	
27-04-19	4 AM	NA	0	0	
27-04-19	5 AM	NA	0	0	
27-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
27-04-19	7 AM	NA	0	0	
27-04-19	8 AM	NA	0	0	
27-04-19	9 AM	NA	0	0	
27-04-19	10 AM	NA	0	0	
27-04-19	11 AM	NA	0	0	
27-04-19	12 PM	NA	0	0	
27-04-19	1 PM	NA	0	0	
27-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
27-04-19	3 PM	NA	0	0	
27-04-19	4 PM	NA	0	0	
27-04-19	5 PM	NA	0	0	
27-04-19	6 PM	NA	0	0	
27-04-19	7 PM	NA	0	0	
27-04-19	8 PM	NA	0	0	
27-04-19	9 PM	NA	0	0	
27-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
27-04-19	11 PM	NA	0	0	
28-04-19	12 AM	NA	0	0	
28-04-19	1 AM	NA	0	0	

28-04-19	2 AM	NA	0	0	
28-04-19	3 AM	NA	0	0	
28-04-19	4 AM	NA	0	0	
28-04-19	5 AM	NA	0	0	
28-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
28-04-19	7 AM	NA	0	0	
28-04-19	8 AM	NA	0	0	
28-04-19	9 AM	NA	0	0	
28-04-19	10 AM	NA	0	0	
28-04-19	11 AM	NA	0	0	
28-04-19	12 PM	NA	0	0	
28-04-19	1 PM	NA	0	0	
28-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
28-04-19	3 PM	NA	0	0	
28-04-19	4 PM	NA	0	0	
28-04-19	5 PM	NA	0	0	
28-04-19	6 PM	NA	0	0	
28-04-19	7 PM	NA	0	0	
28-04-19	8 PM	NA	0	73	
28-04-19	9 PM	NA	0	0	
28-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
28-04-19	11 PM	NA	0	0	
29-04-19	12 AM	NA	0	0	
29-04-19	1 AM	NA	0	0	
29-04-19	2 AM	NA	0	0	
29-04-19	3 AM	NA	0	0	
29-04-19	4 AM	NA	0	0	
29-04-19	5 AM	NA	0	0	

29-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
29-04-19	7 AM	NA	0	0	
29-04-19	8 AM	NA	0	0	
29-04-19	9 AM	NA	0	0	
29-04-19	10 AM	NA	0	0	
29-04-19	11 AM	NA	0	0	
29-04-19	12 PM	NA	0	0	
29-04-19	1 PM	NA	0	0	
29-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
29-04-19	3 PM	NA	0	0	
29-04-19	4 PM	NA	0	0	
29-04-19	5 PM	NA	0	0	
29-04-19	6 PM	NA	0	0	
29-04-19	7 PM	NA	0	0	
29-04-19	8 PM	NA	0	0	
29-04-19	9 PM	NA	0	0	
29-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
29-04-19	11 PM	NA	0	0	
30-04-19	12 AM	NA	0	0	
30-04-19	1 AM	NA	0	0	
30-04-19	2 AM	NA	0	0	
30-04-19	3 AM	NA	0	0	
30-04-19	4 AM	NA	0	0	
30-04-19	5 AM	NA	0	0	
30-04-19	6 AM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
30-04-19	7 AM	NA	0	0	
30-04-19	8 AM	NA	0	26	
30-04-19	9 AM	NA	0	21	

30-04-19	10 AM	NA	0	0	
30-04-19	11 AM	NA	0	0	
30-04-19	12 PM	NA	0	0	
30-04-19	1 PM	NA	0	0	
30-04-19	2 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
30-04-19	3 PM	NA	0	0	
30-04-19	4 PM	NA	0	0	
30-04-19	5 PM	NA	0	0	
30-04-19	6 PM	NA	0	0	
30-04-19	7 PM	NA	0	0	
30-04-19	8 PM	NA	0	0	
30-04-19	9 PM	NA	0	0	
30-04-19	10 PM	NA	13	0	Dust: scheduled system calibration data (not exceedance)
30-04-19	11 PM	NA	0	0	

Annex G7

Hourly Average of Parameters Measured in CHP 1

b	Hour	CHP 1 Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO_2	NMVOCs	VOC (including methane)	HCl	HF	
01-04-19	12 AM	-	-	-	-	-	-	-	-	
01-04-19	1 AM	-	-	-	-	-	-	-	-	
01-04-19	2 AM	-	-	-	-	-	-	-	-	
01-04-19	3 AM	-	-	-	-	-	-	-	-	
01-04-19	4 AM	-	-	-	-	-	-	-	-	
01-04-19	5 AM	-	-	-	-	-	-	-	-	
01-04-19	6 AM	-	-	-	-	-	-	-	-	
01-04-19	7 AM	-	-	-	-	-	-	-	-	
01-04-19	8 AM	-	-	-	-	-	-	-	-	
01-04-19	9 AM	-	-	-	-	-	-	-	-	
01-04-19	10 AM	-	-	-	-	-	-	-	-	
01-04-19	11 AM	-	-	-	-	-	-	-	-	
01-04-19	12 PM	-	-	-	-	-	-	-	-	
01-04-19	1 PM	-	-	-	-	-	-	-	-	
01-04-19	2 PM	-	-	-	-	-	-	-	-	
01-04-19	3 PM	-	-	-	-	-	-	-	-	
01-04-19	4 PM	-	-	-	-	-	-	-	-	
01-04-19	5 PM	0	138	109	13	NA	NA	0	0.0	
01-04-19	6 PM	0	170	121	10	NA	NA	0	0.0	
01-04-19	7 PM	0	224	138	11	NA	NA	0	0.0	
01-04-19	8 PM	0	153	89	6	NA	NA	0	0.0	
01-04-19	9 PM	0	128	80	5	NA	NA	0	0.0	
01-04-19	10 PM	0	193	108	8	NA	NA	0	0.0	
01-04-19	11 PM	0	131	81	6	NA	NA	0	0.0	
02-04-19	12 AM	0	115	69	4	NA	NA	0	0.0	

02-04-19	1 AM	0	395	219	30	NA	NA	0	0.0	
02-04-19	2 AM	0	423	233	37	NA	NA	0	0.0	
02-04-19	3 AM	0	439	233	41	NA	NA	0	0.0	
02-04-19	4 AM	0	422	229	33	NA	NA	0	0.0	
02-04-19	5 AM	0	417	236	30	NA	NA	0	0.0	
02-04-19	6 AM	0	421	251	27	NA	NA	0	0.0	
02-04-19	7 AM	0	439	261	25	NA	NA	0	0.0	
02-04-19	8 AM	0	341	206	19	NA	NA	0	0.0	
02-04-19	9 AM	0	404	240	26	NA	NA	0	0.0	
02-04-19	10 AM	0	127	79	3	NA	NA	0	0.0	
02-04-19	11 AM	0	83	56	4	NA	NA	0	0.0	
02-04-19	12 PM	-	-	-	-	-	-	-	-	
02-04-19	1 PM	-	-	-	-	-	-	-	-	
02-04-19	2 PM	-	-	-	-	-	-	-	-	
02-04-19	3 PM	-	-	-	-	-	-	-	-	
02-04-19	4 PM	-	-	-	-	-	-	-	-	
02-04-19	5 PM	-	-	-	-	-	-	-	-	
02-04-19	6 PM	-	-	-	-	-	-	-	-	
02-04-19	7 PM	-	-	-	-	-	-	-	-	
02-04-19	8 PM	-	-	-	-	-	-	-	-	
02-04-19	9 PM	-	-	-	-	-	-	-	-	
02-04-19	10 PM	-	-	-	-	-	-	-	-	
02-04-19	11 PM	-	-	-	-	-	-	-	-	
03-04-19	12 AM	-	-	-	-	-	-	-	-	
03-04-19	1 AM	-	-	-	-	-	-	-	-	
03-04-19	2 AM	-	-	-	-	-	-	-	-	
03-04-19	3 AM	-	-	-	-	-	-	-	-	
03-04-19	4 AM	-	-	-	-	-	-	-	-	
03-04-19	5 AM	-	-	-	-	-	-	-	-	

03-04-19	6 AM	-	-	-	-	-	-	-	-	
03-04-19	7 AM	-	-	-	-	-	-	-	-	
03-04-19	8 AM	-	-	-	-	-	-	-	-	
03-04-19	9 AM	-	-	-	-	-	-	-	-	
03-04-19	10 AM	-	-	-	-	-	-	-	-	
03-04-19	11 AM	-	-	-	-	-	-	-	-	
03-04-19	12 PM	-	-	-	-	-	-	-	-	
03-04-19	1 PM	-	-	-	-	-	-	-	-	
03-04-19	2 PM	-	-	-	-	-	-	-	-	
03-04-19	3 PM	-	-	-	-	-	-	-	-	
03-04-19	4 PM	-	-	-	-	-	-	-	-	
03-04-19	5 PM	-	-	-	-	-	-	-	-	
03-04-19	6 PM	-	-	-	-	-	-	-	-	
03-04-19	7 PM	-	-	-	-	-	-	-	-	
03-04-19	8 PM	-	-	-	-	-	-	-	-	
03-04-19	9 PM	-	-	-	-	-	-	-	-	
03-04-19	10 PM	-	-	-	-	-	-	-	-	
03-04-19	11 PM	-	-	-	-	-	-	-	-	
04-04-19	12 AM	-	-	-	-	-	-	-	-	
04-04-19	1 AM	-	-	-	-	-	-	-	-	
04-04-19	2 AM	-	-	-	-	-	-	-	-	
04-04-19	3 AM	-	-	-	-	-	-	-	-	
04-04-19	4 AM	-	-	-	-	-	-	-	-	
04-04-19	5 AM	-	-	-	-	-	-	-	-	
04-04-19	6 AM	-	-	-	-	-	-	-	-	
04-04-19	7 AM	-	-	-	-	-	-	-	-	
04-04-19	8 AM	-	-	-	-	-	-	-	-	
04-04-19	9 AM	-	-	-	-	-	-	-	-	
04-04-19	10 AM	-	-	-	-	-	-	-	-	

04-04-19	11 AM	-	-	-	-	-	-	-	-	
04-04-19	12 PM	-	-	-	-	-	-	-	-	
04-04-19	1 PM	-	-	-	-	-	-	-	-	
04-04-19	2 PM	-	-	-	-	-	-	-	-	
04-04-19	3 PM	-	-	-	-	-	-	-	-	
04-04-19	4 PM	-	-	-	-	-	-	-	-	
04-04-19	5 PM	-	-	-	-	-	-	-	-	
04-04-19	6 PM	-	-	-	-	-	-	-	-	
04-04-19	7 PM	0	129	101	2	NA	NA	0	0.0	
04-04-19	8 PM	0	251	164	9	NA	NA	0	0.0	
04-04-19	9 PM	0	143	107	4	NA	NA	0	0.0	
04-04-19	10 PM	0	129	87	2	NA	NA	0	0.0	
04-04-19	11 PM	0	150	111	3	NA	NA	0	0.0	
05-04-19	12 AM	0	259	127	8	NA	NA	0	0.0	
05-04-19	1 AM	0	122	89	2	NA	NA	0	0.0	
05-04-19	2 AM	0	132	87	2	NA	NA	0	0.0	
05-04-19	3 AM	0	153	107	4	NA	NA	0	0.0	
05-04-19	4 AM	0	122	86	2	NA	NA	0	0.0	
05-04-19	5 AM	0	132	84	2	NA	NA	0	0.0	
05-04-19	6 AM	0	151	103	5	NA	NA	0	0.0	
05-04-19	7 AM	0	119	81	2	NA	NA	0	0.0	
05-04-19	8 AM	0	130	80	3	NA	NA	0	0.0	
05-04-19	9 AM	0	154	101	6	NA	NA	0	0.0	
05-04-19	10 AM	0	387	207	23	NA	NA	0	0.0	
05-04-19	11 AM	0	147	90	8	NA	NA	0	0.0	
05-04-19	12 PM	0	345	192	19	NA	NA	0	0.0	
05-04-19	1 PM	0	428	234	24	NA	NA	0	0.0	
05-04-19	2 PM	0	424	226	25	NA	NA	0	0.0	
05-04-19	3 PM	0	418	215	27	NA	NA	0	0.0	

05-04-19	4 PM	0	387	186	25	NA	NA	0	0.0	
05-04-19	5 PM	0	278	105	16	NA	NA	0	0.0	
05-04-19	6 PM	0	403	185	30	NA	NA	0	0.0	
05-04-19	7 PM	0	393	174	27	NA	NA	0	0.0	
05-04-19	8 PM	0	388	168	25	NA	NA	0	0.0	
05-04-19	9 PM	0	391	169	24	NA	NA	0	0.0	
05-04-19	10 PM	0	398	174	24	NA	NA	0	0.0	
05-04-19	11 PM	0	403	175	24	NA	NA	0	0.0	
06-04-19	12 AM	0	389	165	25	NA	NA	0	0.0	
06-04-19	1 AM	0	397	171	25	NA	NA	0	0.0	
06-04-19	2 AM	0	399	175	26	NA	NA	0	0.0	
06-04-19	3 AM	0	394	180	26	NA	NA	0	0.0	
06-04-19	4 AM	0	405	203	47	NA	NA	0	0.0	
06-04-19	5 AM	0	414	216	35	NA	NA	0	0.0	
06-04-19	6 AM	0	412	216	27	NA	NA	0	0.0	
06-04-19	7 AM	0	414	225	25	NA	NA	0	0.0	
06-04-19	8 AM	0	415	228	24	NA	NA	0	0.0	
06-04-19	9 AM	0	422	252	23	NA	NA	0	0.0	
06-04-19	10 AM	0	430	262	22	NA	NA	0	0.0	
06-04-19	11 AM	0	442	270	22	NA	NA	0	0.0	
06-04-19	12 PM	0	440	268	22	NA	NA	0	0.0	
06-04-19	1 PM	0	434	266	22	NA	NA	0	0.0	
06-04-19	2 PM	0	433	268	21	NA	NA	0	0.0	
06-04-19	3 PM	0	434	269	20	NA	NA	0	0.0	
06-04-19	4 PM	0	439	272	19	NA	NA	0	0.0	
06-04-19	5 PM	0	439	259	21	NA	NA	0	0.0	
06-04-19	6 PM	0	439	249	23	NA	NA	0	0.0	
06-04-19	7 PM	0	484	248	22	NA	NA	0	0.0	
06-04-19	8 PM	0	389	197	16	NA	NA	0	0.0	

06-04-19	9 PM	0	443	222	24	NA	NA	0	0.0	
06-04-19	10 PM	0	354	139	19	NA	NA	0	0.0	
06-04-19	11 PM	0	480	155	31	NA	NA	0	0.0	
07-04-19	12 AM	0	458	149	31	NA	NA	0	0.0	
07-04-19	1 AM	0	480	145	33	NA	NA	0	0.0	
07-04-19	2 AM	0	472	174	30	NA	NA	0	0.0	
07-04-19	3 AM	0	478	272	29	NA	NA	0	0.0	
07-04-19	4 AM	0	504	270	28	NA	NA	0	0.0	
07-04-19	5 AM	0	276	148	12	NA	NA	0	0.0	
07-04-19	6 AM	0	476	257	23	NA	NA	0	0.0	
07-04-19	7 AM	0	299	147	12	NA	NA	0	0.0	
07-04-19	8 AM	0	496	273	23	NA	NA	0	0.0	
07-04-19	9 AM	0	441	268	20	NA	NA	0	0.0	
07-04-19	10 AM	0	468	268	25	NA	NA	0	0.0	
07-04-19	11 AM	0	408	224	21	NA	NA	0	0.0	
07-04-19	12 PM	0	462	268	26	NA	NA	0	0.0	
07-04-19	1 PM	0	453	269	23	NA	NA	0	0.0	
07-04-19	2 PM	0	471	279	22	NA	NA	0	0.0	
07-04-19	3 PM	0	468	269	21	NA	NA	0	0.0	
07-04-19	4 PM	0	459	259	23	NA	NA	0	0.0	
07-04-19	5 PM	0	451	258	24	NA	NA	0	0.0	
07-04-19	6 PM	0	449	258	24	NA	NA	0	0.0	
07-04-19	7 PM	0	447	252	25	NA	NA	0	0.0	
07-04-19	8 PM	0	447	248	26	NA	NA	0	0.0	
07-04-19	9 PM	0	435	244	27	NA	NA	0	0.0	
07-04-19	10 PM	0	491	257	30	NA	NA	0	0.0	
07-04-19	11 PM	0	387	210	23	NA	NA	0	0.0	
08-04-19	12 AM	0	439	252	50	NA	NA	0	0.0	

08-04-19	1 AM	0	474	279	101	NA	NA	0	0.0	Desulphurisation column tripped
08-04-19	2 AM	0	414	224	76	NA	NA	0	0.0	Desulphurisation column tripped
08-04-19	3 AM	0	70	44	7	NA	NA	0	0.0	
08-04-19	4 AM	-	-	-	-	-	-	-	-	
08-04-19	5 AM	0	55	49	0	NA	NA	0	0.0	
08-04-19	6 AM	0	336	198	15	NA	NA	0	0.0	
08-04-19	7 AM	0	510	283	23	NA	NA	0	0.0	
08-04-19	8 AM	0	507	283	23	NA	NA	0	0.0	
08-04-19	9 AM	0	211	124	7	NA	NA	0	0.0	
08-04-19	10 AM	-	-	-	-	-	-	-	-	
08-04-19	11 AM	-	-	-	-	-	-	-	-	
08-04-19	12 PM	-	-	-	-	-	-	-	-	
08-04-19	1 PM	-	-	-	-	-	-	-	-	
08-04-19	2 PM	0	0	0	0	NA	NA	0	0.0	
08-04-19	3 PM	-	-	-	-	-	-	-	-	
08-04-19	4 PM	1	0	0	0	NA	NA	0	0.0	
08-04-19	5 PM	-	-	-	-	-	-	-	-	
08-04-19	6 PM	-	-	-	-	-	-	-	-	
08-04-19	7 PM	-	-	-	-	-	-	-	-	
08-04-19	8 PM	-	-	-	-	-	-	-	-	
08-04-19	9 PM	-	-	-	-	-	-	-	-	
08-04-19	10 PM	-	-	-	-	-	-	-	-	
08-04-19	11 PM	-	-	-	-	-	-	-	-	
09-04-19	12 AM	-	-	-	-	-	-	-	-	
09-04-19	1 AM	-	-	-	-	-	-	-	-	
09-04-19	2 AM	-	-	-	-	-	-	-	-	
09-04-19	3 AM	-	-	-	-	-	-	-	-	

09-04-19	4 AM	-	-	-	-	-	-	-	-	
09-04-19	5 AM	-	-	-	-	-	-	-	-	
09-04-19	6 AM	-	-	-	-	-	-	-	-	
09-04-19	7 AM	-	-	-	-	-	-	-	-	
09-04-19	8 AM	-	-	-	-	-	-	-	-	
09-04-19	9 AM	-	-	-	-	-	-	-	-	
09-04-19	10 AM	-	-	-	-	-	-	-	-	
09-04-19	11 AM	-	-	-	-	-	-	-	-	
09-04-19	12 PM	-	-	-	-	-	-	-	-	
09-04-19	1 PM	-	-	-	-	-	-	-	-	
09-04-19	2 PM	-	-	-	-	-	-	-	-	
09-04-19	3 PM	-	-	-	-	-	-	-	-	
09-04-19	4 PM	-	-	-	-	-	-	-	-	
09-04-19	5 PM	-	-	-	-	-	-	-	-	
09-04-19	6 PM	-	-	-	-	-	-	-	-	
09-04-19	7 PM	-	-	-	-	-	-	-	-	
09-04-19	8 PM	0	438	305	24	NA	NA	0	0.0	Startup of CHP
09-04-19	9 PM	0	398	180	19	NA	NA	0	0.0	
09-04-19	10 PM	0	507	211	26	NA	NA	0	0.0	
09-04-19	11 PM	0	502	220	27	NA	NA	0	0.0	
10-04-19	12 AM	0	453	258	27	NA	NA	0	0.0	
10-04-19	1 AM	0	486	276	28	NA	NA	0	0.0	
10-04-19	2 AM	0	492	275	33	NA	NA	0	0.0	
10-04-19	3 AM	0	498	279	76	NA	NA	0	0.0	Desulphurisation column tripped
10-04-19	4 AM	0	515	286	104	NA	NA	0	0.0	Desulphurisation column tripped
10-04-19	5 AM	0	516	286	42	NA	NA	0	0.0	
10-04-19	6 AM	0	520	288	31	NA	NA	0	0.0	

10-04-19	7 AM	0	308	185	16	NA	NA	0	0.0	
10-04-19	8 AM	0	504	289	24	NA	NA	0	0.0	
10-04-19	9 AM	0	323	202	15	NA	NA	0	0.0	
10-04-19	10 AM	0	501	291	23	NA	NA	0	0.0	
10-04-19	11 AM	0	259	186	24	NA	NA	1	0.0	
10-04-19	12 PM	2	0	0	0	NA	NA	0	0.0	
10-04-19	1 PM	-	-	-	-	-	-	-	-	
10-04-19	2 PM	-	-	-	-	-	-	-	-	
10-04-19	3 PM	-	-	-	-	-	-	-	-	
10-04-19	4 PM	0	485	311	28	NA	NA	0	0.0	Startup of CHP
10-04-19	5 PM	0	516	279	25	NA	NA	0	0.0	
10-04-19	6 PM	0	378	211	19	NA	NA	0	0.0	
10-04-19	7 PM	0	481	271	25	NA	NA	0	0.0	
10-04-19	8 PM	0	487	278	24	NA	NA	0	0.0	
10-04-19	9 PM	0	443	261	26	NA	NA	0	0.0	
10-04-19	10 PM	0	475	271	27	NA	NA	0	0.0	
10-04-19	11 PM	0	446	264	28	NA	NA	0	0.0	
11-04-19	12 AM	0	452	268	30	NA	NA	0	0.0	
11-04-19	1 AM	0	476	283	30	NA	NA	0	0.0	
11-04-19	2 AM	0	482	284	31	NA	NA	0	0.0	
11-04-19	3 AM	0	493	281	33	NA	NA	0	0.0	
11-04-19	4 AM	0	476	282	32	NA	NA	0	0.0	
11-04-19	5 AM	0	478	282	30	NA	NA	0	0.0	
11-04-19	6 AM	0	472	282	28	NA	NA	0	0.0	
11-04-19	7 AM	0	477	285	27	NA	NA	0	0.0	
11-04-19	8 AM	0	472	287	25	NA	NA	0	0.0	
11-04-19	9 AM	0	476	288	25	NA	NA	0	0.0	
11-04-19	10 AM	0	484	290	25	NA	NA	0	0.0	
11-04-19	11 AM	0	483	285	26	NA	NA	0	0.0	

11-04-19	12 PM	0	477	279	28	NA	NA	0	0.0	
11-04-19	1 PM	0	470	280	60	NA	NA	0	0.0	Desulphurisation column tripped
11-04-19	2 PM	0	490	285	71	NA	NA	0	0.0	Desulphurisation column tripped
11-04-19	3 PM	0	476	281	39	NA	NA	0	0.0	
11-04-19	4 PM	0	472	273	33	NA	NA	0	0.0	
11-04-19	5 PM	0	468	271	33	NA	NA	0	0.0	
11-04-19	6 PM	0	464	271	32	NA	NA	0	0.0	
11-04-19	7 PM	0	462	271	32	NA	NA	0	0.0	
11-04-19	8 PM	0	461	270	32	NA	NA	0	0.0	
11-04-19	9 PM	0	453	259	32	NA	NA	0	0.0	
11-04-19	10 PM	0	445	229	33	NA	NA	0	0.0	
11-04-19	11 PM	0	446	226	33	NA	NA	0	0.0	
12-04-19	12 AM	0	448	223	36	NA	NA	0	0.0	
12-04-19	1 AM	0	450	234	39	NA	NA	0	0.0	
12-04-19	2 AM	0	458	253	62	NA	NA	0	0.0	Desulphurisation column tripped
12-04-19	3 AM	0	448	242	44	NA	NA	0	0.0	
12-04-19	4 AM	0	443	247	33	NA	NA	0	0.0	
12-04-19	5 AM	0	445	255	27	NA	NA	0	0.0	
12-04-19	6 AM	0	448	266	27	NA	NA	0	0.0	
12-04-19	7 AM	0	443	259	26	NA	NA	0	0.0	
12-04-19	8 AM	0	446	262	25	NA	NA	0	0.0	
12-04-19	9 AM	0	442	256	25	NA	NA	0	0.0	
12-04-19	10 AM	0	440	250	25	NA	NA	0	0.0	
12-04-19	11 AM	0	439	250	23	NA	NA	0	0.0	
12-04-19	12 PM	0	471	298	24	NA	NA	0	0.0	
12-04-19	1 PM	0	340	178	10	NA	NA	0	0.0	
12-04-19	2 PM	-	-	-	-	-	-	-	-	

12-04-19	3 PM	-	-	-	-	-	-	-	-	
12-04-19	4 PM	-	-	-	-	-	-	-	-	
12-04-19	5 PM	-	-	-	-	-	-	-	-	
12-04-19	6 PM	-	-	-	-	-	-	-	-	
12-04-19	7 PM	-	-	-	-	-	-	-	-	
12-04-19	8 PM	-	-	-	-	-	-	-	-	
12-04-19	9 PM	-	-	-	-	-	-	-	-	
12-04-19	10 PM	-	-	-	-	-	-	-	-	
12-04-19	11 PM	0	243	167	10	NA	NA	0	0.0	
13-04-19	12 AM	0	466	288	19	NA	NA	0	0.0	
13-04-19	1 AM	-	-	-	-	-	-	-	-	
13-04-19	2 AM	-	-	-	-	-	-	-	-	
13-04-19	3 AM	-	-	-	-	-	-	-	-	
13-04-19	4 AM	-	-	-	-	-	-	-	-	
13-04-19	5 AM	-	-	-	-	-	-	-	-	
13-04-19	6 AM	-	-	-	-	-	-	-	-	
13-04-19	7 AM	-	-	-	-	-	-	-	-	
13-04-19	8 AM	-	-	-	-	-	-	-	-	
13-04-19	9 AM	-	-	-	-	-	-	-	-	
13-04-19	10 AM	-	-	-	-	-	-	-	-	
13-04-19	11 AM	-	-	-	-	-	-	-	-	
13-04-19	12 PM	-	-	-	-	-	-	-	-	
13-04-19	1 PM	1	221	109	3	NA	NA	0	0.0	
13-04-19	2 PM	-	-	-	-	-	-	-	-	
13-04-19	3 PM	-	-	-	-	-	-	-	-	
13-04-19	4 PM	-	-	-	-	-	-	-	-	
13-04-19	5 PM	-	-	-	-	-	-	-	-	
13-04-19	6 PM	-	-	-	-	-	-	-	-	
13-04-19	7 PM	-	-	-	-	-	-	-	-	

13-04-19	8 PM	-	-	-	-	-	-	-	-	
13-04-19	9 PM	-	-	-	-	-	-	-	-	
13-04-19	10 PM	-	-	-	-	-	-	-	-	
13-04-19	11 PM	-	-	-	-	-	-	-	-	
14-04-19	12 AM	-	-	-	-	-	-	-	-	
14-04-19	1 AM	1	502	319	25	NA	NA	0	0.0	Startup of CHP
14-04-19	2 AM	0	485	286	31	NA	NA	0	0.0	
14-04-19	3 AM	0	447	259	28	NA	NA	0	0.0	
14-04-19	4 AM	0	449	257	26	NA	NA	0	0.0	
14-04-19	5 AM	0	449	248	32	NA	NA	0	0.0	
14-04-19	6 AM	0	451	246	34	NA	NA	0	0.0	
14-04-19	7 AM	0	225	122	18	NA	NA	0	0.0	
14-04-19	8 AM	-	-	-	-	-	-	-	-	
14-04-19	9 AM	-	-	-	-	-	-	-	-	
14-04-19	10 AM	-	-	-	-	-	-	-	-	
14-04-19	11 AM	0	262	167	14	NA	NA	0	0.0	
14-04-19	12 PM	0	512	300	73	NA	NA	0	0.0	Desulphurisation column tripped
14-04-19	1 PM	0	466	274	67	NA	NA	0	0.0	Desulphurisation column tripped
14-04-19	2 PM	0	457	260	44	NA	NA	0	0.0	
14-04-19	3 PM	0	472	288	26	NA	NA	0	0.0	
14-04-19	4 PM	0	442	239	25	NA	NA	0	0.0	
14-04-19	5 PM	0	486	293	21	NA	NA	0	0.0	
14-04-19	6 PM	1	480	313	19	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
14-04-19	7 PM	0	473	280	21	NA	NA	0	0.0	

14-04-19	8 PM	0	448	268	25	NA	NA	0	0.0	
14-04-19	9 PM	0	453	272	25	NA	NA	0	0.0	
14-04-19	10 PM	0	457	270	28	NA	NA	0	0.0	
14-04-19	11 PM	0	478	278	30	NA	NA	0	0.0	
15-04-19	12 AM	0	472	277	33	NA	NA	0	0.0	
15-04-19	1 AM	0	461	263	37	NA	NA	0	0.0	
15-04-19	2 AM	0	457	260	34	NA	NA	0	0.0	
15-04-19	3 AM	0	457	258	34	NA	NA	0	0.0	
15-04-19	4 AM	0	453	255	34	NA	NA	0	0.0	
15-04-19	5 AM	0	459	261	35	NA	NA	0	0.0	
15-04-19	6 AM	0	456	259	34	NA	NA	0	0.0	
15-04-19	7 AM	0	459	262	31	NA	NA	0	0.0	
15-04-19	8 AM	0	459	267	29	NA	NA	0	0.0	
15-04-19	9 AM	0	454	264	28	NA	NA	0	0.0	
15-04-19	10 AM	0	456	266	54	NA	NA	0	0.0	Desulphurisation column tripped
15-04-19	11 AM	0	470	282	84	NA	NA	0	0.0	Desulphurisation column tripped
15-04-19	12 PM	0	474	287	44	NA	NA	0	0.0	
15-04-19	1 PM	0	471	287	27	NA	NA	0	0.0	
15-04-19	2 PM	0	470	286	23	NA	NA	0	0.0	
15-04-19	3 PM	-	-	-	-	-	-	-	-	
15-04-19	4 PM	-	-	-	-	-	-	-	-	
15-04-19	5 PM	-	-	-	-	-	-	-	-	
15-04-19	6 PM	-	-	-	-	-	-	-	-	
15-04-19	7 PM	-	-	-	-	-	-	-	-	
15-04-19	8 PM	-	-	-	-	-	-	-	-	
15-04-19	9 PM	-	-	-	-	-	-	-	-	
15-04-19	10 PM	-	-	-	-	-	-	-	-	

15-04-19	11 PM	-	-	-	-	-	-	-	-	
16-04-19	12 AM	-	-	-	-	-	-	-	-	
16-04-19	1 AM	-	-	-	-	-	-	-	-	
16-04-19	2 AM	-	-	-	-	-	-	-	-	
16-04-19	3 AM	-	-	-	-	-	-	-	-	
16-04-19	4 AM	-	-	-	-	-	-	-	-	
16-04-19	5 AM	-	-	-	-	-	-	-	-	
16-04-19	6 AM	-	-	-	-	-	-	-	-	
16-04-19	7 AM	-	-	-	-	-	-	-	-	
16-04-19	8 AM	-	-	-	-	-	-	-	-	
16-04-19	9 AM	-	-	-	-	-	-	-	-	
16-04-19	10 AM	-	-	-	-	-	-	-	-	
16-04-19	11 AM	-	-	-	-	-	-	-	-	
16-04-19	12 PM	-	-	-	-	-	-	-	-	
16-04-19	1 PM	-	-	-	-	-	-	-	-	
16-04-19	2 PM	-	-	-	-	-	-	-	-	
16-04-19	3 PM	-	-	-	-	-	-	-	-	
16-04-19	4 PM	-	-	-	-	-	-	-	-	
16-04-19	5 PM	-	-	-	-	-	-	-	-	
16-04-19	6 PM	-	-	-	-	-	-	-	-	
16-04-19	7 PM	-	-	-	-	-	-	-	-	
16-04-19	8 PM	-	-	-	-	-	-	-	-	
16-04-19	9 PM	-	-	-	-	-	-	-	-	
16-04-19	10 PM	-	-	-	-	-	-	-	-	
16-04-19	11 PM	-	-	-	-	-	-	-	-	
17-04-19	12 AM	-	-	-	-	-	-	-	-	
17-04-19	1 AM	-	-	-	-	-	-	-	-	
17-04-19	2 AM	-	-	-	-	-	-	-	-	
17-04-19	3 AM	-	-	-	-	-	-	-	-	

17-04-19	4 AM	-	-	-	-	-	-	-	-	
17-04-19	5 AM	-	-	-	-	-	-	-	-	
17-04-19	6 AM	-	-	-	-	-	-	-	-	
17-04-19	7 AM	-	-	-	-	-	-	-	-	
17-04-19	8 AM	-	-	-	-	-	-	-	-	
17-04-19	9 AM	-	-	-	-	-	-	-	-	
17-04-19	10 AM	-	-	-	-	-	-	-	-	
17-04-19	11 AM	-	-	-	-	-	-	-	-	
17-04-19	12 PM	-	-	-	-	-	-	-	-	
17-04-19	1 PM	-	-	-	-	-	-	-	-	
17-04-19	2 PM	1	0	0	0	NA	NA	0	0.0	
17-04-19	3 PM	0	0	0	0	NA	NA	0	0.0	
17-04-19	4 PM	0	35	11	5	NA	NA	0	0.0	
17-04-19	5 PM	1	50	42	16	NA	NA	0	0.5	
17-04-19	6 PM	-	-	-	-	-	-	-	-	
17-04-19	7 PM	0	0	0	0	NA	NA	0	0.0	
17-04-19	8 PM	-	-	-	-	-	-	-	-	
17-04-19	9 PM	-	-	-	-	-	-	-	-	
17-04-19	10 PM	-	-	-	-	-	-	-	-	
17-04-19	11 PM	-	-	-	-	-	-	-	-	
18-04-19	12 AM	-	-	-	-	-	-	-	-	
18-04-19	1 AM	-	-	-	-	-	-	-	-	
18-04-19	2 AM	-	-	-	-	-	-	-	-	
18-04-19	3 AM	-	-	-	-	-	-	-	-	
18-04-19	4 AM	-	-	-	-	-	-	-	-	
18-04-19	5 AM	-	-	-	-	-	-	-	-	
18-04-19	6 AM	-	-	-	-	-	-	-	-	
18-04-19	7 AM	0	0	0	0	NA	NA	0	0.0	
18-04-19	8 AM	-	-	-	-	-	-	-	-	

18-04-19	9 AM	0	20	12	0	NA	NA	0	0.0	
18-04-19	10 AM	-	-	-	-	-	-	-	-	
18-04-19	11 AM	-	-	-	-	-	-	-	-	
18-04-19	12 PM	0	457	267	23	NA	NA	0	0.0	
18-04-19	1 PM	0	466	271	24	NA	NA	0	0.0	
18-04-19	2 PM	-	-	-	-	-	-	-	-	
18-04-19	3 PM	0	209	114	49	NA	NA	0	0.0	
18-04-19	4 PM	0	479	270	130	NA	NA	0	0.0	Desulphurisation column tripped
18-04-19	5 PM	0	510	284	83	NA	NA	0	0.0	Desulphurisation column tripped
18-04-19	6 PM	0	347	187	29	NA	NA	0	0.0	
18-04-19	7 PM	0	479	251	26	NA	NA	0	0.0	
18-04-19	8 PM	0	357	192	17	NA	NA	0	0.0	
18-04-19	9 PM	0	473	247	23	NA	NA	0	0.0	
18-04-19	10 PM	0	508	287	25	NA	NA	0	0.0	
18-04-19	11 PM	0	462	266	25	NA	NA	0	0.0	
19-04-19	12 AM	0	465	264	24	NA	NA	0	0.0	
19-04-19	1 AM	0	485	283	24	NA	NA	0	0.0	
19-04-19	2 AM	0	534	297	24	NA	NA	0	0.0	
19-04-19	3 AM	0	321	180	12	NA	NA	0	0.0	
19-04-19	4 AM	0	479	271	20	NA	NA	0	0.0	
19-04-19	5 AM	0	242	144	7	NA	NA	0	0.0	
19-04-19	6 AM	0	133	84	2	NA	NA	0	0.0	
19-04-19	7 AM	0	254	143	10	NA	NA	0	0.0	
19-04-19	8 AM	0	136	89	2	NA	NA	0	0.0	
19-04-19	9 AM	0	376	224	13	NA	NA	0	0.0	
19-04-19	10 AM	0	256	159	8	NA	NA	0	0.0	
19-04-19	11 AM	0	483	289	18	NA	NA	0	0.0	

19-04-19	12 PM	0	480	285	18	NA	NA	0	0.0	
19-04-19	1 PM	0	480	290	45	NA	NA	0	0.0	
19-04-19	2 PM	0	488	295	137	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	3 PM	0	319	193	109	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	4 PM	0	436	247	133	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	5 PM	0	501	290	163	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	6 PM	0	501	290	167	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	7 PM	0	490	275	174	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	8 PM	0	508	285	184	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	9 PM	0	478	272	163	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	10 PM	0	482	277	98	NA	NA	0	0.0	Desulphurisation column tripped
19-04-19	11 PM	0	500	282	56	NA	NA	0	0.0	Desulphurisation column tripped
20-04-19	12 AM	0	498	277	41	NA	NA	0	0.0	
20-04-19	1 AM	0	469	260	40	NA	NA	0	0.0	
20-04-19	2 AM	0	373	197	27	NA	NA	0	0.0	
20-04-19	3 AM	0	238	134	10	NA	NA	0	0.0	
20-04-19	4 AM	0	274	149	12	NA	NA	0	0.0	
20-04-19	5 AM	0	149	89	4	NA	NA	0	0.0	
20-04-19	6 AM	0	144	92	3	NA	NA	0	0.0	
20-04-19	7 AM	0	134	85	1	NA	NA	0	0.0	
20-04-19	8 AM	0	150	95	2	NA	NA	0	0.0	

20-04-19	9 AM	0	343	208	12	NA	NA	0	0.0	
20-04-19	10 AM	0	477	288	28	NA	NA	0	0.0	
20-04-19	11 AM	0	477	286	132	NA	NA	0	0.0	Desulphurisation column tripped
20-04-19	12 PM	0	150	93	20	NA	NA	0	0.0	
20-04-19	1 PM	0	163	109	6	NA	NA	0	0.0	
20-04-19	2 PM	0	130	90	2	NA	NA	0	0.0	
20-04-19	3 PM	0	143	89	3	NA	NA	0	0.0	
20-04-19	4 PM	0	162	108	3	NA	NA	0	0.0	
20-04-19	5 PM	0	127	83	3	NA	NA	0	0.0	
20-04-19	6 PM	0	139	81	4	NA	NA	0	0.0	
20-04-19	7 PM	0	253	148	13	NA	NA	0	0.0	
20-04-19	8 PM	0	353	194	24	NA	NA	0	0.0	
20-04-19	9 PM	0	363	199	20	NA	NA	0	0.0	
20-04-19	10 PM	0	400	214	20	NA	NA	0	0.0	
20-04-19	11 PM	0	510	285	26	NA	NA	0	0.0	
21-04-19	12 AM	0	492	288	22	NA	NA	0	0.0	
21-04-19	1 AM	0	523	294	22	NA	NA	0	0.0	
21-04-19	2 AM	0	492	268	26	NA	NA	0	0.0	
21-04-19	3 AM	0	488	273	26	NA	NA	0	0.0	
21-04-19	4 AM	0	461	264	24	NA	NA	0	0.0	
21-04-19	5 AM	0	467	270	24	NA	NA	0	0.0	
21-04-19	6 AM	0	478	280	23	NA	NA	0	0.0	
21-04-19	7 AM	0	515	296	24	NA	NA	0	0.0	
21-04-19	8 AM	0	476	280	23	NA	NA	0	0.0	
21-04-19	9 AM	0	516	302	22	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May

21-04-19	10 AM	0	462	274	22	NA	NA	0	0.0	
21-04-19	11 AM	0	455	266	23	NA	NA	0	0.0	
21-04-19	12 PM	0	463	277	22	NA	NA	0	0.0	
21-04-19	1 PM	0	473	292	20	NA	NA	0	0.0	
21-04-19	2 PM	0	486	298	20	NA	NA	0	0.0	
21-04-19	3 PM	0	506	308	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
21-04-19	4 PM	0	369	230	13	NA	NA	0	0.0	
21-04-19	5 PM	0	366	226	47	NA	NA	0	0.0	
21-04-19	6 PM	0	335	205	34	NA	NA	0	0.0	
21-04-19	7 PM	0	427	268	20	NA	NA	0	0.0	
21-04-19	8 PM	0	511	311	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
21-04-19	9 PM	0	363	227	13	NA	NA	0	0.0	
21-04-19	10 PM	0	411	249	14	NA	NA	0	0.0	
21-04-19	11 PM	0	346	216	12	NA	NA	0	0.0	
22-04-19	12 AM	0	516	311	19	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
22-04-19	1 AM	0	518	311	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-

										adjust the setting in May
22-04-19	2 AM	0	519	309	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
22-04-19	3 AM	0	488	297	18	NA	NA	0	0.0	
22-04-19	4 AM	0	477	295	17	NA	NA	0	0.0	
22-04-19	5 AM	0	466	285	18	NA	NA	0	0.0	
22-04-19	6 AM	-	-	-	-	-	-	-	-	
22-04-19	7 AM	-	-	-	-	-	-	-	-	
22-04-19	8 AM	-	-	-	-	-	-	-	-	
22-04-19	9 AM	-	-	-	-	-	-	-	-	
22-04-19	10 AM	-	-	-	-	-	-	-	-	
22-04-19	11 AM	-	-	-	-	-	-	-	-	
22-04-19	12 PM	-	-	-	-	-	-	-	-	
22-04-19	1 PM	3	0	0	0	NA	NA	0	0.0	
22-04-19	2 PM	-	-	-	-	-	-	-	-	
22-04-19	3 PM	-	-	-	-	-	-	-	-	
22-04-19	4 PM	-	-	-	-	-	-	-	-	
22-04-19	5 PM	-	-	-	-	-	-	-	-	
22-04-19	6 PM	-	-	-	-	-	-	-	-	
22-04-19	7 PM	-	-	-	-	-	-	-	-	
22-04-19	8 PM	-	-	-	-	-	-	-	-	
22-04-19	9 PM	-	-	-	-	-	-	-	-	
22-04-19	10 PM	-	-	-	-	-	-	-	-	
22-04-19	11 PM	-	-	-	-	-	-	-	-	
23-04-19	12 AM	-	-	-	-	-	-	-	-	
23-04-19	1 AM	0	434	303	14	NA	NA	0	0.0	Startup of CHP

23-04-19	2 AM	0	529	297	18	NA	NA	0	0.0	
23-04-19	3 AM	0	426	235	12	NA	NA	0	0.0	
23-04-19	4 AM	0	485	283	15	NA	NA	0	0.0	
23-04-19	5 AM	0	478	274	15	NA	NA	0	0.0	
23-04-19	6 AM	0	494	281	15	NA	NA	0	0.0	
23-04-19	7 AM	0	482	277	14	NA	NA	0	0.0	
23-04-19	8 AM	0	481	275	15	NA	NA	0	0.0	
23-04-19	9 AM	0	497	281	15	NA	NA	0	0.0	
23-04-19	10 AM	0	468	259	17	NA	NA	0	0.0	
23-04-19	11 AM	0	466	239	25	NA	NA	0	0.0	
23-04-19	12 PM	0	477	253	58	NA	NA	0	0.0	Desulphurisation column tripped
23-04-19	1 PM	0	469	258	35	NA	NA	0	0.0	
23-04-19	2 PM	0	502	285	21	NA	NA	0	0.0	
23-04-19	3 PM	0	485	278	20	NA	NA	0	0.0	
23-04-19	4 PM	0	468	264	19	NA	NA	0	0.0	
23-04-19	5 PM	0	481	279	18	NA	NA	0	0.0	
23-04-19	6 PM	0	501	299	16	NA	NA	0	0.0	
23-04-19	7 PM	0	519	307	17	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
23-04-19	8 PM	0	525	305	17	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
23-04-19	9 PM	0	384	229	12	NA	NA	0	0.0	
23-04-19	10 PM	0	429	242	14	NA	NA	0	0.0	

23-04-19	11 PM	0	526	303	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
24-04-19	12 AM	0	489	287	21	NA	NA	0	0.0	
24-04-19	1 AM	0	486	286	21	NA	NA	0	0.0	
24-04-19	2 AM	0	491	288	32	NA	NA	0	0.0	
24-04-19	3 AM	0	497	287	71	NA	NA	0	0.0	Desulphurisation column tripped
24-04-19	4 AM	0	489	281	45	NA	NA	0	0.0	
24-04-19	5 AM	0	477	274	39	NA	NA	0	0.0	
24-04-19	6 AM	0	462	251	39	NA	NA	0	0.0	
24-04-19	7 AM	0	460	238	37	NA	NA	0	0.0	
24-04-19	8 AM	0	457	230	36	NA	NA	0	0.0	
24-04-19	9 AM	0	468	250	29	NA	NA	0	0.0	
24-04-19	10 AM	0	463	238	27	NA	NA	0	0.0	
24-04-19	11 AM	0	465	220	28	NA	NA	0	0.0	
24-04-19	12 PM	0	334	153	17	NA	NA	0	0.0	
24-04-19	1 PM	0	382	207	24	NA	NA	0	0.0	
24-04-19	2 PM	0	450	237	36	NA	NA	0	0.0	
24-04-19	3 PM	0	452	247	32	NA	NA	0	0.0	
24-04-19	4 PM	0	449	249	30	NA	NA	0	0.0	
24-04-19	5 PM	0	438	220	30	NA	NA	0	0.0	
24-04-19	6 PM	2	220	105	14	NA	NA	0	0.0	
24-04-19	7 PM	-	-	-	-	-	-	-	-	
24-04-19	8 PM	-	-	-	-	-	-	-	-	
24-04-19	9 PM	-	-	-	-	-	-	-	-	
24-04-19	10 PM	-	-	-	-	-	-	-	-	
24-04-19	11 PM	0	196	112	18	NA	NA	0	0.0	

25-04-19	12 AM	0	404	220	38	NA	NA	0	0.0	
25-04-19	1 AM	0	399	155	41	NA	NA	0	0.0	
25-04-19	2 AM	0	399	139	43	NA	NA	0	0.0	
25-04-19	3 AM	0	394	132	43	NA	NA	0	0.0	
25-04-19	4 AM	0	390	171	43	NA	NA	0	0.0	
25-04-19	5 AM	0	388	177	40	NA	NA	0	0.0	
25-04-19	6 AM	0	393	204	36	NA	NA	0	0.0	
25-04-19	7 AM	0	401	169	35	NA	NA	0	0.0	
25-04-19	8 AM	-	-	-	-	-	-	-	-	
25-04-19	9 AM	-	-	-	-	-	-	-	-	
25-04-19	10 AM	-	-	-	-	-	-	-	-	
25-04-19	11 AM	-	-	-	-	-	-	-	-	
25-04-19	12 PM	-	-	-	-	-	-	-	-	
25-04-19	1 PM	0	345	173	12	NA	NA	0	0.0	
25-04-19	2 PM	-	-	-	-	-	-	-	-	
25-04-19	3 PM	-	-	-	-	-	-	-	-	
25-04-19	4 PM	0	202	169	22	NA	NA	0	0.0	
25-04-19	5 PM	0	401	146	46	NA	NA	0	0.0	
25-04-19	6 PM	0	395	162	42	NA	NA	0	0.0	
25-04-19	7 PM	0	389	130	41	NA	NA	0	0.0	
25-04-19	8 PM	0	379	120	37	NA	NA	0	0.0	
25-04-19	9 PM	0	374	107	39	NA	NA	0	0.0	
25-04-19	10 PM	-	-	-	-	-	-	-	-	
25-04-19	11 PM	-	-	-	-	-	-	-	-	
26-04-19	12 AM	0	361	65	34	NA	NA	0	0.0	
26-04-19	1 AM	-	-	-	-	-	-	-	-	
26-04-19	2 AM	-	-	-	-	-	-	-	-	
26-04-19	3 AM	0	208	143	20	NA	NA	0	0.0	
26-04-19	4 AM	0	402	177	37	NA	NA	0	0.0	

26-04-19	5 AM	-	-	-	-	-	-	-	-	
26-04-19	6 AM	0	224	169	14	NA	NA	0	0.0	
26-04-19	7 AM	0	208	109	16	NA	NA	0	0.0	
26-04-19	8 AM	-	-	-	-	-	-	-	-	
26-04-19	9 AM	0	426	239	30	NA	NA	0	0.0	
26-04-19	10 AM	0	447	299	25	NA	NA	0	0.0	
26-04-19	11 AM	-	-	-	-	-	-	-	-	
26-04-19	12 PM	0	461	250	31	NA	NA	0	0.0	
26-04-19	1 PM	0	492	237	54	NA	NA	0	0.0	Desulphurisation column tripped
26-04-19	2 PM	0	239	137	27	NA	NA	0	0.0	
26-04-19	3 PM	0	491	232	46	NA	NA	0	0.0	
26-04-19	4 PM	0	248	115	22	NA	NA	0	0.0	
26-04-19	5 PM	0	234	123	16	NA	NA	0	0.0	
26-04-19	6 PM	0	503	229	30	NA	NA	0	0.0	
26-04-19	7 PM	-	-	-	-	-	-	-	-	
26-04-19	8 PM	-	-	-	-	-	-	-	-	
26-04-19	9 PM	-	-	-	-	-	-	-	-	
26-04-19	10 PM	-	-	-	-	-	-	-	-	
26-04-19	11 PM	-	-	-	-	-	-	-	-	
27-04-19	12 AM	-	-	-	-	-	-	-	-	
27-04-19	1 AM	0	240	30	10	NA	NA	0	0.0	
27-04-19	2 AM	-	-	-	-	-	-	-	-	
27-04-19	3 AM	0	448	233	28	NA	NA	0	0.0	
27-04-19	4 AM	0	445	301	25	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
27-04-19	5 AM	-	-	-	-	-	-	-	-	

27-04-19	6 AM	-	-	-	-	-	-	-	-	
27-04-19	7 AM	-	-	-	-	-	-	-	-	
27-04-19	8 AM	-	-	-	-	-	-	-	-	
27-04-19	9 AM	-	-	-	-	-	-	-	-	
27-04-19	10 AM	-	-	-	-	-	-	-	-	
27-04-19	11 AM	-	-	-	-	-	-	-	-	
27-04-19	12 PM	-	-	-	-	-	-	-	-	
27-04-19	1 PM	-	-	-	-	-	-	-	-	
27-04-19	2 PM	-	-	-	-	-	-	-	-	
27-04-19	3 PM	-	-	-	-	-	-	-	-	
27-04-19	4 PM	-	-	-	-	-	-	-	-	
27-04-19	5 PM	-	-	-	-	-	-	-	-	
27-04-19	6 PM	-	-	-	-	-	-	-	-	
27-04-19	7 PM	-	-	-	-	-	-	-	-	
27-04-19	8 PM	-	-	-	-	-	-	-	-	
27-04-19	9 PM	-	-	-	-	-	-	-	-	
27-04-19	10 PM	-	-	-	-	-	-	-	-	
27-04-19	11 PM	-	-	-	-	-	-	-	-	
28-04-19	12 AM	-	-	-	-	-	-	-	-	
28-04-19	1 AM	-	-	-	-	-	-	-	-	
28-04-19	2 AM	-	-	-	-	-	-	-	-	
28-04-19	3 AM	-	-	-	-	-	-	-	-	
28-04-19	4 AM	-	-	-	-	-	-	-	-	
28-04-19	5 AM	-	-	-	-	-	-	-	-	
28-04-19	6 AM	-	-	-	-	-	-	-	-	
28-04-19	7 AM	-	-	-	-	-	-	-	-	
28-04-19	8 AM	-	-	-	-	-	-	-	-	
28-04-19	9 AM	-	-	-	-	-	-	-	-	
28-04-19	10 AM	-	-	-	-	-	-	-	-	

28-04-19	11 AM	-	-	-	-	-	-	-	-	
28-04-19	12 PM	-	-	-	-	-	-	-	-	
28-04-19	1 PM	-	-	-	-	-	-	-	-	
28-04-19	2 PM	3	0	0	0	NA	NA	0	0.0	
28-04-19	3 PM	-	-	-	-	-	-	-	-	
28-04-19	4 PM	-	-	-	-	-	-	-	-	
28-04-19	5 PM	-	-	-	-	-	-	-	-	
28-04-19	6 PM	-	-	-	-	-	-	-	-	
28-04-19	7 PM	-	-	-	-	-	-	-	-	
28-04-19	8 PM	-	-	-	-	-	-	-	-	
28-04-19	9 PM	-	-	-	-	-	-	-	-	
28-04-19	10 PM	1	0	0	0	NA	NA	0	0.0	
28-04-19	11 PM	-	-	-	-	-	-	-	-	
29-04-19	12 AM	-	-	-	-	-	-	-	-	
29-04-19	1 AM	-	-	-	-	-	-	-	-	
29-04-19	2 AM	-	-	-	-	-	-	-	-	
29-04-19	3 AM	-	-	-	-	-	-	-	-	
29-04-19	4 AM	-	-	-	-	-	-	-	-	
29-04-19	5 AM	-	-	-	-	-	-	-	-	
29-04-19	6 AM	-	-	-	-	-	-	-	-	
29-04-19	7 AM	-	-	-	-	-	-	-	-	
29-04-19	8 AM	-	-	-	-	-	-	-	-	
29-04-19	9 AM	-	-	-	-	-	-	-	-	
29-04-19	10 AM	-	-	-	-	-	-	-	-	
29-04-19	11 AM	-	-	-	-	-	-	-	-	
29-04-19	12 PM	-	-	-	-	-	-	-	-	
29-04-19	1 PM	-	-	-	-	-	-	-	-	
29-04-19	2 PM	-	-	-	-	-	-	-	-	
29-04-19	3 PM	2	0	0	0	NA	NA	0	0.0	Startup of CHP

29-04-19	4 PM	1	421	301	114	NA	NA	0	0.0	Startup of CHP
29-04-19	5 PM	0	515	350	81	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
29-04-19	6 PM	0	213	149	58	NA	NA	0	0.0	Desulphurisation column tripped
29-04-19	7 PM	1	424	271	123	NA	NA	0	0.0	Desulphurisation column tripped
29-04-19	8 PM	0	421	246	129	NA	NA	0	0.0	Desulphurisation column tripped
29-04-19	9 PM	3	397	274	128	NA	NA	0	0.0	Desulphurisation column tripped
29-04-19	10 PM	0	355	169	99	NA	NA	41	1.5	Desulphurisation column tripped / HCl and HF interferences by other gases (Sensor fault)
29-04-19	11 PM	-	-	-	-	-	-	-	-	
30-04-19	12 AM	-	-	-	-	-	-	-	-	
30-04-19	1 AM	-	-	-	-	-	-	-	-	
30-04-19	2 AM	-	-	-	-	-	-	-	-	
30-04-19	3 AM	-	-	-	-	-	-	-	-	
30-04-19	4 AM	-	-	-	-	-	-	-	-	
30-04-19	5 AM	-	-	-	-	-	-	-	-	
30-04-19	6 AM	-	-	-	-	-	-	-	-	
30-04-19	7 AM	0	352	131	47	NA	NA	1	0.0	
30-04-19	8 AM	-	-	-	-	-	-	-	-	
30-04-19	9 AM	0	602	206	39	NA	NA	0	0.0	

30-04-19	10 AM	-	-	-	-	-	-	-	-	
30-04-19	11 AM	-	-	-	-	-	-	-	-	
30-04-19	12 PM	-	-	-	-	-	-	-	-	
30-04-19	1 PM	-	-	-	-	-	-	-	-	
30-04-19	2 PM	-	-	-	-	-	-	-	-	
30-04-19	3 PM	-	-	-	-	-	-	-	-	
30-04-19	4 PM	-	-	-	-	-	-	-	-	
30-04-19	5 PM	-	-	-	-	-	-	-	-	
30-04-19	6 PM	-	-	-	-	-	-	-	-	
30-04-19	7 PM	-	-	-	-	-	-	-	-	
30-04-19	8 PM	-	-	-	-	-	-	-	-	
30-04-19	9 PM	-	-	-	-	-	-	-	-	
30-04-19	10 PM	-	-	-	-	-	-	-	-	
30-04-19	11 PM	-	-	-	-	-	-	-	-	

Annex G8

Hourly Average of Parameters Measured in CHP 2

Date	Hour	CHP 2 Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO_2	NMVOCs	VOC (including methane)	HCl	HF	
01-04-19	12 AM	0	179	110	33	NA	NA	0	0.0	
01-04-19	1 AM	0	212	131	34	NA	NA	0	0.0	
01-04-19	2 AM	0	215	138	33	NA	NA	0	0.0	
01-04-19	3 AM	0	228	146	31	NA	NA	0	0.0	
01-04-19	4 AM	0	222	145	31	NA	NA	0	0.0	
01-04-19	5 AM	0	221	149	30	NA	NA	0	0.0	
01-04-19	6 AM	0	208	154	29	NA	NA	0	0.0	
01-04-19	7 AM	0	192	161	28	NA	NA	0	0.0	
01-04-19	8 AM	0	198	177	27	NA	NA	0	0.0	
01-04-19	9 AM	0	199	187	25	NA	NA	0	0.0	
01-04-19	10 AM	0	226	200	25	NA	NA	0	0.0	
01-04-19	11 AM	0	245	209	23	NA	NA	0	0.0	
01-04-19	12 PM	0	254	211	22	NA	NA	0	0.0	
01-04-19	1 PM	0	253	208	23	NA	NA	0	0.0	
01-04-19	2 PM	0	257	208	23	NA	NA	0	0.0	
01-04-19	3 PM	0	266	209	23	NA	NA	0	0.0	
01-04-19	4 PM	0	271	207	59	NA	NA	0	0.0	Desulphurisation system tripped
01-04-19	5 PM	0	43	54	4	NA	NA	0	0.0	
01-04-19	6 PM	0	32	40	0	NA	NA	0	0.0	
01-04-19	7 PM	0	25	32	2	NA	NA	0	0.0	
01-04-19	8 PM	-	-	-	-	-	-	-	-	
01-04-19	9 PM	-	-	-	-	-	-	-	-	
01-04-19	10 PM	-	-	-	-	-	-	-	-	
01-04-19	11 PM	-	-	-	-	-	-	-	-	

02-04-19	12 AM	-	-	-	-	-	-	-	-	
02-04-19	1 AM	-	-	-	-	-	-	-	-	
02-04-19	2 AM	-	-	-	-	-	-	-	-	
02-04-19	3 AM	-	-	-	-	-	-	-	-	
02-04-19	4 AM	-	-	-	-	-	-	-	-	
02-04-19	5 AM	-	-	-	-	-	-	-	-	
02-04-19	6 AM	-	-	-	-	-	-	-	-	
02-04-19	7 AM	-	-	-	-	-	-	-	-	
02-04-19	8 AM	-	-	-	-	-	-	-	-	
02-04-19	9 AM	-	-	-	-	-	-	-	-	
02-04-19	10 AM	-	-	-	-	-	-	-	-	
02-04-19	11 AM	-	-	-	-	-	-	-	-	
02-04-19	12 PM	0	40	52	0	NA	NA	0	0.0	
02-04-19	1 PM	0	36	24	0	NA	NA	0	0.0	
02-04-19	2 PM	0	38	24	0	NA	NA	0	0.0	
02-04-19	3 PM	0	23	7	0	NA	NA	0	0.0	
02-04-19	4 PM	0	170	212	23	NA	NA	0	0.0	
02-04-19	5 PM	0	150	201	21	NA	NA	0	0.0	
02-04-19	6 PM	0	35	18	1	NA	NA	0	0.0	
02-04-19	7 PM	0	25	5	0	NA	NA	0	0.0	
02-04-19	8 PM	0	42	17	1	NA	NA	0	0.0	
02-04-19	9 PM	0	44	19	2	NA	NA	0	0.0	
02-04-19	10 PM	0	32	8	0	NA	NA	0	0.0	
02-04-19	11 PM	0	40	14	1	NA	NA	0	0.0	
03-04-19	12 AM	0	38	11	2	NA	NA	0	0.0	
03-04-19	1 AM	0	14	1	0	NA	NA	0	0.0	
03-04-19	2 AM	0	21	31	10	NA	NA	0	0.0	
03-04-19	3 AM	0	47	11	9	NA	NA	0	0.0	
03-04-19	4 AM	0	33	3	0	NA	NA	0	0.0	

03-04-19	5 AM	0	70	24	3	NA	NA	0	0.0	
03-04-19	6 AM	0	29	1	0	NA	NA	0	0.0	
03-04-19	7 AM	0	43	11	1	NA	NA	0	0.0	
03-04-19	8 AM	0	42	14	1	NA	NA	0	0.0	
03-04-19	9 AM	0	26	4	0	NA	NA	0	0.0	
03-04-19	10 AM	0	42	18	1	NA	NA	0	0.0	
03-04-19	11 AM	0	28	19	0	NA	NA	0	0.0	
03-04-19	12 PM	0	33	16	0	NA	NA	0	0.0	
03-04-19	1 PM	0	66	46	3	NA	NA	0	0.0	
03-04-19	2 PM	0	68	60	4	NA	NA	0	0.0	
03-04-19	3 PM	0	63	59	3	NA	NA	0	0.0	
03-04-19	4 PM	0	81	63	7	NA	NA	0	0.0	
03-04-19	5 PM	-	-	-	-	-	-	-	-	
03-04-19	6 PM	0	69	78	2	NA	NA	0	0.0	
03-04-19	7 PM	0	67	54	2	NA	NA	0	0.0	
03-04-19	8 PM	0	77	63	4	NA	NA	0	0.0	
03-04-19	9 PM	0	77	62	2	NA	NA	0	0.0	
03-04-19	10 PM	0	79	60	1	NA	NA	0	0.0	
03-04-19	11 PM	0	93	72	3	NA	NA	0	0.0	
04-04-19	12 AM	0	87	66	2	NA	NA	0	0.0	
04-04-19	1 AM	0	81	60	1	NA	NA	0	0.0	
04-04-19	2 AM	0	89	68	3	NA	NA	0	0.0	
04-04-19	3 AM	0	79	62	2	NA	NA	0	0.0	
04-04-19	4 AM	0	75	57	2	NA	NA	0	0.0	
04-04-19	5 AM	0	86	68	3	NA	NA	0	0.0	
04-04-19	6 AM	0	80	62	2	NA	NA	0	0.0	
04-04-19	7 AM	0	76	56	1	NA	NA	0	0.0	
04-04-19	8 AM	0	87	67	3	NA	NA	0	0.0	
04-04-19	9 AM	0	90	70	2	NA	NA	0	0.0	

04-04-19	10 AM	0	89	66	1	NA	NA	0	0.0	
04-04-19	11 AM	0	94	74	3	NA	NA	0	0.0	
04-04-19	12 PM	0	182	139	16	NA	NA	0	0.0	
04-04-19	1 PM	0	156	121	19	NA	NA	0	0.0	
04-04-19	2 PM	0	114	86	8	NA	NA	0	0.0	
04-04-19	3 PM	0	282	211	20	NA	NA	0	0.0	
04-04-19	4 PM	0	262	193	21	NA	NA	0	0.0	
04-04-19	5 PM	0	111	91	5	NA	NA	0	0.0	
04-04-19	6 PM	0	75	72	2	NA	NA	0	0.0	
04-04-19	7 PM	0	98	91	4	NA	NA	0	0.0	
04-04-19	8 PM	0	82	84	2	NA	NA	0	0.0	
04-04-19	9 PM	0	80	76	2	NA	NA	0	0.0	
04-04-19	10 PM	0	101	109	4	NA	NA	0	0.0	
04-04-19	11 PM	0	78	87	2	NA	NA	0	0.0	
05-04-19	12 AM	0	0	0	0	NA	NA	0	0.0	
05-04-19	1 AM	-	-	-	-	-	-	-	-	
05-04-19	2 AM	-	-	-	-	-	-	-	-	
05-04-19	3 AM	-	-	-	-	-	-	-	-	
05-04-19	4 AM	-	-	-	-	-	-	-	-	
05-04-19	5 AM	-	-	-	-	-	-	-	-	
05-04-19	6 AM	-	-	-	-	-	-	-	-	
05-04-19	7 AM	-	-	-	-	-	-	-	-	
05-04-19	8 AM	-	-	-	-	-	-	-	-	
05-04-19	9 AM	-	-	-	-	-	-	-	-	
05-04-19	10 AM	0	67	199	6	NA	NA	0	0.0	
05-04-19	11 AM	0	79	81	5	NA	NA	0	0.0	
05-04-19	12 PM	0	174	195	17	NA	NA	0	0.0	
05-04-19	1 PM	0	217	241	21	NA	NA	0	0.0	
05-04-19	2 PM	0	216	232	22	NA	NA	0	0.0	

05-04-19	3 PM	0	215	222	22	NA	NA	0	0.0	
05-04-19	4 PM	0	97	104	12	NA	NA	0	0.0	
05-04-19	5 PM	-	-	-	-	-	-	-	-	
05-04-19	6 PM	-	-	-	-	-	-	-	-	
05-04-19	7 PM	-	-	-	-	-	-	-	-	
05-04-19	8 PM	-	-	-	-	-	-	-	-	
05-04-19	9 PM	-	-	-	-	-	-	-	-	
05-04-19	10 PM	-	-	-	-	-	-	-	-	
05-04-19	11 PM	-	-	-	-	-	-	-	-	
06-04-19	12 AM	-	-	-	-	-	-	-	-	
06-04-19	1 AM	-	-	-	-	-	-	-	-	
06-04-19	2 AM	-	-	-	-	-	-	-	-	
06-04-19	3 AM	-	-	-	-	-	-	-	-	
06-04-19	4 AM	-	-	-	-	-	-	-	-	
06-04-19	5 AM	-	-	-	-	-	-	-	-	
06-04-19	6 AM	-	-	-	-	-	-	-	-	
06-04-19	7 AM	-	-	-	-	-	-	-	-	
06-04-19	8 AM	-	-	-	-	-	-	-	-	
06-04-19	9 AM	-	-	-	-	-	-	-	-	
06-04-19	10 AM	-	-	-	-	-	-	-	-	
06-04-19	11 AM	-	-	-	-	-	-	-	-	
06-04-19	12 PM	-	-	-	-	-	-	-	-	
06-04-19	1 PM	-	-	-	-	-	-	-	-	
06-04-19	2 PM	-	-	-	-	-	-	-	-	
06-04-19	3 PM	-	-	-	-	-	-	-	-	
06-04-19	4 PM	-	-	-	-	-	-	-	-	
06-04-19	5 PM	-	-	-	-	-	-	-	-	
06-04-19	6 PM	-	-	-	-	-	-	-	-	
06-04-19	7 PM	-	-	-	-	-	-	-	-	

06-04-19	8 PM	0	39	142	2	NA	NA	0	0.0	
06-04-19	9 PM	0	34	38	1	NA	NA	0	0.0	
06-04-19	10 PM	0	57	160	5	NA	NA	0	0.0	
06-04-19	11 PM	-	-	-	-	-	-	-	-	
07-04-19	12 AM	-	-	-	-	-	-	-	-	
07-04-19	1 AM	-	-	-	-	-	-	-	-	
07-04-19	2 AM	-	-	-	-	-	-	-	-	
07-04-19	3 AM	-	-	-	-	-	-	-	-	
07-04-19	4 AM	0	72	468	2	NA	NA	0	0.0	Startup of CHP
07-04-19	5 AM	0	37	44	2	NA	NA	0	0.0	
07-04-19	6 AM	0	61	311	1	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
07-04-19	7 AM	0	39	46	2	NA	NA	0	0.0	
07-04-19	8 AM	0	92	357	4	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
07-04-19	9 AM	0	211	276	18	NA	NA	0	0.0	
07-04-19	10 AM	0	190	263	21	NA	NA	0	0.0	
07-04-19	11 AM	0	75	249	6	NA	NA	0	0.0	
07-04-19	12 PM	0	216	372	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
07-04-19	1 PM	0	219	278	20	NA	NA	0	0.0	
07-04-19	2 PM	1	239	296	19	NA	NA	0	0.0	

07-04-19	3 PM	2	238	290	17	NA	NA	0	0.0	
07-04-19	4 PM	2	229	277	17	NA	NA	0	0.0	
07-04-19	5 PM	2	223	272	18	NA	NA	0	0.0	
07-04-19	6 PM	2	223	272	19	NA	NA	0	0.0	
07-04-19	7 PM	2	223	267	19	NA	NA	0	0.0	
07-04-19	8 PM	2	224	261	20	NA	NA	0	0.0	
07-04-19	9 PM	2	212	256	20	NA	NA	0	0.0	
07-04-19	10 PM	1	97	123	11	NA	NA	0	0.0	
07-04-19	11 PM	0	46	315	4	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
08-04-19	12 AM	-	-	-	-	-	-	-	-	
08-04-19	1 AM	-	-	-	-	-	-	-	-	
08-04-19	2 AM	0	71	204	11	NA	NA	0	0.0	
08-04-19	3 AM	0	217	170	21	NA	NA	0	0.0	
08-04-19	4 AM	0	337	228	25	NA	NA	0	0.0	
08-04-19	5 AM	0	265	185	18	NA	NA	0	0.0	
08-04-19	6 AM	0	44	49	2	NA	NA	0	0.0	
08-04-19	7 AM	-	-	-	-	-	-	-	-	
08-04-19	8 AM	-	-	-	-	-	-	-	-	
08-04-19	9 AM	0	177	270	8	NA	NA	0	0.0	
08-04-19	10 AM	1	339	233	17	NA	NA	0	0.0	
08-04-19	11 AM	2	344	232	12	NA	NA	0	0.0	
08-04-19	12 PM	2	347	228	15	NA	NA	0	0.0	
08-04-19	1 PM	2	342	229	17	NA	NA	0	0.0	
08-04-19	2 PM	1	0	0	0	NA	NA	0	0.0	
08-04-19	3 PM	-	-	-	-	-	-	-	-	
08-04-19	4 PM	0	147	165	26	NA	NA	3	0.0	

08-04-19	5 PM	0	241	289	39	NA	NA	0	0.0	
08-04-19	6 PM	0	234	282	32	NA	NA	0	0.0	
08-04-19	7 PM	0	223	276	22	NA	NA	0	0.0	
08-04-19	8 PM	0	225	278	20	NA	NA	0	0.0	
08-04-19	9 PM	0	231	275	22	NA	NA	0	0.0	
08-04-19	10 PM	0	224	266	26	NA	NA	0	0.0	
08-04-19	11 PM	0	225	262	29	NA	NA	0	0.0	
09-04-19	12 AM	0	205	242	25	NA	NA	0	0.0	
09-04-19	1 AM	0	229	240	25	NA	NA	0	0.0	
09-04-19	2 AM	0	233	240	27	NA	NA	0	0.0	
09-04-19	3 AM	0	225	248	29	NA	NA	0	0.0	
09-04-19	4 AM	0	235	260	29	NA	NA	0	0.0	
09-04-19	5 AM	0	241	268	27	NA	NA	0	0.0	
09-04-19	6 AM	0	238	269	24	NA	NA	0	0.0	
09-04-19	7 AM	0	235	269	24	NA	NA	0	0.0	
09-04-19	8 AM	0	235	271	23	NA	NA	0	0.0	
09-04-19	9 AM	0	232	274	38	NA	NA	0	0.0	
09-04-19	10 AM	0	246	278	40	NA	NA	0	0.0	
09-04-19	11 AM	0	229	273	27	NA	NA	0	0.0	
09-04-19	12 PM	0	248	278	32	NA	NA	0	0.0	
09-04-19	1 PM	0	246	271	30	NA	NA	0	0.0	
09-04-19	2 PM	0	256	265	24	NA	NA	0	0.0	
09-04-19	3 PM	0	254	259	25	NA	NA	0	0.0	
09-04-19	4 PM	0	253	257	31	NA	NA	0	0.0	
09-04-19	5 PM	0	255	251	27	NA	NA	0	0.0	
09-04-19	6 PM	0	236	251	27	NA	NA	0	0.0	
09-04-19	7 PM	0	278	283	26	NA	NA	0	0.0	
09-04-19	8 PM	0	238	281	22	NA	NA	0	0.0	
09-04-19	9 PM	0	84	112	9	NA	NA	0	0.0	

09-04-19	10 PM	-	-	-	-	-	-	-	-	
09-04-19	11 PM	-	-	-	-	-	-	-	-	
10-04-19	12 AM	-	-	-	-	-	-	-	-	
10-04-19	1 AM	-	-	-	-	-	-	-	-	
10-04-19	2 AM	-	-	-	-	-	-	-	-	
10-04-19	3 AM	-	-	-	-	-	-	-	-	
10-04-19	4 AM	-	-	-	-	-	-	-	-	
10-04-19	5 AM	-	-	-	-	-	-	-	-	
10-04-19	6 AM	-	-	-	-	-	-	-	-	
10-04-19	7 AM	0	117	138	9	NA	NA	0	0.0	
10-04-19	8 AM	0	100	136	11	NA	NA	0	0.0	
10-04-19	9 AM	-	-	-	-	-	-	-	-	
10-04-19	10 AM	-	-	-	-	-	-	-	-	
10-04-19	11 AM	0	282	311	21	NA	NA	0	0.0	Startup of CHP
10-04-19	12 PM	1	327	306	20	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
10-04-19	1 PM	2	271	282	14	NA	NA	0	0.0	
10-04-19	2 PM	2	260	278	17	NA	NA	0	0.0	
10-04-19	3 PM	2	302	299	24	NA	NA	0	0.0	
10-04-19	4 PM	2	249	282	21	NA	NA	0	0.0	
10-04-19	5 PM	1	100	136	11	NA	NA	0	0.0	
10-04-19	6 PM	-	-	-	-	-	-	-	-	
10-04-19	7 PM	-	-	-	-	-	-	-	-	
10-04-19	8 PM	-	-	-	-	-	-	-	-	
10-04-19	9 PM	-	-	-	-	-	-	-	-	
10-04-19	10 PM	-	-	-	-	-	-	-	-	
10-04-19	11 PM	-	-	-	-	-	-	-	-	

11-04-19	12 AM	-	-	-	-	-	-	-	-	
11-04-19	1 AM	-	-	-	-	-	-	-	-	
11-04-19	2 AM	-	-	-	-	-	-	-	-	
11-04-19	3 AM	-	-	-	-	-	-	-	-	
11-04-19	4 AM	-	-	-	-	-	-	-	-	
11-04-19	5 AM	-	-	-	-	-	-	-	-	
11-04-19	6 AM	-	-	-	-	-	-	-	-	
11-04-19	7 AM	-	-	-	-	-	-	-	-	
11-04-19	8 AM	-	-	-	-	-	-	-	-	
11-04-19	9 AM	-	-	-	-	-	-	-	-	
11-04-19	10 AM	-	-	-	-	-	-	-	-	
11-04-19	11 AM	-	-	-	-	-	-	-	-	
11-04-19	12 PM	-	-	-	-	-	-	-	-	
11-04-19	1 PM	-	-	-	-	-	-	-	-	
11-04-19	2 PM	-	-	-	-	-	-	-	-	
11-04-19	3 PM	-	-	-	-	-	-	-	-	
11-04-19	4 PM	-	-	-	-	-	-	-	-	
11-04-19	5 PM	-	-	-	-	-	-	-	-	
11-04-19	6 PM	-	-	-	-	-	-	-	-	
11-04-19	7 PM	-	-	-	-	-	-	-	-	
11-04-19	8 PM	-	-	-	-	-	-	-	-	
11-04-19	9 PM	-	-	-	-	-	-	-	-	
11-04-19	10 PM	-	-	-	-	-	-	-	-	
11-04-19	11 PM	-	-	-	-	-	-	-	-	
12-04-19	12 AM	-	-	-	-	-	-	-	-	
12-04-19	1 AM	-	-	-	-	-	-	-	-	
12-04-19	2 AM	-	-	-	-	-	-	-	-	
12-04-19	3 AM	-	-	-	-	-	-	-	-	
12-04-19	4 AM	-	-	-	-	-	-	-	-	

12-04-19	5 AM	-	-	-	-	-	-	-	-	
12-04-19	6 AM	-	-	-	-	-	-	-	-	
12-04-19	7 AM	-	-	-	-	-	-	-	-	
12-04-19	8 AM	-	-	-	-	-	-	-	-	
12-04-19	9 AM	-	-	-	-	-	-	-	-	
12-04-19	10 AM	-	-	-	-	-	-	-	-	
12-04-19	11 AM	-	-	-	-	-	-	-	-	
12-04-19	12 PM	0	243	284	21	NA	NA	0	0.0	
12-04-19	1 PM	0	151	147	10	NA	NA	0	0.0	
12-04-19	2 PM	-	-	-	-	-	-	-	-	
12-04-19	3 PM	-	-	-	-	-	-	-	-	
12-04-19	4 PM	-	-	-	-	-	-	-	-	
12-04-19	5 PM	-	-	-	-	-	-	-	-	
12-04-19	6 PM	-	-	-	-	-	-	-	-	
12-04-19	7 PM	0	218	289	21	NA	NA	0	0.0	
12-04-19	8 PM	0	225	273	25	NA	NA	0	0.0	
12-04-19	9 PM	0	237	271	23	NA	NA	0	0.0	
12-04-19	10 PM	0	288	292	23	NA	NA	0	0.0	
12-04-19	11 PM	0	258	286	22	NA	NA	0	0.0	
13-04-19	12 AM	0	106	194	9	NA	NA	0	0.0	
13-04-19	1 AM	0	267	298	24	NA	NA	0	0.0	
13-04-19	2 AM	0	306	408	46	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May / Desulphurisation system tripped
13-04-19	3 AM	0	321	341	77	NA	NA	0	0.0	Setting on CHP maybe shifted and

										is arranged to re-adjust the setting in May / Desulphurisation system tripped
13-04-19	4 AM	0	286	305	83	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May / Desulphurisation system tripped
13-04-19	5 AM	0	257	278	73	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
13-04-19	6 AM	0	219	256	41	NA	NA	0	0.0	
13-04-19	7 AM	0	210	244	38	NA	NA	0	0.0	
13-04-19	8 AM	0	206	241	39	NA	NA	0	0.0	
13-04-19	9 AM	0	203	245	40	NA	NA	0	0.0	
13-04-19	10 AM	0	201	246	34	NA	NA	0	0.0	
13-04-19	11 AM	0	208	257	31	NA	NA	0	0.0	
13-04-19	12 PM	0	112	135	14	NA	NA	0	0.0	
13-04-19	1 PM	0	71	215	11	NA	NA	0	0.0	
13-04-19	2 PM	-	-	-	-	-	-	-	-	
13-04-19	3 PM	-	-	-	-	-	-	-	-	
13-04-19	4 PM	-	-	-	-	-	-	-	-	
13-04-19	5 PM	-	-	-	-	-	-	-	-	
13-04-19	6 PM	0	170	179	12	NA	NA	0	0.0	
13-04-19	7 PM	0	235	207	20	NA	NA	0	0.0	

13-04-19	8 PM	0	284	230	16	NA	NA	0	0.0	
13-04-19	9 PM	0	326	237	20	NA	NA	0	0.0	
13-04-19	10 PM	0	281	219	26	NA	NA	0	0.0	
13-04-19	11 PM	0	244	270	28	NA	NA	0	0.0	
14-04-19	12 AM	0	89	114	13	NA	NA	0	0.0	
14-04-19	1 AM	-	-	-	-	-	-	-	-	
14-04-19	2 AM	-	-	-	-	-	-	-	-	
14-04-19	3 AM	-	-	-	-	-	-	-	-	
14-04-19	4 AM	-	-	-	-	-	-	-	-	
14-04-19	5 AM	-	-	-	-	-	-	-	-	
14-04-19	6 AM	-	-	-	-	-	-	-	-	
14-04-19	7 AM	-	-	-	-	-	-	-	-	
14-04-19	8 AM	-	-	-	-	-	-	-	-	
14-04-19	9 AM	-	-	-	-	-	-	-	-	
14-04-19	10 AM	-	-	-	-	-	-	-	-	
14-04-19	11 AM	-	-	-	-	-	-	-	-	
14-04-19	12 PM	-	-	-	-	-	-	-	-	
14-04-19	1 PM	-	-	-	-	-	-	-	-	
14-04-19	2 PM	-	-	-	-	-	-	-	-	
14-04-19	3 PM	-	-	-	-	-	-	-	-	
14-04-19	4 PM	-	-	-	-	-	-	-	-	
14-04-19	5 PM	-	-	-	-	-	-	-	-	
14-04-19	6 PM	-	-	-	-	-	-	-	-	
14-04-19	7 PM	-	-	-	-	-	-	-	-	
14-04-19	8 PM	-	-	-	-	-	-	-	-	
14-04-19	9 PM	-	-	-	-	-	-	-	-	
14-04-19	10 PM	-	-	-	-	-	-	-	-	
14-04-19	11 PM	-	-	-	-	-	-	-	-	
15-04-19	12 AM	-	-	-	-	-	-	-	-	

15-04-19	1 AM	-	-	-	-	-	-	-	-	
15-04-19	2 AM	-	-	-	-	-	-	-	-	
15-04-19	3 AM	-	-	-	-	-	-	-	-	
15-04-19	4 AM	-	-	-	-	-	-	-	-	
15-04-19	5 AM	-	-	-	-	-	-	-	-	
15-04-19	6 AM	-	-	-	-	-	-	-	-	
15-04-19	7 AM	-	-	-	-	-	-	-	-	
15-04-19	8 AM	-	-	-	-	-	-	-	-	
15-04-19	9 AM	-	-	-	-	-	-	-	-	
15-04-19	10 AM	-	-	-	-	-	-	-	-	
15-04-19	11 AM	-	-	-	-	-	-	-	-	
15-04-19	12 PM	-	-	-	-	-	-	-	-	
15-04-19	1 PM	-	-	-	-	-	-	-	-	
15-04-19	2 PM	0	71	75	7	NA	NA	0	0.0	
15-04-19	3 PM	0	248	212	24	NA	NA	0	0.0	
15-04-19	4 PM	0	263	212	24	NA	NA	0	0.0	
15-04-19	5 PM	0	278	217	26	NA	NA	0	0.0	
15-04-19	6 PM	0	295	221	29	NA	NA	0	0.0	
15-04-19	7 PM	0	264	206	30	NA	NA	0	0.0	
15-04-19	8 PM	0	259	201	31	NA	NA	0	0.0	
15-04-19	9 PM	0	257	201	30	NA	NA	0	0.0	
15-04-19	10 PM	0	268	204	30	NA	NA	0	0.0	
15-04-19	11 PM	0	253	208	32	NA	NA	0	0.0	
16-04-19	12 AM	0	200	228	35	NA	NA	0	0.0	
16-04-19	1 AM	0	225	248	36	NA	NA	0	0.0	
16-04-19	2 AM	0	232	259	34	NA	NA	0	0.0	
16-04-19	3 AM	0	241	267	31	NA	NA	0	0.0	
16-04-19	4 AM	0	258	279	27	NA	NA	0	0.0	
16-04-19	5 AM	0	270	281	28	NA	NA	0	0.0	

16-04-19	6 AM	0	279	281	30	NA	NA	0	0.0	
16-04-19	7 AM	0	268	275	31	NA	NA	0	0.0	
16-04-19	8 AM	0	265	275	31	NA	NA	0	0.0	
16-04-19	9 AM	0	263	278	30	NA	NA	0	0.0	
16-04-19	10 AM	0	248	275	29	NA	NA	0	0.0	
16-04-19	11 AM	0	255	277	26	NA	NA	0	0.0	
16-04-19	12 PM	0	271	281	27	NA	NA	0	0.0	
16-04-19	1 PM	0	272	278	30	NA	NA	0	0.0	
16-04-19	2 PM	0	290	284	32	NA	NA	0	0.0	
16-04-19	3 PM	0	306	292	34	NA	NA	0	0.0	
16-04-19	4 PM	0	286	274	36	NA	NA	0	0.0	
16-04-19	5 PM	0	260	264	35	NA	NA	0	0.0	
16-04-19	6 PM	0	253	268	31	NA	NA	0	0.0	
16-04-19	7 PM	0	238	271	57	NA	NA	0	0.0	Desulphurisation system tripped
16-04-19	8 PM	0	275	289	116	NA	NA	0	0.0	Desulphurisation system tripped
16-04-19	9 PM	0	292	298	137	NA	NA	0	0.0	Desulphurisation system tripped
16-04-19	10 PM	0	325	307	107	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May / Desulphurisation system tripped
16-04-19	11 PM	0	295	289	55	NA	NA	0	0.0	Desulphurisation system tripped
17-04-19	12 AM	0	291	279	39	NA	NA	0	0.0	
17-04-19	1 AM	0	274	271	48	NA	NA	0	0.0	
17-04-19	2 AM	0	268	267	45	NA	NA	0	0.0	

17-04-19	3 AM	0	262	264	36	NA	NA	0	0.0	
17-04-19	4 AM	0	251	261	33	NA	NA	0	0.0	
17-04-19	5 AM	0	260	269	30	NA	NA	0	0.0	
17-04-19	6 AM	0	274	281	28	NA	NA	0	0.0	
17-04-19	7 AM	0	270	282	25	NA	NA	0	0.0	
17-04-19	8 AM	0	280	289	23	NA	NA	0	0.0	
17-04-19	9 AM	0	283	292	21	NA	NA	0	0.0	
17-04-19	10 AM	0	300	301	22	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
17-04-19	11 AM	0	323	307	24	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
17-04-19	12 PM	0	97	85	3	NA	NA	0	0.0	
17-04-19	1 PM	0	42	30	1	NA	NA	0	0.0	
17-04-19	2 PM	-	-	-	-	-	-	-	-	
17-04-19	3 PM	-	-	-	-	-	-	-	-	
17-04-19	4 PM	0	15	9	5	NA	NA	0	0.0	
17-04-19	5 PM	-	-	-	-	-	-	-	-	
17-04-19	6 PM	-	-	-	-	-	-	-	-	
17-04-19	7 PM	0	181	436	32	NA	NA	0	1.0	Startup of CHP
17-04-19	8 PM	-	-	-	-	-	-	-	-	
17-04-19	9 PM	-	-	-	-	-	-	-	-	
17-04-19	10 PM	-	-	-	-	-	-	-	-	
17-04-19	11 PM	-	-	-	-	-	-	-	-	
18-04-19	12 AM	-	-	-	-	-	-	-	-	

18-04-19	1 AM	-	-	-	-	-	-	-	-	
18-04-19	2 AM	-	-	-	-	-	-	-	-	
18-04-19	3 AM	-	-	-	-	-	-	-	-	
18-04-19	4 AM	-	-	-	-	-	-	-	-	
18-04-19	5 AM	-	-	-	-	-	-	-	-	
18-04-19	6 AM	-	-	-	-	-	-	-	-	
18-04-19	7 AM	4	70	607	4	NA	NA	0	0.0	Startup of CHP
18-04-19	8 AM	-	-	-	-	-	-	-	-	
18-04-19	9 AM	-	-	-	-	-	-	-	-	
18-04-19	10 AM	-	-	-	-	-	-	-	-	
18-04-19	11 AM	-	-	-	-	-	-	-	-	
18-04-19	12 PM	-	-	-	-	-	-	-	-	
18-04-19	1 PM	-	-	-	-	-	-	-	-	
18-04-19	2 PM	-	-	-	-	-	-	-	-	
18-04-19	3 PM	-	-	-	-	-	-	-	-	
18-04-19	4 PM	-	-	-	-	-	-	-	-	
18-04-19	5 PM	-	-	-	-	-	-	-	-	
18-04-19	6 PM	0	61	285	4	NA	NA	0	0.0	
18-04-19	7 PM	0	105	130	15	NA	NA	0	0.0	
18-04-19	8 PM	0	46	135	3	NA	NA	0	0.0	
18-04-19	9 PM	-	-	-	-	-	-	-	-	
18-04-19	10 PM	-	-	-	-	-	-	-	-	
18-04-19	11 PM	-	-	-	-	-	-	-	-	
19-04-19	12 AM	-	-	-	-	-	-	-	-	
19-04-19	1 AM	-	-	-	-	-	-	-	-	
19-04-19	2 AM	-	-	-	-	-	-	-	-	
19-04-19	3 AM	0	94	351	5	NA	NA	0	0.0	Startup of CHP
19-04-19	4 AM	0	0	0	0	NA	NA	0	0.0	
19-04-19	5 AM	0	81	176	2	NA	NA	0	0.0	

19-04-19	6 AM	0	79	96	3	NA	NA	0	0.0	
19-04-19	7 AM	0	81	316	4	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
19-04-19	8 AM	0	86	102	3	NA	NA	0	0.0	
19-04-19	9 AM	0	170	205	11	NA	NA	0	0.0	
19-04-19	10 AM	0	124	156	6	NA	NA	0	0.0	
19-04-19	11 AM	0	213	284	15	NA	NA	0	0.0	
19-04-19	12 PM	0	208	278	16	NA	NA	0	0.0	
19-04-19	1 PM	0	208	280	34	NA	NA	0	0.0	
19-04-19	2 PM	0	216	286	112	NA	NA	0	0.0	Desulphurisation system tripped
19-04-19	3 PM	0	152	195	108	NA	NA	0	0.0	Desulphurisation system tripped
19-04-19	4 PM	0	37	39	17	NA	NA	0	0.0	
19-04-19	5 PM	0	104	203	87	NA	NA	0	0.0	Desulphurisation system tripped
19-04-19	6 PM	0	98	135	86	NA	NA	0	0.0	Desulphurisation system tripped
19-04-19	7 PM	0	186	361	177	NA	NA	0	0.5	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May / Desulphurisation system tripped
19-04-19	8 PM	-	-	-	-	-	-	-	-	
19-04-19	9 PM	-	-	-	-	-	-	-	-	
19-04-19	10 PM	-	-	-	-	-	-	-	-	

19-04-19	11 PM	-	-	-	-	-	-	-	-	
20-04-19	12 AM	-	-	-	-	-	-	-	-	
20-04-19	1 AM	-	-	-	-	-	-	-	-	
20-04-19	2 AM	0	38	87	3	NA	NA	0	0.0	
20-04-19	3 AM	0	57	63	3	NA	NA	0	0.0	
20-04-19	4 AM	0	83	196	4	NA	NA	0	0.0	
20-04-19	5 AM	0	78	94	3	NA	NA	0	0.0	
20-04-19	6 AM	0	71	84	1	NA	NA	0	0.0	
20-04-19	7 AM	0	81	95	2	NA	NA	0	0.0	
20-04-19	8 AM	0	81	98	2	NA	NA	0	0.0	
20-04-19	9 AM	0	166	209	10	NA	NA	0	0.0	
20-04-19	10 AM	0	214	221	23	NA	NA	0	0.0	
20-04-19	11 AM	0	216	220	103	NA	NA	0	0.0	Desulphurisation system tripped
20-04-19	12 PM	0	107	113	22	NA	NA	0	0.0	
20-04-19	1 PM	0	81	92	3	NA	NA	0	0.0	
20-04-19	2 PM	0	86	92	1	NA	NA	0	0.0	
20-04-19	3 PM	0	98	115	4	NA	NA	0	0.0	
20-04-19	4 PM	0	74	88	2	NA	NA	0	0.0	
20-04-19	5 PM	0	78	86	2	NA	NA	0	0.0	
20-04-19	6 PM	0	89	103	6	NA	NA	0	0.0	
20-04-19	7 PM	0	121	152	11	NA	NA	0	0.0	
20-04-19	8 PM	0	146	196	18	NA	NA	0	0.0	
20-04-19	9 PM	0	69	138	4	NA	NA	0	0.0	
20-04-19	10 PM	0	52	74	6	NA	NA	0	0.0	
20-04-19	11 PM	-	-	-	-	-	-	-	-	
21-04-19	12 AM	0	81	327	10	NA	NA	0	0.5	Startup of CHP
21-04-19	1 AM	-	-	-	-	-	-	-	-	
21-04-19	2 AM	0	86	183	11	NA	NA	0	0.5	

21-04-19	3 AM	-	-	-	-	-	-	-	-	
21-04-19	4 AM	-	-	-	-	-	-	-	-	
21-04-19	5 AM	-	-	-	-	-	-	-	-	
21-04-19	6 AM	-	-	-	-	-	-	-	-	
21-04-19	7 AM	-	-	-	-	-	-	-	-	
21-04-19	8 AM	0	174	455	20	NA	NA	0	1.0	Startup of CHP
21-04-19	9 AM	0	83	133	11	NA	NA	0	0.0	
21-04-19	10 AM	-	-	-	-	-	-	-	-	
21-04-19	11 AM	-	-	-	-	-	-	-	-	
21-04-19	12 PM	-	-	-	-	-	-	-	-	
21-04-19	1 PM	-	-	-	-	-	-	-	-	
21-04-19	2 PM	-	-	-	-	-	-	-	-	
21-04-19	3 PM	-	-	-	-	-	-	-	-	
21-04-19	4 PM	0	83	277	2	NA	NA	0	0.0	
21-04-19	5 PM	0	61	148	13	NA	NA	0	0.0	
21-04-19	6 PM	0	103	290	20	NA	NA	0	0.0	
21-04-19	7 PM	0	64	89	11	NA	NA	0	0.0	
21-04-19	8 PM	-	-	-	-	-	-	-	-	
21-04-19	9 PM	0	117	337	8	NA	NA	0	0.0	Startup of CHP
21-04-19	10 PM	0	39	148	1	NA	NA	0	0.0	
21-04-19	11 PM	0	38	126	1	NA	NA	0	0.0	
22-04-19	12 AM	-	-	-	-	-	-	-	-	
22-04-19	1 AM	-	-	-	-	-	-	-	-	
22-04-19	2 AM	-	-	-	-	-	-	-	-	
22-04-19	3 AM	-	-	-	-	-	-	-	-	
22-04-19	4 AM	-	-	-	-	-	-	-	-	
22-04-19	5 AM	0	116	169	9	NA	NA	0	0.0	
22-04-19	6 AM	0	231	289	18	NA	NA	0	0.0	
22-04-19	7 AM	0	210	277	20	NA	NA	0	0.0	

22-04-19	8 AM	0	204	275	21	NA	NA	0	0.0	
22-04-19	9 AM	0	193	269	21	NA	NA	0	0.0	
22-04-19	10 AM	0	181	260	21	NA	NA	0	0.0	
22-04-19	11 AM	0	161	243	34	NA	NA	0	0.0	
22-04-19	12 PM	0	177	249	59	NA	NA	0	0.0	Desulphurisation system tripped
22-04-19	1 PM	0	157	239	46	NA	NA	0	0.0	
22-04-19	2 PM	0	265	307	57	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May / Desulphurisation system tripped
22-04-19	3 PM	0	274	295	31	NA	NA	0	0.0	
22-04-19	4 PM	0	284	300	20	NA	NA	0	0.0	
22-04-19	5 PM	0	303	311	17	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
22-04-19	6 PM	0	266	294	17	NA	NA	0	0.0	
22-04-19	7 PM	0	226	277	18	NA	NA	0	0.0	
22-04-19	8 PM	0	207	271	19	NA	NA	0	0.0	
22-04-19	9 PM	0	216	276	18	NA	NA	0	0.0	
22-04-19	10 PM	0	251	294	16	NA	NA	0	0.0	
22-04-19	11 PM	0	273	303	16	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May

23-04-19	12 AM	0	297	318	15	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
23-04-19	1 AM	0	216	233	14	NA	NA	0	0.0	
23-04-19	2 AM	-	-	-	-	-	-	-	-	
23-04-19	3 AM	0	39	252	1	NA	NA	0	0.0	
23-04-19	4 AM	-	-	-	-	-	-	-	-	
23-04-19	5 AM	-	-	-	-	-	-	-	-	
23-04-19	6 AM	-	-	-	-	-	-	-	-	
23-04-19	7 AM	-	-	-	-	-	-	-	-	
23-04-19	8 AM	-	-	-	-	-	-	-	-	
23-04-19	9 AM	-	-	-	-	-	-	-	-	
23-04-19	10 AM	-	-	-	-	-	-	-	-	
23-04-19	11 AM	-	-	-	-	-	-	-	-	
23-04-19	12 PM	-	-	-	-	-	-	-	-	
23-04-19	1 PM	-	-	-	-	-	-	-	-	
23-04-19	2 PM	-	-	-	-	-	-	-	-	
23-04-19	3 PM	0	171	416	18	NA	NA	0	0.5	Startup of CHP
23-04-19	4 PM	0	170	269	18	NA	NA	0	0.0	
23-04-19	5 PM	0	175	270	17	NA	NA	0	0.0	
23-04-19	6 PM	-	-	-	-	-	-	-	-	
23-04-19	7 PM	-	-	-	-	-	-	-	-	
23-04-19	8 PM	-	-	-	-	-	-	-	-	
23-04-19	9 PM	0	68	168	5	NA	NA	0	0.0	
23-04-19	10 PM	0	37	215	2	NA	NA	0	0.0	
23-04-19	11 PM	-	-	-	-	-	-	-	-	
24-04-19	12 AM	-	-	-	-	-	-	-	-	
24-04-19	1 AM	-	-	-	-	-	-	-	-	

24-04-19	2 AM	-	-	-	-	-	-	-	-	
24-04-19	3 AM	-	-	-	-	-	-	-	-	
24-04-19	4 AM	-	-	-	-	-	-	-	-	
24-04-19	5 AM	-	-	-	-	-	-	-	-	
24-04-19	6 AM	-	-	-	-	-	-	-	-	
24-04-19	7 AM	-	-	-	-	-	-	-	-	
24-04-19	8 AM	-	-	-	-	-	-	-	-	
24-04-19	9 AM	-	-	-	-	-	-	-	-	
24-04-19	10 AM	-	-	-	-	-	-	-	-	
24-04-19	11 AM	-	-	-	-	-	-	-	-	
24-04-19	12 PM	-	-	-	-	-	-	-	-	
24-04-19	1 PM	-	-	-	-	-	-	-	-	
24-04-19	2 PM	-	-	-	-	-	-	-	-	
24-04-19	3 PM	-	-	-	-	-	-	-	-	
24-04-19	4 PM	-	-	-	-	-	-	-	-	
24-04-19	5 PM	-	-	-	-	-	-	-	-	
24-04-19	6 PM	0	95	140	14	NA	NA	0	0.0	
24-04-19	7 PM	0	139	219	28	NA	NA	0	0.0	
24-04-19	8 PM	0	141	200	29	NA	NA	0	0.0	
24-04-19	9 PM	0	139	192	31	NA	NA	0	0.0	
24-04-19	10 PM	0	160	218	32	NA	NA	0	0.0	
24-04-19	11 PM	0	65	90	16	NA	NA	0	0.0	
25-04-19	12 AM	-	-	-	-	-	-	-	-	
25-04-19	1 AM	-	-	-	-	-	-	-	-	
25-04-19	2 AM	-	-	-	-	-	-	-	-	
25-04-19	3 AM	-	-	-	-	-	-	-	-	
25-04-19	4 AM	-	-	-	-	-	-	-	-	
25-04-19	5 AM	-	-	-	-	-	-	-	-	
25-04-19	6 AM	-	-	-	-	-	-	-	-	

25-04-19	7 AM	-	-	-	-	-	-	-	-	
25-04-19	8 AM	0	96	157	32	NA	NA	0	0.0	
25-04-19	9 AM	0	142	214	77	NA	NA	0	0.0	Desulphurisation system tripped
25-04-19	10 AM	0	155	253	60	NA	NA	0	0.0	Desulphurisation system tripped
25-04-19	11 AM	0	134	219	37	NA	NA	0	0.0	
25-04-19	12 PM	0	67	109	16	NA	NA	0	0.0	
25-04-19	1 PM	0	128	157	16	NA	NA	0	0.0	
25-04-19	2 PM	0	235	240	31	NA	NA	0	0.0	
25-04-19	3 PM	0	174	169	33	NA	NA	0	0.0	
25-04-19	4 PM	0	87	77	18	NA	NA	0	0.0	
25-04-19	5 PM	-	-	-	-	-	-	-	-	
25-04-19	6 PM	-	-	-	-	-	-	-	-	
25-04-19	7 PM	-	-	-	-	-	-	-	-	
25-04-19	8 PM	-	-	-	-	-	-	-	-	
25-04-19	9 PM	-	-	-	-	-	-	-	-	
25-04-19	10 PM	-	-	-	-	-	-	-	-	
25-04-19	11 PM	-	-	-	-	-	-	-	-	
26-04-19	12 AM	-	-	-	-	-	-	-	-	
26-04-19	1 AM	-	-	-	-	-	-	-	-	
26-04-19	2 AM	-	-	-	-	-	-	-	-	
26-04-19	3 AM	-	-	-	-	-	-	-	-	
26-04-19	4 AM	-	-	-	-	-	-	-	-	
26-04-19	5 AM	-	-	-	-	-	-	-	-	
26-04-19	6 AM	-	-	-	-	-	-	-	-	
26-04-19	7 AM	-	-	-	-	-	-	-	-	
26-04-19	8 AM	-	-	-	-	-	-	-	-	
26-04-19	9 AM	-	-	-	-	-	-	-	-	

26-04-19	10 AM	-	-	-	-	-	-	-	-	
26-04-19	11 AM	-	-	-	-	-	-	-	-	
26-04-19	12 PM	0	55	234	12	NA	NA	0	0.5	
26-04-19	1 PM	-	-	-	-	-	-	-	-	
26-04-19	2 PM	0	58	221	21	NA	NA	0	0.5	
26-04-19	3 PM	-	-	-	-	-	-	-	-	
26-04-19	4 PM	-	-	-	-	-	-	-	-	
26-04-19	5 PM	-	-	-	-	-	-	-	-	
26-04-19	6 PM	0	123	202	23	NA	NA	0	0.5	
26-04-19	7 PM	-	-	-	-	-	-	-	-	
26-04-19	8 PM	0	256	217	30	NA	NA	0	0.0	
26-04-19	9 PM	0	243	180	30	NA	NA	0	0.0	
26-04-19	10 PM	0	220	205	32	NA	NA	0	0.0	
26-04-19	11 PM	0	203	201	31	NA	NA	0	0.0	
27-04-19	12 AM	-	-	-	-	-	-	-	-	
27-04-19	1 AM	0	229	254	26	NA	NA	0	0.0	
27-04-19	2 AM	0	89	100	13	NA	NA	0	0.0	
27-04-19	3 AM	-	-	-	-	-	-	-	-	
27-04-19	4 AM	-	-	-	-	-	-	-	-	
27-04-19	5 AM	0	135	164	19	NA	NA	0	0.0	
27-04-19	6 AM	0	282	277	62	NA	NA	0	0.0	Desulphurisation system tripped
27-04-19	7 AM	0	272	272	68	NA	NA	0	0.0	Desulphurisation system tripped
27-04-19	8 AM	0	251	268	41	NA	NA	0	0.0	
27-04-19	9 AM	0	222	260	31	NA	NA	0	0.0	
27-04-19	10 AM	0	223	262	27	NA	NA	0	0.0	
27-04-19	11 AM	0	247	272	23	NA	NA	0	0.0	
27-04-19	12 PM	0	253	274	21	NA	NA	0	0.0	

27-04-19	1 PM	0	239	271	22	NA	NA	0	0.0	
27-04-19	2 PM	0	237	270	22	NA	NA	0	0.0	
27-04-19	3 PM	0	234	269	23	NA	NA	0	0.0	
27-04-19	4 PM	0	229	270	22	NA	NA	0	0.0	
27-04-19	5 PM	0	219	268	22	NA	NA	0	0.0	
27-04-19	6 PM	0	236	271	20	NA	NA	0	0.0	
27-04-19	7 PM	0	228	269	21	NA	NA	0	0.0	
27-04-19	8 PM	0	226	271	20	NA	NA	0	0.0	
27-04-19	9 PM	0	239	276	19	NA	NA	0	0.0	
27-04-19	10 PM	0	241	279	22	NA	NA	0	0.0	
27-04-19	11 PM	0	216	265	28	NA	NA	0	0.0	
28-04-19	12 AM	0	165	233	24	NA	NA	0	0.0	
28-04-19	1 AM	0	193	253	23	NA	NA	0	0.0	
28-04-19	2 AM	0	214	263	21	NA	NA	0	0.0	
28-04-19	3 AM	0	213	268	20	NA	NA	0	0.0	
28-04-19	4 AM	0	209	271	21	NA	NA	0	0.0	
28-04-19	5 AM	0	205	269	21	NA	NA	0	0.0	
28-04-19	6 AM	0	203	267	20	NA	NA	0	0.0	
28-04-19	7 AM	0	198	262	20	NA	NA	0	0.0	
28-04-19	8 AM	0	196	256	20	NA	NA	0	0.0	
28-04-19	9 AM	0	198	258	19	NA	NA	0	0.0	
28-04-19	10 AM	0	200	259	18	NA	NA	0	0.0	
28-04-19	11 AM	0	208	261	18	NA	NA	0	0.0	
28-04-19	12 PM	0	196	256	19	NA	NA	0	0.0	
28-04-19	1 PM	0	173	241	37	NA	NA	0	0.0	
28-04-19	2 PM	0	235	318	70	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May /

										Desulphurisation system tripped
28-04-19	3 PM	0	209	258	56	NA	NA	0	0.0	Desulphurisation system tripped
28-04-19	4 PM	0	213	261	32	NA	NA	0	0.0	
28-04-19	5 PM	0	179	243	25	NA	NA	0	0.0	
28-04-19	6 PM	0	169	236	24	NA	NA	0	0.0	
28-04-19	7 PM	0	164	233	25	NA	NA	0	0.0	
28-04-19	8 PM	0	164	234	27	NA	NA	0	0.0	
28-04-19	9 PM	0	160	230	24	NA	NA	0	0.0	
28-04-19	10 PM	0	95	136	10	NA	NA	0	0.0	
28-04-19	11 PM	-	-	-	-	-	-	-	-	
29-04-19	12 AM	-	-	-	-	-	-	-	-	
29-04-19	1 AM	-	-	-	-	-	-	-	-	
29-04-19	2 AM	-	-	-	-	-	-	-	-	
29-04-19	3 AM	-	-	-	-	-	-	-	-	
29-04-19	4 AM	-	-	-	-	-	-	-	-	
29-04-19	5 AM	-	-	-	-	-	-	-	-	
29-04-19	6 AM	-	-	-	-	-	-	-	-	
29-04-19	7 AM	-	-	-	-	-	-	-	-	
29-04-19	8 AM	-	-	-	-	-	-	-	-	
29-04-19	9 AM	-	-	-	-	-	-	-	-	
29-04-19	10 AM	-	-	-	-	-	-	-	-	
29-04-19	11 AM	-	-	-	-	-	-	-	-	
29-04-19	12 PM	-	-	-	-	-	-	-	-	
29-04-19	1 PM	-	-	-	-	-	-	-	-	
29-04-19	2 PM	-	-	-	-	-	-	-	-	
29-04-19	3 PM	1	202	281	105	NA	NA	0	0.0	Startup of CHP
29-04-19	4 PM	-	-	-	-	-	-	-	-	

29-04-19	5 PM	-	-	-	-	-	-	-	-	
29-04-19	6 PM	-	-	-	-	-	-	-	-	
29-04-19	7 PM	-	-	-	-	-	-	-	-	
29-04-19	8 PM	-	-	-	-	-	-	-	-	
29-04-19	9 PM	-	-	-	-	-	-	-	-	
29-04-19	10 PM	2	243	316	109	NA	NA	0	0.0	Startup of CHP
29-04-19	11 PM	0	218	259	105	NA	NA	0	0.0	Desulphurisation system tripped
30-04-19	12 AM	0	216	239	110	NA	NA	0	0.0	Desulphurisation system tripped
30-04-19	1 AM	0	219	255	115	NA	NA	0	0.0	Desulphurisation system tripped
30-04-19	2 AM	0	219	275	115	NA	NA	0	0.0	Desulphurisation system tripped
30-04-19	3 AM	0	98	122	59	NA	NA	0	0.0	Desulphurisation system tripped
30-04-19	4 AM	0	105	138	59	NA	NA	0	0.0	Desulphurisation system tripped
30-04-19	5 AM	-	-	-	-	-	-	-	-	
30-04-19	6 AM	-	-	-	-	-	-	-	-	
30-04-19	7 AM	0	175	285	79	NA	NA	0	0.0	Startup of CHP
30-04-19	8 AM	-	-	-	-	-	-	-	-	
30-04-19	9 AM	0	76	149	16	NA	NA	0	0.0	
30-04-19	10 AM	-	-	-	-	-	-	-	-	
30-04-19	11 AM	-	-	-	-	-	-	-	-	
30-04-19	12 PM	-	-	-	-	-	-	-	-	
30-04-19	1 PM	-	-	-	-	-	-	-	-	
30-04-19	2 PM	-	-	-	-	-	-	-	-	
30-04-19	3 PM	-	-	-	-	-	-	-	-	
30-04-19	4 PM	-	-	-	-	-	-	-	-	

30-04-19	5 PM	-	-	-	-	-	-	-	-	
30-04-19	6 PM	-	-	-	-	-	-	-	-	
30-04-19	7 PM	-	-	-	-	-	-	-	-	
30-04-19	8 PM	0	88	149	8	NA	NA	0	0.0	
30-04-19	9 PM	0	128	231	18	NA	NA	0	0.0	
30-04-19	10 PM	0	136	233	16	NA	NA	0	0.0	
30-04-19	11 PM	0	137	232	15	NA	NA	0	0.0	

Annex G9

Hourly Average of Parameters Measured in CHP 3

Date	Hour	CHP 3 Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO2	NMVOCs	VOC (including methane)	HCL	HF	
01-04-19	12 AM	-	-	-	-	-	-	-	-	
01-04-19	1 AM	-	-	-	-	-	-	-	-	
01-04-19	2 AM	-	-	-	-	-	-	-	-	
01-04-19	3 AM	-	-	-	-	-	-	-	-	
01-04-19	4 AM	-	-	-	-	-	-	-	-	
01-04-19	5 AM	-	-	-	-	-	-	-	-	
01-04-19	6 AM	-	-	-	-	-	-	-	-	
01-04-19	7 AM	-	-	-	-	-	-	-	-	
01-04-19	8 AM	-	-	-	-	-	-	-	-	
01-04-19	9 AM	-	-	-	-	-	-	-	-	
01-04-19	10 AM	-	-	-	-	-	-	-	-	
01-04-19	11 AM	-	-	-	-	-	-	-	-	
01-04-19	12 PM	-	-	-	-	-	-	-	-	
01-04-19	1 PM	-	-	-	-	-	-	-	-	
01-04-19	2 PM	-	-	-	-	-	-	-	-	
01-04-19	3 PM	-	-	-	-	-	-	-	-	
01-04-19	4 PM	-	-	-	-	-	-	-	-	
01-04-19	5 PM	-	-	-	-	-	-	-	-	
01-04-19	6 PM	-	-	-	-	-	-	-	-	
01-04-19	7 PM	-	-	-	-	-	-	-	-	
01-04-19	8 PM	0	42	167	1	NA	NA	0	0.0	
01-04-19	9 PM	0	34	49	0	NA	NA	0	0.0	
01-04-19	10 PM	0	44	263	2	NA	NA	0	0.0	
01-04-19	11 PM	0	37	49	0	NA	NA	0	0.0	
02-04-19	12 AM	0	42	57	2	NA	NA	0	0.0	

02-04-19	1 AM	-	-	-	-	-	-	-	-	
02-04-19	2 AM	-	-	-	-	-	-	-	-	
02-04-19	3 AM	-	-	-	-	-	-	-	-	
02-04-19	4 AM	-	-	-	-	-	-	-	-	
02-04-19	5 AM	-	-	-	-	-	-	-	-	
02-04-19	6 AM	-	-	-	-	-	-	-	-	
02-04-19	7 AM	-	-	-	-	-	-	-	-	
02-04-19	8 AM	0	324	1680	11	NA	NA	0	0.0	Startup of CHP
02-04-19	9 AM	1	133	265	17	NA	NA	0	0.0	
02-04-19	10 AM	0	46	66	1	NA	NA	0	0.0	
02-04-19	11 AM	2	223	200	21	NA	NA	0	0.0	
02-04-19	12 PM	1	108	91	6	NA	NA	0	0.0	
02-04-19	1 PM	0	57	51	0	NA	NA	0	0.0	
02-04-19	2 PM	0	47	38	0	NA	NA	0	0.0	
02-04-19	3 PM	0	46	38	1	NA	NA	0	0.0	
02-04-19	4 PM	1	157	233	16	NA	NA	0	0.0	
02-04-19	5 PM	1	148	232	16	NA	NA	0	0.0	
02-04-19	6 PM	0	43	33	1	NA	NA	0	0.0	
02-04-19	7 PM	0	51	31	0	NA	NA	0	0.0	
02-04-19	8 PM	0	69	43	1	NA	NA	0	0.0	
02-04-19	9 PM	0	52	29	1	NA	NA	0	0.0	
02-04-19	10 PM	0	71	45	4	NA	NA	0	0.0	
02-04-19	11 PM	0	66	42	3	NA	NA	0	0.0	
03-04-19	12 AM	0	50	24	2	NA	NA	0	0.0	
03-04-19	1 AM	1	184	90	23	NA	NA	0	0.0	
03-04-19	2 AM	2	276	110	94	NA	NA	0	0.0	Desulphurisation system tripped
03-04-19	3 AM	0	67	23	15	NA	NA	0	0.0	
03-04-19	4 AM	0	62	19	2	NA	NA	0	0.0	

03-04-19	5 AM	0	82	35	3	NA	NA	0	0.0	
03-04-19	6 AM	0	62	19	1	NA	NA	0	0.0	
03-04-19	7 AM	0	72	32	1	NA	NA	0	0.0	
03-04-19	8 AM	0	56	26	1	NA	NA	0	0.0	
03-04-19	9 AM	0	55	29	1	NA	NA	0	0.0	
03-04-19	10 AM	0	68	51	1	NA	NA	0	0.0	
03-04-19	11 AM	0	46	46	1	NA	NA	0	0.0	
03-04-19	12 PM	0	63	61	1	NA	NA	0	0.0	
03-04-19	1 PM	0	61	61	1	NA	NA	0	0.0	
03-04-19	2 PM	0	52	51	0	NA	NA	0	0.0	
03-04-19	3 PM	0	60	58	1	NA	NA	0	0.0	
03-04-19	4 PM	1	167	129	10	NA	NA	0	0.0	
03-04-19	5 PM	3	396	255	28	NA	NA	0	0.0	
03-04-19	6 PM	3	114	79	7	NA	NA	0	0.0	
03-04-19	7 PM	2	69	48	1	NA	NA	0	0.0	
03-04-19	8 PM	2	62	44	0	NA	NA	0	0.0	
03-04-19	9 PM	1	61	41	0	NA	NA	0	0.0	
03-04-19	10 PM	1	75	50	0	NA	NA	0	0.0	
03-04-19	11 PM	1	72	47	0	NA	NA	0	0.0	
04-04-19	12 AM	1	69	42	0	NA	NA	0	0.0	
04-04-19	1 AM	1	80	52	0	NA	NA	0	0.0	
04-04-19	2 AM	1	69	46	0	NA	NA	0	0.0	
04-04-19	3 AM	1	64	40	0	NA	NA	0	0.0	
04-04-19	4 AM	1	75	51	0	NA	NA	0	0.0	
04-04-19	5 AM	1	68	47	0	NA	NA	0	0.0	
04-04-19	6 AM	1	64	42	0	NA	NA	0	0.0	
04-04-19	7 AM	2	75	52	0	NA	NA	0	0.0	
04-04-19	8 AM	2	69	48	0	NA	NA	0	0.0	
04-04-19	9 AM	1	71	43	0	NA	NA	0	0.0	

04-04-19	10 AM	2	83	53	0	NA	NA	0	0.0	
04-04-19	11 AM	2	70	46	0	NA	NA	0	0.0	
04-04-19	12 PM	5	273	188	22	NA	NA	0	0.0	
04-04-19	1 PM	5	245	165	31	NA	NA	0	0.0	
04-04-19	2 PM	3	123	99	8	NA	NA	0	0.0	
04-04-19	3 PM	4	238	227	17	NA	NA	0	0.0	
04-04-19	4 PM	4	226	210	16	NA	NA	0	0.0	
04-04-19	5 PM	2	95	72	1	NA	NA	0	0.0	
04-04-19	6 PM	2	75	58	0	NA	NA	0	0.0	
04-04-19	7 PM	-	-	-	-	-	-	-	-	
04-04-19	8 PM	-	-	-	-	-	-	-	-	
04-04-19	9 PM	-	-	-	-	-	-	-	-	
04-04-19	10 PM	-	-	-	-	-	-	-	-	
04-04-19	11 PM	-	-	-	-	-	-	-	-	
05-04-19	12 AM	0	49	142	0	NA	NA	0	0.0	
05-04-19	1 AM	0	69	57	0	NA	NA	0	0.0	
05-04-19	2 AM	0	84	74	0	NA	NA	0	0.0	
05-04-19	3 AM	0	64	56	0	NA	NA	0	0.0	
05-04-19	4 AM	0	69	56	0	NA	NA	0	0.0	
05-04-19	5 AM	0	84	74	0	NA	NA	0	0.0	
05-04-19	6 AM	0	63	56	0	NA	NA	0	0.0	
05-04-19	7 AM	0	67	56	1	NA	NA	0	0.0	
05-04-19	8 AM	0	81	73	1	NA	NA	0	0.0	
05-04-19	9 AM	0	55	45	0	NA	NA	0	0.0	
05-04-19	10 AM	-	-	-	-	-	-	-	-	
05-04-19	11 AM	-	-	-	-	-	-	-	-	
05-04-19	12 PM	-	-	-	-	-	-	-	-	
05-04-19	1 PM	-	-	-	-	-	-	-	-	
05-04-19	2 PM	-	-	-	-	-	-	-	-	

05-04-19	3 PM	-	-	-	-	-	-	-	-	
05-04-19	4 PM	0	66	342	5	NA	NA	0	0.0	Startup of CHP
05-04-19	5 PM	1	142	405	11	NA	NA	0	0.5	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
05-04-19	6 PM	2	235	194	26	NA	NA	0	0.0	
05-04-19	7 PM	2	232	181	22	NA	NA	0	0.0	
05-04-19	8 PM	2	229	176	20	NA	NA	0	0.0	
05-04-19	9 PM	2	215	140	18	NA	NA	0	0.0	
05-04-19	10 PM	2	239	127	21	NA	NA	0	0.0	
05-04-19	11 PM	2	240	127	22	NA	NA	0	0.0	
06-04-19	12 AM	2	223	116	22	NA	NA	0	0.0	
06-04-19	1 AM	2	231	123	21	NA	NA	0	0.0	
06-04-19	2 AM	2	235	127	22	NA	NA	0	0.0	
06-04-19	3 AM	2	229	129	23	NA	NA	0	0.0	
06-04-19	4 AM	2	232	153	43	NA	NA	0	0.0	
06-04-19	5 AM	2	241	162	31	NA	NA	0	0.0	
06-04-19	6 AM	2	237	163	23	NA	NA	0	0.0	
06-04-19	7 AM	2	237	168	21	NA	NA	0	0.0	
06-04-19	8 AM	2	233	196	20	NA	NA	0	0.0	
06-04-19	9 AM	1	234	260	19	NA	NA	0	0.0	
06-04-19	10 AM	1	236	268	18	NA	NA	0	0.0	
06-04-19	11 AM	2	250	278	19	NA	NA	0	0.0	
06-04-19	12 PM	2	253	279	19	NA	NA	0	0.0	
06-04-19	1 PM	2	246	271	18	NA	NA	0	0.0	
06-04-19	2 PM	2	246	274	17	NA	NA	0	0.0	
06-04-19	3 PM	2	245	276	17	NA	NA	0	0.0	
06-04-19	4 PM	2	249	278	16	NA	NA	0	0.0	

06-04-19	5 PM	2	240	267	18	NA	NA	0	0.0	
06-04-19	6 PM	2	216	261	20	NA	NA	0	0.0	
06-04-19	7 PM	1	95	123	10	NA	NA	0	0.0	
06-04-19	8 PM	-	-	-	-	-	-	-	-	
06-04-19	9 PM	-	-	-	-	-	-	-	-	
06-04-19	10 PM	-	-	-	-	-	-	-	-	
06-04-19	11 PM	-	-	-	-	-	-	-	-	
07-04-19	12 AM	-	-	-	-	-	-	-	-	
07-04-19	1 AM	-	-	-	-	-	-	-	-	
07-04-19	2 AM	-	-	-	-	-	-	-	-	
07-04-19	3 AM	-	-	-	-	-	-	-	-	
07-04-19	4 AM	-	-	-	-	-	-	-	-	
07-04-19	5 AM	-	-	-	-	-	-	-	-	
07-04-19	6 AM	-	-	-	-	-	-	-	-	
07-04-19	7 AM	-	-	-	-	-	-	-	-	
07-04-19	8 AM	-	-	-	-	-	-	-	-	
07-04-19	9 AM	-	-	-	-	-	-	-	-	
07-04-19	10 AM	-	-	-	-	-	-	-	-	
07-04-19	11 AM	-	-	-	-	-	-	-	-	
07-04-19	12 PM	-	-	-	-	-	-	-	-	
07-04-19	1 PM	-	-	-	-	-	-	-	-	
07-04-19	2 PM	-	-	-	-	-	-	-	-	
07-04-19	3 PM	-	-	-	-	-	-	-	-	
07-04-19	4 PM	-	-	-	-	-	-	-	-	
07-04-19	5 PM	-	-	-	-	-	-	-	-	
07-04-19	6 PM	-	-	-	-	-	-	-	-	
07-04-19	7 PM	-	-	-	-	-	-	-	-	
07-04-19	8 PM	-	-	-	-	-	-	-	-	
07-04-19	9 PM	-	-	-	-	-	-	-	-	

07-04-19	10 PM	-	-	-	-	-	-	-	-	
07-04-19	11 PM	-	-	-	-	-	-	-	-	
08-04-19	12 AM	-	-	-	-	-	-	-	-	
08-04-19	1 AM	-	-	-	-	-	-	-	-	
08-04-19	2 AM	-	-	-	-	-	-	-	-	
08-04-19	3 AM	-	-	-	-	-	-	-	-	
08-04-19	4 AM	-	-	-	-	-	-	-	-	
08-04-19	5 AM	-	-	-	-	-	-	-	-	
08-04-19	6 AM	-	-	-	-	-	-	-	-	
08-04-19	7 AM	-	-	-	-	-	-	-	-	
08-04-19	8 AM	-	-	-	-	-	-	-	-	
08-04-19	9 AM	-	-	-	-	-	-	-	-	
08-04-19	10 AM	-	-	-	-	-	-	-	-	
08-04-19	11 AM	-	-	-	-	-	-	-	-	
08-04-19	12 PM	-	-	-	-	-	-	-	-	
08-04-19	1 PM	-	-	-	-	-	-	-	-	
08-04-19	2 PM	1	354	310	17	NA	NA	0	1.0	Startup of CHP
08-04-19	3 PM	-	-	-	-	-	-	-	-	
08-04-19	4 PM	2	135	398	51	NA	NA	0	1.5	Startup of CHP
08-04-19	5 PM	2	229	229	38	NA	NA	0	0.0	
08-04-19	6 PM	2	218	237	28	NA	NA	0	0.0	
08-04-19	7 PM	2	206	282	20	NA	NA	0	0.0	
08-04-19	8 PM	2	206	283	17	NA	NA	0	0.0	
08-04-19	9 PM	2	209	279	19	NA	NA	0	0.0	
08-04-19	10 PM	2	202	274	23	NA	NA	0	0.0	
08-04-19	11 PM	2	202	269	24	NA	NA	0	0.0	
09-04-19	12 AM	1	188	255	21	NA	NA	0	0.0	
09-04-19	1 AM	1	203	248	22	NA	NA	0	0.0	
09-04-19	2 AM	1	203	244	23	NA	NA	0	0.0	

09-04-19	3 AM	1	199	258	24	NA	NA	0	0.0	
09-04-19	4 AM	2	206	267	23	NA	NA	0	0.0	
09-04-19	5 AM	2	210	273	22	NA	NA	0	0.0	
09-04-19	6 AM	2	205	275	20	NA	NA	0	0.0	
09-04-19	7 AM	2	203	274	19	NA	NA	0	0.0	
09-04-19	8 AM	2	201	276	18	NA	NA	0	0.0	
09-04-19	9 AM	2	202	281	36	NA	NA	0	0.0	
09-04-19	10 AM	2	214	281	39	NA	NA	0	0.0	
09-04-19	11 AM	1	200	274	23	NA	NA	0	0.0	
09-04-19	12 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	1 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	2 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	3 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	4 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	5 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	6 PM	2	200	272	21	NA	NA	0	0.0	
09-04-19	7 PM	1	100	136	11	NA	NA	0	0.0	
09-04-19	8 PM	-	-	-	-	-	-	-	-	
09-04-19	9 PM	-	-	-	-	-	-	-	-	
09-04-19	10 PM	-	-	-	-	-	-	-	-	
09-04-19	11 PM	-	-	-	-	-	-	-	-	
10-04-19	12 AM	-	-	-	-	-	-	-	-	
10-04-19	1 AM	-	-	-	-	-	-	-	-	
10-04-19	2 AM	-	-	-	-	-	-	-	-	
10-04-19	3 AM	-	-	-	-	-	-	-	-	
10-04-19	4 AM	-	-	-	-	-	-	-	-	
10-04-19	5 AM	-	-	-	-	-	-	-	-	
10-04-19	6 AM	-	-	-	-	-	-	-	-	
10-04-19	7 AM	-	-	-	-	-	-	-	-	

10-04-19	8 AM	1	127	174	15	NA	NA	0	0.0	
10-04-19	9 AM	1	147	185	12	NA	NA	0	0.0	
10-04-19	10 AM	1	100	136	11	NA	NA	0	0.0	
10-04-19	11 AM	2	209	291	23	NA	NA	0	0.0	
10-04-19	12 PM	1	103	141	11	NA	NA	0	0.0	
10-04-19	1 PM	1	200	272	21	NA	NA	0	0.0	
10-04-19	2 PM	1	200	272	21	NA	NA	0	0.0	
10-04-19	3 PM	1	100	136	11	NA	NA	0	0.0	
10-04-19	4 PM	1	0	0	0	NA	NA	0	0.0	
10-04-19	5 PM	-	-	-	-	-	-	-	-	
10-04-19	6 PM	0	42	42	1	NA	NA	0	0.0	
10-04-19	7 PM	-	-	-	-	-	-	-	-	
10-04-19	8 PM	1	101	137	11	NA	NA	0	0.0	
10-04-19	9 PM	1	200	272	21	NA	NA	0	0.0	
10-04-19	10 PM	1	100	136	11	NA	NA	0	0.0	
10-04-19	11 PM	-	-	-	-	-	-	-	-	
11-04-19	12 AM	-	-	-	-	-	-	-	-	
11-04-19	1 AM	-	-	-	-	-	-	-	-	
11-04-19	2 AM	-	-	-	-	-	-	-	-	
11-04-19	3 AM	-	-	-	-	-	-	-	-	
11-04-19	4 AM	-	-	-	-	-	-	-	-	
11-04-19	5 AM	-	-	-	-	-	-	-	-	
11-04-19	6 AM	-	-	-	-	-	-	-	-	
11-04-19	7 AM	-	-	-	-	-	-	-	-	
11-04-19	8 AM	-	-	-	-	-	-	-	-	
11-04-19	9 AM	-	-	-	-	-	-	-	-	
11-04-19	10 AM	-	-	-	-	-	-	-	-	
11-04-19	11 AM	-	-	-	-	-	-	-	-	
11-04-19	12 PM	-	-	-	-	-	-	-	-	

11-04-19	1 PM	-	-	-	-	-	-	-	-	
11-04-19	2 PM	-	-	-	-	-	-	-	-	
11-04-19	3 PM	-	-	-	-	-	-	-	-	
11-04-19	4 PM	-	-	-	-	-	-	-	-	
11-04-19	5 PM	-	-	-	-	-	-	-	-	
11-04-19	6 PM	-	-	-	-	-	-	-	-	
11-04-19	7 PM	-	-	-	-	-	-	-	-	
11-04-19	8 PM	-	-	-	-	-	-	-	-	
11-04-19	9 PM	-	-	-	-	-	-	-	-	
11-04-19	10 PM	-	-	-	-	-	-	-	-	
11-04-19	11 PM	-	-	-	-	-	-	-	-	
12-04-19	12 AM	-	-	-	-	-	-	-	-	
12-04-19	1 AM	-	-	-	-	-	-	-	-	
12-04-19	2 AM	-	-	-	-	-	-	-	-	
12-04-19	3 AM	-	-	-	-	-	-	-	-	
12-04-19	4 AM	-	-	-	-	-	-	-	-	
12-04-19	5 AM	-	-	-	-	-	-	-	-	
12-04-19	6 AM	-	-	-	-	-	-	-	-	
12-04-19	7 AM	-	-	-	-	-	-	-	-	
12-04-19	8 AM	-	-	-	-	-	-	-	-	
12-04-19	9 AM	-	-	-	-	-	-	-	-	
12-04-19	10 AM	-	-	-	-	-	-	-	-	
12-04-19	11 AM	-	-	-	-	-	-	-	-	
12-04-19	12 PM	12	0	0	0	NA	NA	0	0.0	
12-04-19	1 PM	4	263	292	20	NA	NA	0	0.0	
12-04-19	2 PM	3	386	308	15	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May

12-04-19	3 PM	2	324	285	18	NA	NA	0	0.0	
12-04-19	4 PM	2	266	271	18	NA	NA	0	0.0	
12-04-19	5 PM	2	270	272	18	NA	NA	0	0.0	
12-04-19	6 PM	2	258	265	19	NA	NA	0	0.0	
12-04-19	7 PM	1	0	0	0	NA	NA	0	0.0	
12-04-19	8 PM	-	-	-	-	-	-	-	-	
12-04-19	9 PM	-	-	-	-	-	-	-	-	
12-04-19	10 PM	-	-	-	-	-	-	-	-	
12-04-19	11 PM	1	0	0	0	NA	NA	0	0.0	
13-04-19	12 AM	2	224	294	23	NA	NA	0	0.0	
13-04-19	1 AM	2	200	272	21	NA	NA	0	0.0	
13-04-19	2 AM	2	312	409	39	NA	NA	0	0.0	Setting on CHP maybe shifted and is arranged to re-adjust the setting in May
13-04-19	3 AM	2	214	291	24	NA	NA	0	0.0	
13-04-19	4 AM	1	100	136	11	NA	NA	0	0.0	
13-04-19	5 AM	-	-	-	-	-	-	-	-	
13-04-19	6 AM	-	-	-	-	-	-	-	-	
13-04-19	7 AM	-	-	-	-	-	-	-	-	
13-04-19	8 AM	-	-	-	-	-	-	-	-	
13-04-19	9 AM	-	-	-	-	-	-	-	-	
13-04-19	10 AM	-	-	-	-	-	-	-	-	
13-04-19	11 AM	-	-	-	-	-	-	-	-	
13-04-19	12 PM	-	-	-	-	-	-	-	-	
13-04-19	1 PM	0	113	149	8	NA	NA	0	0.0	
13-04-19	2 PM	-	-	-	-	-	-	-	-	
13-04-19	3 PM	-	-	-	-	-	-	-	-	
13-04-19	4 PM	-	-	-	-	-	-	-	-	

13-04-19	5 PM	-	-	-	-	-	-	-	-	
13-04-19	6 PM	0	46	54	2	NA	NA	0	0.0	
13-04-19	7 PM	-	-	-	-	-	-	-	-	
13-04-19	8 PM	-	-	-	-	-	-	-	-	
13-04-19	9 PM	-	-	-	-	-	-	-	-	
13-04-19	10 PM	-	-	-	-	-	-	-	-	
13-04-19	11 PM	-	-	-	-	-	-	-	-	
14-04-19	12 AM	-	-	-	-	-	-	-	-	
14-04-19	1 AM	-	-	-	-	-	-	-	-	
14-04-19	2 AM	-	-	-	-	-	-	-	-	
14-04-19	3 AM	-	-	-	-	-	-	-	-	
14-04-19	4 AM	-	-	-	-	-	-	-	-	
14-04-19	5 AM	-	-	-	-	-	-	-	-	
14-04-19	6 AM	0	9	6	0	NA	NA	0	0.0	
14-04-19	7 AM	2	256	249	30	NA	NA	0	0.0	
14-04-19	8 AM	2	306	264	35	NA	NA	0	0.0	
14-04-19	9 AM	2	313	269	35	NA	NA	0	0.0	
14-04-19	10 AM	2	340	281	28	NA	NA	0	0.0	
14-04-19	11 AM	1	176	145	13	NA	NA	0	0.0	
14-04-19	12 PM	-	-	-	-	-	-	-	-	
14-04-19	1 PM	-	-	-	-	-	-	-	-	
14-04-19	2 PM	-	-	-	-	-	-	-	-	
14-04-19	3 PM	-	-	-	-	-	-	-	-	
14-04-19	4 PM	-	-	-	-	-	-	-	-	
14-04-19	5 PM	-	-	-	-	-	-	-	-	
14-04-19	6 PM	-	-	-	-	-	-	-	-	
14-04-19	7 PM	-	-	-	-	-	-	-	-	
14-04-19	8 PM	-	-	-	-	-	-	-	-	
14-04-19	9 PM	-	-	-	-	-	-	-	-	

14-04-19	10 PM	-	-	-	-	-	-	-	-	
14-04-19	11 PM	-	-	-	-	-	-	-	-	
15-04-19	12 AM	-	-	-	-	-	-	-	-	
15-04-19	1 AM	-	-	-	-	-	-	-	-	
15-04-19	2 AM	-	-	-	-	-	-	-	-	
15-04-19	3 AM	-	-	-	-	-	-	-	-	
15-04-19	4 AM	-	-	-	-	-	-	-	-	
15-04-19	5 AM	-	-	-	-	-	-	-	-	
15-04-19	6 AM	-	-	-	-	-	-	-	-	
15-04-19	7 AM	-	-	-	-	-	-	-	-	
15-04-19	8 AM	-	-	-	-	-	-	-	-	
15-04-19	9 AM	-	-	-	-	-	-	-	-	
15-04-19	10 AM	-	-	-	-	-	-	-	-	
15-04-19	11 AM	-	-	-	-	-	-	-	-	
15-04-19	12 PM	-	-	-	-	-	-	-	-	
15-04-19	1 PM	-	-	-	-	-	-	-	-	
15-04-19	2 PM	0	26	30	0	NA	NA	0	0.0	
15-04-19	3 PM	-	-	-	-	-	-	-	-	
15-04-19	4 PM	-	-	-	-	-	-	-	-	
15-04-19	5 PM	-	-	-	-	-	-	-	-	
15-04-19	6 PM	-	-	-	-	-	-	-	-	
15-04-19	7 PM	-	-	-	-	-	-	-	-	
15-04-19	8 PM	-	-	-	-	-	-	-	-	
15-04-19	9 PM	-	-	-	-	-	-	-	-	
15-04-19	10 PM	-	-	-	-	-	-	-	-	
15-04-19	11 PM	-	-	-	-	-	-	-	-	
16-04-19	12 AM	-	-	-	-	-	-	-	-	
16-04-19	1 AM	-	-	-	-	-	-	-	-	
16-04-19	2 AM	-	-	-	-	-	-	-	-	

16-04-19	3 AM	-	-	-	-	-	-	-	-	
16-04-19	4 AM	-	-	-	-	-	-	-	-	
16-04-19	5 AM	-	-	-	-	-	-	-	-	
16-04-19	6 AM	-	-	-	-	-	-	-	-	
16-04-19	7 AM	-	-	-	-	-	-	-	-	
16-04-19	8 AM	-	-	-	-	-	-	-	-	
16-04-19	9 AM	-	-	-	-	-	-	-	-	
16-04-19	10 AM	-	-	-	-	-	-	-	-	
16-04-19	11 AM	-	-	-	-	-	-	-	-	
16-04-19	12 PM	-	-	-	-	-	-	-	-	
16-04-19	1 PM	-	-	-	-	-	-	-	-	
16-04-19	2 PM	-	-	-	-	-	-	-	-	
16-04-19	3 PM	-	-	-	-	-	-	-	-	
16-04-19	4 PM	-	-	-	-	-	-	-	-	
16-04-19	5 PM	-	-	-	-	-	-	-	-	
16-04-19	6 PM	-	-	-	-	-	-	-	-	
16-04-19	7 PM	-	-	-	-	-	-	-	-	
16-04-19	8 PM	-	-	-	-	-	-	-	-	
16-04-19	9 PM	-	-	-	-	-	-	-	-	
16-04-19	10 PM	-	-	-	-	-	-	-	-	
16-04-19	11 PM	-	-	-	-	-	-	-	-	
17-04-19	12 AM	-	-	-	-	-	-	-	-	
17-04-19	1 AM	-	-	-	-	-	-	-	-	
17-04-19	2 AM	-	-	-	-	-	-	-	-	
17-04-19	3 AM	-	-	-	-	-	-	-	-	
17-04-19	4 AM	-	-	-	-	-	-	-	-	
17-04-19	5 AM	-	-	-	-	-	-	-	-	
17-04-19	6 AM	-	-	-	-	-	-	-	-	
17-04-19	7 AM	-	-	-	-	-	-	-	-	

17-04-19	8 AM	-	-	-	-	-	-	-	-	
17-04-19	9 AM	-	-	-	-	-	-	-	-	
17-04-19	10 AM	-	-	-	-	-	-	-	-	
17-04-19	11 AM	-	-	-	-	-	-	-	-	
17-04-19	12 PM	-	-	-	-	-	-	-	-	
17-04-19	1 PM	-	-	-	-	-	-	-	-	
17-04-19	2 PM	-	-	-	-	-	-	-	-	
17-04-19	3 PM	-	-	-	-	-	-	-	-	
17-04-19	4 PM	1	106	1169	33	NA	NA	0	1.0	Startup of CHP
17-04-19	5 PM	0	1	0	0	NA	NA	0	0.0	
17-04-19	6 PM	-	-	-	-	-	-	-	-	
17-04-19	7 PM	-	-	-	-	-	-	-	-	
17-04-19	8 PM	-	-	-	-	-	-	-	-	
17-04-19	9 PM	-	-	-	-	-	-	-	-	
17-04-19	10 PM	-	-	-	-	-	-	-	-	
17-04-19	11 PM	-	-	-	-	-	-	-	-	
18-04-19	12 AM	-	-	-	-	-	-	-	-	
18-04-19	1 AM	-	-	-	-	-	-	-	-	
18-04-19	2 AM	-	-	-	-	-	-	-	-	
18-04-19	3 AM	-	-	-	-	-	-	-	-	
18-04-19	4 AM	-	-	-	-	-	-	-	-	
18-04-19	5 AM	-	-	-	-	-	-	-	-	
18-04-19	6 AM	-	-	-	-	-	-	-	-	
18-04-19	7 AM	-	-	-	-	-	-	-	-	
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18-04-19	11 AM	-	-	-	-	-	-	-	-	
18-04-19	12 PM	-	-	-	-	-	-	-	-	

18-04-19	1 PM	-	-	-	-	-	-	-	-	
18-04-19	2 PM	-	-	-	-	-	-	-	-	
18-04-19	3 PM	-	-	-	-	-	-	-	-	
18-04-19	4 PM	-	-	-	-	-	-	-	-	
18-04-19	5 PM	-	-	-	-	-	-	-	-	
18-04-19	6 PM	-	-	-	-	-	-	-	-	
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18-04-19	9 PM	-	-	-	-	-	-	-	-	
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19-04-19	2 PM	-	-	-	-	-	-	-	-	
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20-04-19	12 AM	-	-	-	-	-	-	-	-	
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22-04-19	12 AM	-	-	-	-	-	-	-	-	
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22-04-19	3 AM	-	-	-	-	-	-	-	-	

22-04-19	4 AM	-	-	-	-	-	-	-	-	
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22-04-19	1 PM	-	-	-	-	-	-	-	-	
22-04-19	2 PM	-	-	-	-	-	-	-	-	
22-04-19	3 PM	-	-	-	-	-	-	-	-	
22-04-19	4 PM	-	-	-	-	-	-	-	-	
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23-04-19	1 PM	-	-	-	-	-	-	-	-	
23-04-19	2 PM	-	-	-	-	-	-	-	-	
23-04-19	3 PM	-	-	-	-	-	-	-	-	
23-04-19	4 PM	-	-	-	-	-	-	-	-	
23-04-19	5 PM	-	-	-	-	-	-	-	-	
23-04-19	6 PM	-	-	-	-	-	-	-	-	
23-04-19	7 PM	-	-	-	-	-	-	-	-	
23-04-19	8 PM	-	-	-	-	-	-	-	-	
23-04-19	9 PM	-	-	-	-	-	-	-	-	
23-04-19	10 PM	-	-	-	-	-	-	-	-	
23-04-19	11 PM	-	-	-	-	-	-	-	-	
24-04-19	12 AM	-	-	-	-	-	-	-	-	
24-04-19	1 AM	-	-	-	-	-	-	-	-	
24-04-19	2 AM	-	-	-	-	-	-	-	-	
24-04-19	3 AM	-	-	-	-	-	-	-	-	
24-04-19	4 AM	-	-	-	-	-	-	-	-	
24-04-19	5 AM	-	-	-	-	-	-	-	-	
24-04-19	6 AM	-	-	-	-	-	-	-	-	
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24-04-19	8 AM	-	-	-	-	-	-	-	-	
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24-04-19	10 AM	-	-	-	-	-	-	-	-	
24-04-19	11 AM	-	-	-	-	-	-	-	-	
24-04-19	12 PM	-	-	-	-	-	-	-	-	
24-04-19	1 PM	-	-	-	-	-	-	-	-	

24-04-19	2 PM	-	-	-	-	-	-	-	-	
24-04-19	3 PM	-	-	-	-	-	-	-	-	
24-04-19	4 PM	-	-	-	-	-	-	-	-	
24-04-19	5 PM	-	-	-	-	-	-	-	-	
24-04-19	6 PM	-	-	-	-	-	-	-	-	
24-04-19	7 PM	-	-	-	-	-	-	-	-	
24-04-19	8 PM	-	-	-	-	-	-	-	-	
24-04-19	9 PM	-	-	-	-	-	-	-	-	
24-04-19	10 PM	-	-	-	-	-	-	-	-	
24-04-19	11 PM	-	-	-	-	-	-	-	-	
25-04-19	12 AM	-	-	-	-	-	-	-	-	
25-04-19	1 AM	-	-	-	-	-	-	-	-	
25-04-19	2 AM	-	-	-	-	-	-	-	-	
25-04-19	3 AM	-	-	-	-	-	-	-	-	
25-04-19	4 AM	-	-	-	-	-	-	-	-	
25-04-19	5 AM	-	-	-	-	-	-	-	-	
25-04-19	6 AM	-	-	-	-	-	-	-	-	
25-04-19	7 AM	-	-	-	-	-	-	-	-	
25-04-19	8 AM	-	-	-	-	-	-	-	-	
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25-04-19	10 AM	-	-	-	-	-	-	-	-	
25-04-19	11 AM	-	-	-	-	-	-	-	-	
25-04-19	12 PM	-	-	-	-	-	-	-	-	
25-04-19	1 PM	-	-	-	-	-	-	-	-	
25-04-19	2 PM	-	-	-	-	-	-	-	-	
25-04-19	3 PM	-	-	-	-	-	-	-	-	
25-04-19	4 PM	-	-	-	-	-	-	-	-	
25-04-19	5 PM	-	-	-	-	-	-	-	-	
25-04-19	6 PM	-	-	-	-	-	-	-	-	

25-04-19	7 PM	-	-	-	-	-	-	-	-	
25-04-19	8 PM	-	-	-	-	-	-	-	-	
25-04-19	9 PM	-	-	-	-	-	-	-	-	
25-04-19	10 PM	-	-	-	-	-	-	-	-	
25-04-19	11 PM	-	-	-	-	-	-	-	-	
26-04-19	12 AM	-	-	-	-	-	-	-	-	
26-04-19	1 AM	-	-	-	-	-	-	-	-	
26-04-19	2 AM	-	-	-	-	-	-	-	-	
26-04-19	3 AM	-	-	-	-	-	-	-	-	
26-04-19	4 AM	-	-	-	-	-	-	-	-	
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26-04-19	10 AM	-	-	-	-	-	-	-	-	
26-04-19	11 AM	-	-	-	-	-	-	-	-	
26-04-19	12 PM	-	-	-	-	-	-	-	-	
26-04-19	1 PM	-	-	-	-	-	-	-	-	
26-04-19	2 PM	-	-	-	-	-	-	-	-	
26-04-19	3 PM	-	-	-	-	-	-	-	-	
26-04-19	4 PM	-	-	-	-	-	-	-	-	
26-04-19	5 PM	-	-	-	-	-	-	-	-	
26-04-19	6 PM	-	-	-	-	-	-	-	-	
26-04-19	7 PM	-	-	-	-	-	-	-	-	
26-04-19	8 PM	1	119	532	28	NA	NA	0	1.5	Startup of CHP / (Sensor fault) HF interferences by other gases

26-04-19	9 PM	-	-	-	-	-	-	-	-	
26-04-19	10 PM	-	-	-	-	-	-	-	-	
26-04-19	11 PM	-	-	-	-	-	-	-	-	
27-04-19	12 AM	-	-	-	-	-	-	-	-	
27-04-19	1 AM	-	-	-	-	-	-	-	-	
27-04-19	2 AM	-	-	-	-	-	-	-	-	
27-04-19	3 AM	-	-	-	-	-	-	-	-	
27-04-19	4 AM	-	-	-	-	-	-	-	-	
27-04-19	5 AM	-	-	-	-	-	-	-	-	
27-04-19	6 AM	-	-	-	-	-	-	-	-	
27-04-19	7 AM	-	-	-	-	-	-	-	-	
27-04-19	8 AM	-	-	-	-	-	-	-	-	
27-04-19	9 AM	-	-	-	-	-	-	-	-	
27-04-19	10 AM	-	-	-	-	-	-	-	-	
27-04-19	11 AM	-	-	-	-	-	-	-	-	
27-04-19	12 PM	-	-	-	-	-	-	-	-	
27-04-19	1 PM	-	-	-	-	-	-	-	-	
27-04-19	2 PM	-	-	-	-	-	-	-	-	
27-04-19	3 PM	-	-	-	-	-	-	-	-	
27-04-19	4 PM	-	-	-	-	-	-	-	-	
27-04-19	5 PM	-	-	-	-	-	-	-	-	
27-04-19	6 PM	-	-	-	-	-	-	-	-	
27-04-19	7 PM	-	-	-	-	-	-	-	-	
27-04-19	8 PM	-	-	-	-	-	-	-	-	
27-04-19	9 PM	-	-	-	-	-	-	-	-	
27-04-19	10 PM	-	-	-	-	-	-	-	-	
27-04-19	11 PM	-	-	-	-	-	-	-	-	
28-04-19	12 AM	-	-	-	-	-	-	-	-	
28-04-19	1 AM	-	-	-	-	-	-	-	-	

28-04-19	2 AM	-	-	-	-	-	-	-	-	
28-04-19	3 AM	-	-	-	-	-	-	-	-	
28-04-19	4 AM	-	-	-	-	-	-	-	-	
28-04-19	5 AM	-	-	-	-	-	-	-	-	
28-04-19	6 AM	-	-	-	-	-	-	-	-	
28-04-19	7 AM	-	-	-	-	-	-	-	-	
28-04-19	8 AM	-	-	-	-	-	-	-	-	
28-04-19	9 AM	-	-	-	-	-	-	-	-	
28-04-19	10 AM	-	-	-	-	-	-	-	-	
28-04-19	11 AM	-	-	-	-	-	-	-	-	
28-04-19	12 PM	-	-	-	-	-	-	-	-	
28-04-19	1 PM	-	-	-	-	-	-	-	-	
28-04-19	2 PM	-	-	-	-	-	-	-	-	
28-04-19	3 PM	-	-	-	-	-	-	-	-	
28-04-19	4 PM	-	-	-	-	-	-	-	-	
28-04-19	5 PM	-	-	-	-	-	-	-	-	
28-04-19	6 PM	-	-	-	-	-	-	-	-	
28-04-19	7 PM	-	-	-	-	-	-	-	-	
28-04-19	8 PM	-	-	-	-	-	-	-	-	
28-04-19	9 PM	-	-	-	-	-	-	-	-	
28-04-19	10 PM	-	-	-	-	-	-	-	-	
28-04-19	11 PM	-	-	-	-	-	-	-	-	
29-04-19	12 AM	-	-	-	-	-	-	-	-	
29-04-19	1 AM	-	-	-	-	-	-	-	-	
29-04-19	2 AM	-	-	-	-	-	-	-	-	
29-04-19	3 AM	-	-	-	-	-	-	-	-	
29-04-19	4 AM	-	-	-	-	-	-	-	-	
29-04-19	5 AM	-	-	-	-	-	-	-	-	
29-04-19	6 AM	-	-	-	-	-	-	-	-	

29-04-19	7 AM	-	-	-	-	-	-	-	-	
29-04-19	8 AM	-	-	-	-	-	-	-	-	
29-04-19	9 AM	-	-	-	-	-	-	-	-	
29-04-19	10 AM	-	-	-	-	-	-	-	-	
29-04-19	11 AM	-	-	-	-	-	-	-	-	
29-04-19	12 PM	-	-	-	-	-	-	-	-	
29-04-19	1 PM	-	-	-	-	-	-	-	-	
29-04-19	2 PM	-	-	-	-	-	-	-	-	
29-04-19	3 PM	-	-	-	-	-	-	-	-	
29-04-19	4 PM	-	-	-	-	-	-	-	-	
29-04-19	5 PM	-	-	-	-	-	-	-	-	
29-04-19	6 PM	-	-	-	-	-	-	-	-	
29-04-19	7 PM	-	-	-	-	-	-	-	-	
29-04-19	8 PM	-	-	-	-	-	-	-	-	
29-04-19	9 PM	-	-	-	-	-	-	-	-	
29-04-19	10 PM	-	-	-	-	-	-	-	-	
29-04-19	11 PM	-	-	-	-	-	-	-	-	
30-04-19	12 AM	-	-	-	-	-	-	-	-	
30-04-19	1 AM	-	-	-	-	-	-	-	-	
30-04-19	2 AM	-	-	-	-	-	-	-	-	
30-04-19	3 AM	-	-	-	-	-	-	-	-	
30-04-19	4 AM	-	-	-	-	-	-	-	-	
30-04-19	5 AM	-	-	-	-	-	-	-	-	
30-04-19	6 AM	-	-	-	-	-	-	-	-	
30-04-19	7 AM	-	-	-	-	-	-	-	-	
30-04-19	8 AM	-	-	-	-	-	-	-	-	
30-04-19	9 AM	-	-	-	-	-	-	-	-	
30-04-19	10 AM	-	-	-	-	-	-	-	-	
30-04-19	11 AM	-	-	-	-	-	-	-	-	

30-04-19	12 PM	-	-	-	-	-	-	-	-	
30-04-19	1 PM	-	-	-	-	-	-	-	-	
30-04-19	2 PM	-	-	-	-	-	-	-	-	
30-04-19	3 PM	-	-	-	-	-	-	-	-	
30-04-19	4 PM	-	-	-	-	-	-	-	-	
30-04-19	5 PM	-	-	-	-	-	-	-	-	
30-04-19	6 PM	-	-	-	-	-	-	-	-	
30-04-19	7 PM	-	-	-	-	-	-	-	-	
30-04-19	8 PM	-	-	-	-	-	-	-	-	
30-04-19	9 PM	-	-	-	-	-	-	-	-	
30-04-19	10 PM	-	-	-	-	-	-	-	-	
30-04-19	11 PM	-	-	-	-	-	-	-	-	

Annex G10

Hourly Average of Parameters Measured in ASP

Date	Hour	ASP Hourly Average (mg/Nm^3) Note: "-" represents non-operating hour								Remarks
		Dust	CO	NOx	SO_2	VOCs (including methane)	NH_3	HCL	HF	
01-04-19	12 AM	3	0	39	8	0	9	0	0.0	
01-04-19	1 AM	3	0	32	8	1	30	0	0.0	
01-04-19	2 AM	3	0	23	7	0	101	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	3 AM	3	0	19	6	1	164	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	4 AM	3	0	14	5	1	193	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	5 AM	3	0	21	6	1	191	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
01-04-19	6 AM	3	0	66	4	0	41	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	7 AM	3	0	74	2	0	22	0	0.0	
01-04-19	8 AM	3	0	83	1	0	15	0	0.0	
01-04-19	9 AM	3	0	40	0	1	27	0	0.0	
01-04-19	10 AM	3	0	39	1	0	40	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	11 AM	3	0	39	0	1	39	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	12 PM	3	0	17	0	3	224	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
01-04-19	1 PM	3	0	99	0	0	30	0	0.0	
01-04-19	2 PM	3	0	81	0	1	16	0	0.0	
01-04-19	3 PM	3	0	68	0	0	14	0	0.0	
01-04-19	4 PM	3	0	123	27	1	10	0	0.0	
01-04-19	5 PM	0	0	0	0	1	112	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	6 PM	0	0	0	0	0	87	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
01-04-19	7 PM	0	0	11	0	2	14	0	0.0	
01-04-19	8 PM	0	0	0	0	1	4	0	0.0	
01-04-19	9 PM	0	0	1	0	0	3	0	0.0	
01-04-19	10 PM	0	0	10	0	2	3	0	0.0	
01-04-19	11 PM	0	0	0	0	0	3	0	0.0	
02-04-19	12 AM	0	0	0	0	2	3	0	0.0	
02-04-19	1 AM	2	0	18	3	1	59	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
02-04-19	2 AM	3	0	51	8	0	51	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
02-04-19	3 AM	3	0	28	11	0	88	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
02-04-19	4 AM	3	0	29	6	0	98	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
02-04-19	5 AM	3	0	59	3	1	45	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
02-04-19	6 AM	3	0	66	1	0	26	0	0.0	
02-04-19	7 AM	3	0	51	0	1	28	0	0.0	

02-04-19	8 AM	0	19	11	0	20	503	0	0.0	ASP tripped and stopped
02-04-19	9 AM	-	-	-	-	-	-	-	-	
02-04-19	10 AM	0	2	12	0	2	32	0	0.0	
02-04-19	11 AM	1	0	98	1	0	19	0	0.0	
02-04-19	12 PM	0	0	30	0	0	5	0	0.0	
02-04-19	1 PM	0	0	19	0	0	2	0	0.0	
02-04-19	2 PM	0	0	9	0	0	2	0	0.0	
02-04-19	3 PM	0	0	16	0	1	2	0	0.0	
02-04-19	4 PM	-	-	-	-	-	-	-	-	
02-04-19	5 PM	0	0	0	0	1	150	0	0.0	Startup / Restart of ASP
02-04-19	6 PM	0	0	3	0	0	27	0	0.0	
02-04-19	7 PM	0	0	0	0	1	12	0	0.0	
02-04-19	8 PM	0	0	1	0	1	9	0	0.0	
02-04-19	9 PM	0	0	6	0	1	5	0	0.0	
02-04-19	10 PM	0	0	8	0	1	3	0	0.0	
02-04-19	11 PM	0	0	5	0	0	3	0	0.0	
03-04-19	12 AM	0	0	14	0	0	3	0	0.0	
03-04-19	1 AM	1	0	111	7	0	8	0	0.0	
03-04-19	2 AM	1	0	139	48	0	8	0	0.0	
03-04-19	3 AM	0	0	17	7	1	1	0	0.0	
03-04-19	4 AM	0	0	20	0	0	2	0	0.0	
03-04-19	5 AM	0	0	10	0	0	3	0	0.0	
03-04-19	6 AM	0	0	21	0	0	131	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
03-04-19	7 AM	0	0	26	0	0	6	0	0.0	
03-04-19	8 AM	0	0	23	0	1	3	0	0.0	
03-04-19	9 AM	0	0	37	0	0	3	0	0.0	
03-04-19	10 AM	0	0	25	0	1	2	0	0.0	
03-04-19	11 AM	0	0	73	2	0	3	0	0.0	
03-04-19	12 PM	0	0	35	0	0	1	0	0.0	
03-04-19	1 PM	0	0	18	0	0	1	0	0.0	
03-04-19	2 PM	0	0	41	0	0	1	0	0.0	
03-04-19	3 PM	0	0	32	0	1	1	0	0.0	
03-04-19	4 PM	0	0	50	0	1	1	0	0.0	
03-04-19	5 PM	2	0	190	0	0	3	0	0.0	
03-04-19	6 PM	0	0	41	0	0	0	0	0.0	
03-04-19	7 PM	0	0	29	0	2	0	0	0.0	
03-04-19	8 PM	0	0	25	0	1	0	0	0.0	
03-04-19	9 PM	0	0	29	0	1	0	0	0.0	
03-04-19	10 PM	0	0	19	0	0	0	0	0.0	
03-04-19	11 PM	0	0	4	0	0	0	0	0.0	
04-04-19	12 AM	0	0	10	0	0	0	0	0.0	
04-04-19	1 AM	0	0	13	0	0	0	0	0.0	
04-04-19	2 AM	0	0	15	0	1	0	0	0.0	
04-04-19	3 AM	0	0	23	0	0	0	0	0.0	
04-04-19	4 AM	0	0	23	0	1	0	0	0.0	
04-04-19	5 AM	0	0	23	0	1	0	0	0.0	
04-04-19	6 AM	0	0	26	0	0	0	0	0.0	
04-04-19	7 AM	0	0	24	0	1	0	0	0.0	
04-04-19	8 AM	0	0	25	0	1	0	0	0.0	
04-04-19	9 AM	0	0	17	0	0	0	0	0.0	

04-04-19	10 AM	0	0	22	0	0	0	0	0.0	
04-04-19	11 AM	0	0	25	0	0	0	0	0.0	
04-04-19	12 PM	0	0	87	1	0	1	0	0.0	
04-04-19	1 PM	0	0	48	0	0	1	0	0.0	
04-04-19	2 PM	0	0	19	0	1	0	0	0.0	
04-04-19	3 PM	-	-	-	-	-	-	-	-	
04-04-19	4 PM	-	-	-	-	-	-	-	-	
04-04-19	5 PM	0	0	0	0	1	8	0	0.0	
04-04-19	6 PM	0	0	73	0	1	3	0	0.0	
04-04-19	7 PM	0	0	33	0	3	1	0	0.0	
04-04-19	8 PM	0	0	38	0	1	1	0	0.0	
04-04-19	9 PM	0	0	35	0	1	1	0	0.0	
04-04-19	10 PM	0	0	22	0	0	1	0	0.0	
04-04-19	11 PM	0	0	21	0	0	1	0	0.0	
05-04-19	12 AM	1	0	89	0	0	3	0	0.0	
05-04-19	1 AM	0	0	8	0	2	1	0	0.0	
05-04-19	2 AM	0	0	4	0	0	1	0	0.0	
05-04-19	3 AM	0	0	3	0	0	1	0	0.0	
05-04-19	4 AM	0	0	7	0	0	1	0	0.0	
05-04-19	5 AM	0	0	0	0	0	1	0	0.0	
05-04-19	6 AM	0	0	0	0	0	1	0	0.0	
05-04-19	7 AM	0	0	0	0	0	1	0	0.0	
05-04-19	8 AM	0	0	0	0	1	1	0	0.0	
05-04-19	9 AM	0	0	0	0	0	1	0	0.0	
05-04-19	10 AM	1	0	73	2	0	4	0	0.0	
05-04-19	11 AM	0	0	2	0	2	1	0	0.0	
05-04-19	12 PM	0	0	6	0	0	0	0	0.0	
05-04-19	1 PM	-	-	-	-	-	-	-	-	
05-04-19	2 PM	-	-	-	-	-	-	-	-	

05-04-19	3 PM	-	-	-	-	-	-	-	-	
05-04-19	4 PM	0	2	24	0	0	94	0	0.0	Startup / Restart of ASP
05-04-19	5 PM	1	0	171	1	0	21	0	0.0	
05-04-19	6 PM	-	-	-	-	-	-	-	-	
05-04-19	7 PM	-	-	-	-	-	-	-	-	
05-04-19	8 PM	-	-	-	-	-	-	-	-	
05-04-19	9 PM	-	-	-	-	-	-	-	-	
05-04-19	10 PM	-	-	-	-	-	-	-	-	
05-04-19	11 PM	-	-	-	-	-	-	-	-	
06-04-19	12 AM	-	-	-	-	-	-	-	-	
06-04-19	1 AM	-	-	-	-	-	-	-	-	
06-04-19	2 AM	-	-	-	-	-	-	-	-	
06-04-19	3 AM	-	-	-	-	-	-	-	-	
06-04-19	4 AM	-	-	-	-	-	-	-	-	
06-04-19	5 AM	-	-	-	-	-	-	-	-	
06-04-19	6 AM	-	-	-	-	-	-	-	-	
06-04-19	7 AM	-	-	-	-	-	-	-	-	
06-04-19	8 AM	-	-	-	-	-	-	-	-	
06-04-19	9 AM	-	-	-	-	-	-	-	-	
06-04-19	10 AM	-	-	-	-	-	-	-	-	
06-04-19	11 AM	-	-	-	-	-	-	-	-	
06-04-19	12 PM	-	-	-	-	-	-	-	-	
06-04-19	1 PM	-	-	-	-	-	-	-	-	
06-04-19	2 PM	-	-	-	-	-	-	-	-	
06-04-19	3 PM	-	-	-	-	-	-	-	-	
06-04-19	4 PM	-	-	-	-	-	-	-	-	
06-04-19	5 PM	-	-	-	-	-	-	-	-	
06-04-19	6 PM	-	-	-	-	-	-	-	-	

06-04-19	7 PM	1	0	166	0	0	11	0	0.5	
06-04-19	8 PM	2	0	258	0	0	15	0	0.0	Startup / Restart of ASP
06-04-19	9 PM	2	0	171	1	0	12	0	0.0	
06-04-19	10 PM	1	0	67	0	1	6	0	0.0	
06-04-19	11 PM	3	0	290	7	0	16	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
07-04-19	12 AM	3	0	95	11	0	15	0	0.0	
07-04-19	1 AM	3	0	68	13	0	16	0	0.0	
07-04-19	2 AM	3	0	184	10	0	10	0	0.0	
07-04-19	3 AM	3	0	262	8	0	9	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
07-04-19	4 AM	2	0	153	3	0	5	0	0.0	
07-04-19	5 AM	2	0	95	2	2	3	0	0.0	
07-04-19	6 AM	2	0	93	0	0	4	0	0.0	
07-04-19	7 AM	2	0	61	1	1	4	0	0.0	
07-04-19	8 AM	3	0	102	1	0	7	0	0.0	
07-04-19	9 AM	-	-	-	-	-	-	-	-	
07-04-19	10 AM	1	0	44	1	0	90	0	0.0	Startup / Restart of ASP
07-04-19	11 AM	2	0	187	1	0	20	0	0.0	

07-04-19	12 PM	0	0	21	0	0	4	0	0.0	
07-04-19	1 PM	-	-	-	-	-	-	-	-	
07-04-19	2 PM	-	-	-	-	-	-	-	-	
07-04-19	3 PM	-	-	-	-	-	-	-	-	
07-04-19	4 PM	-	-	-	-	-	-	-	-	
07-04-19	5 PM	-	-	-	-	-	-	-	-	
07-04-19	6 PM	-	-	-	-	-	-	-	-	
07-04-19	7 PM	-	-	-	-	-	-	-	-	
07-04-19	8 PM	-	-	-	-	-	-	-	-	
07-04-19	9 PM	-	-	-	-	-	-	-	-	
07-04-19	10 PM	1	2	48	0	1	61	0	0.0	Startup / Restart of ASP
07-04-19	11 PM	2	0	268	1	1	23	0	0.0	Startup / Restart of ASP
08-04-19	12 AM	3	0	321	23	0	24	0	0.0	Startup / Restart of ASP
08-04-19	1 AM	3	0	208	63	0	17	0	0.0	Startup / Restart of ASP
08-04-19	2 AM	2	0	54	34	0	9	0	0.0	
08-04-19	3 AM	2	0	150	3	1	6	0	0.0	
08-04-19	4 AM	3	0	175	7	0	13	0	0.0	
08-04-19	5 AM	2	0	78	3	0	8	0	0.0	
08-04-19	6 AM	2	0	70	3	1	5	0	0.0	
08-04-19	7 AM	3	0	159	4	0	10	0	0.0	
08-04-19	8 AM	3	0	160	3	0	9	0	0.0	
08-04-19	9 AM	0	0	72	0	0	2	0	0.0	
08-04-19	10 AM	3	0	368	0	0	7	0	0.0	ASP was under performance optimisation during the reporting

										month which resulted in unstable emission
08-04-19	11 AM	3	0	234	0	0	7	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
08-04-19	12 PM	3	0	160	0	0	7	0	0.0	
08-04-19	1 PM	3	0	151	0	0	6	0	0.0	
08-04-19	2 PM	0	0	0	6	534	39	0	0.0	ASP tripped and stopped
08-04-19	3 PM	-	-	-	-	-	-	-	-	
08-04-19	4 PM	-	-	-	-	-	-	-	-	
08-04-19	5 PM	-	-	-	-	-	-	-	-	
08-04-19	6 PM	-	-	-	-	-	-	-	-	
08-04-19	7 PM	-	-	-	-	-	-	-	-	
08-04-19	8 PM	-	-	-	-	-	-	-	-	
08-04-19	9 PM	-	-	-	-	-	-	-	-	
08-04-19	10 PM	-	-	-	-	-	-	-	-	
08-04-19	11 PM	-	-	-	-	-	-	-	-	
09-04-19	12 AM	-	-	-	-	-	-	-	-	
09-04-19	1 AM	-	-	-	-	-	-	-	-	
09-04-19	2 AM	-	-	-	-	-	-	-	-	
09-04-19	3 AM	-	-	-	-	-	-	-	-	
09-04-19	4 AM	-	-	-	-	-	-	-	-	
09-04-19	5 AM	-	-	-	-	-	-	-	-	
09-04-19	6 AM	-	-	-	-	-	-	-	-	

09-04-19	7 AM	-	-	-	-	-	-	-	-	
09-04-19	8 AM	-	-	-	-	-	-	-	-	
09-04-19	9 AM	-	-	-	-	-	-	-	-	
09-04-19	10 AM	-	-	-	-	-	-	-	-	
09-04-19	11 AM	-	-	-	-	-	-	-	-	
09-04-19	12 PM	-	-	-	-	-	-	-	-	
09-04-19	1 PM	-	-	-	-	-	-	-	-	
09-04-19	2 PM	-	-	-	-	-	-	-	-	
09-04-19	3 PM	-	-	-	-	-	-	-	-	
09-04-19	4 PM	-	-	-	-	-	-	-	-	
09-04-19	5 PM	-	-	-	-	-	-	-	-	
09-04-19	6 PM	-	-	-	-	-	-	-	-	
09-04-19	7 PM	-	-	-	-	-	-	-	-	
09-04-19	8 PM	-	-	-	-	-	-	-	-	
09-04-19	9 PM	0	135	180	11	1	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
09-04-19	10 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
09-04-19	11 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	12 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

10-04-19	1 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	2 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	3 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	7 AM	0	34	41	1	294	5	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	8 AM	0	172	232	17	1860	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

10-04-19	9 AM	0	28	33	0	157	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	10 AM	0	87	118	9	0	0	0	0.0	
10-04-19	11 AM	0	87	118	9	0	0	0	0.0	
10-04-19	12 PM	0	87	118	9	0	0	0	0.0	
10-04-19	1 PM	-	-	-	-	-	-	-	-	
10-04-19	2 PM	-	-	-	-	-	-	-	-	
10-04-19	3 PM	0	87	117	9	0	0	0	0.0	
10-04-19	4 PM	-	-	-	-	-	-	-	-	
10-04-19	5 PM	0	174	234	17	52	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	6 PM	0	107	144	9	1	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	7 PM	0	174	234	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
10-04-19	8 PM	0	87	117	9	0	0	0	0.0	
10-04-19	9 PM	-	-	-	-	-	-	-	-	
10-04-19	10 PM	-	-	-	-	-	-	-	-	
10-04-19	11 PM	0	87	118	9	0	0	0	0.0	
11-04-19	12 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

11-04-19	1 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	2 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	3 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	7 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

11-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	11 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	12 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	1 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	2 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	3 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	4 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

11-04-19	5 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	6 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	7 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	8 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	9 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	10 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
11-04-19	11 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	12 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

12-04-19	1 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	2 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	3 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	7 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

12-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	11 AM	-	-	-	-	-	-	-	-	
12-04-19	12 PM	-	-	-	-	-	-	-	-	
12-04-19	1 PM	-	-	-	-	-	-	-	-	
12-04-19	2 PM	-	-	-	-	-	-	-	-	
12-04-19	3 PM	-	-	-	-	-	-	-	-	
12-04-19	4 PM	0	87	118	9	0	0	0	0.0	
12-04-19	5 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	6 PM	0	168	233	16	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	7 PM	0	143	224	13	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	8 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
12-04-19	9 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
12-04-19	10 PM	0	87	118	9	0	0	0	0.0	
12-04-19	11 PM	-	-	-	-	-	-	-	-	
13-04-19	12 AM	-	-	-	-	-	-	-	-	
13-04-19	1 AM	-	-	-	-	-	-	-	-	
13-04-19	2 AM	-	-	-	-	-	-	-	-	
13-04-19	3 AM	-	-	-	-	-	-	-	-	
13-04-19	4 AM	-	-	-	-	-	-	-	-	
13-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	7 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
13-04-19	11 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	12 PM	4	80	182	8	0	0	0	0.5	
13-04-19	1 PM	0	15	28	0	0	0	0	0.0	
13-04-19	2 PM	7	0	127	0	0	1	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	3 PM	7	0	100	0	0	4	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	4 PM	7	0	124	0	0	5	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	5 PM	7	0	143	0	0	6	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	6 PM	0	116	160	9	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	7 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

13-04-19	8 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	9 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	10 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
13-04-19	11 PM	0	87	118	9	0	0	0	0.0	
14-04-19	12 AM	-	-	-	-	-	-	-	-	
14-04-19	1 AM	0	159	219	15	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	2 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	3 AM	0	174	235	17	5	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
14-04-19	6 AM	0	164	220	16	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	7 AM	0	154	206	14	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	11 AM	0	152	211	14	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	12 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	1 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
14-04-19	2 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	3 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	4 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	5 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	6 PM	0	124	184	10	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	7 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	8 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	9 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
14-04-19	10 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
14-04-19	11 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	12 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	1 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	2 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	3 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
15-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	7 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	11 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	12 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	1 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
15-04-19	2 PM	0	120	159	9	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	3 PM	0	165	222	16	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	4 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	5 PM	0	174	235	17	11	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	6 PM	0	174	235	17	4	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	7 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	8 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	9 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
15-04-19	10 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
15-04-19	11 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	12 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	1 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	2 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	3 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
16-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	7 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	11 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	12 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	1 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
16-04-19	2 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	3 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	4 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	5 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	6 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	7 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	8 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	9 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements

										were resumed on 17 May 2019
16-04-19	10 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
16-04-19	11 PM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	12 AM	-	-	-	-	-	-	-	-	
17-04-19	1 AM	-	-	-	-	-	-	-	-	
17-04-19	2 AM	0	174	234	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	3 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	4 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	5 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	6 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019

17-04-19	7 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	8 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	9 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	10 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	11 AM	0	174	235	17	0	0	0	0.0	Sensors error and measurements were resumed on 17 May 2019
17-04-19	12 PM	0	28	37	0	0	0	0	0.0	
17-04-19	1 PM	0	19	26	0	0	0	0	0.0	
17-04-19	2 PM	-	-	-	-	-	-	-	-	
17-04-19	3 PM	-	-	-	-	-	-	-	-	
17-04-19	4 PM	-	-	-	-	-	-	-	-	
17-04-19	5 PM	-	-	-	-	-	-	-	-	
17-04-19	6 PM	-	-	-	-	-	-	-	-	
17-04-19	7 PM	-	-	-	-	-	-	-	-	
17-04-19	8 PM	1	0	127	1	0	24	0	0.5	Startup of ASP
17-04-19	9 PM	3	0	385	0	0	30	0	0.0	Startup of ASP
17-04-19	10 PM	3	0	289	1	0	17	0	0.0	Startup of ASP

17-04-19	11 PM	2	0	141	3	0	22	0	0.0	
18-04-19	12 AM	2	0	151	3	0	18	0	0.0	
18-04-19	1 AM	2	0	166	3	0	15	0	0.0	
18-04-19	2 AM	2	0	143	3	0	13	0	0.0	
18-04-19	3 AM	2	0	129	3	0	12	0	0.0	
18-04-19	4 AM	2	0	107	3	0	13	0	0.0	
18-04-19	5 AM	2	0	90	3	0	13	0	0.0	
18-04-19	6 AM	2	0	101	1	0	9	0	0.0	
18-04-19	7 AM	2	0	56	1	0	18	0	0.0	
18-04-19	8 AM	3	0	104	2	0	16	0	0.0	
18-04-19	9 AM	1	0	69	6	0	25	0	0.0	
18-04-19	10 AM	2	0	61	34	0	26	0	0.0	
18-04-19	11 AM	2	0	56	11	0	21	0	0.0	
18-04-19	12 PM	1	0	29	4	0	10	0	0.0	
18-04-19	1 PM	-	-	-	-	-	-	-	-	
18-04-19	2 PM	5	0	111	2	0	3	0	0.5	
18-04-19	3 PM	3	0	143	36	0	6	0	0.0	
18-04-19	4 PM	2	0	110	71	0	9	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
18-04-19	5 PM	3	0	49	35	0	14	0	0.0	
18-04-19	6 PM	0	0	9	2	2	7	0	0.0	
18-04-19	7 PM	2	0	78	5	0	13	0	0.0	
18-04-19	8 PM	1	0	24	0	1	5	0	0.0	
18-04-19	9 PM	3	0	372	2	0	7	0	0.0	ASP was under performance

										optimisation during the reporting month which resulted in unstable emission
18-04-19	10 PM	3	0	365	1	0	6	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
18-04-19	11 PM	3	0	318	0	0	6	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
19-04-19	12 AM	3	0	269	0	0	5	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
19-04-19	1 AM	3	0	147	0	0	5	0	0.0	
19-04-19	2 AM	3	0	61	0	0	5	0	0.0	
19-04-19	3 AM	0	0	3	0	1	1	0	0.0	
19-04-19	4 AM	2	0	13	0	0	3	0	0.0	
19-04-19	5 AM	0	0	0	0	0	1	0	0.0	
19-04-19	6 AM	0	0	0	0	1	0	0	0.0	

19-04-19	7 AM	0	11	16	0	17	1	0	0.0	
19-04-19	8 AM	0	31	0	0	3	264	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
19-04-19	9 AM	0	0	0	0	0	0	0	0.0	
19-04-19	10 AM	1	0	9	0	0	18	0	0.0	
19-04-19	11 AM	-	-	-	-	-	-	-	-	
19-04-19	12 PM	-	-	-	-	-	-	-	-	
19-04-19	1 PM	-	-	-	-	-	-	-	-	
19-04-19	2 PM	-	-	-	-	-	-	-	-	
19-04-19	3 PM	0	0	17	5	0	1	0	0.0	Startup of ASP
19-04-19	4 PM	2	0	316	74	0	17	0	0.0	Startup of ASP
19-04-19	5 PM	1	0	217	48	0	16	0	0.0	ASP tripped and stopped
19-04-19	6 PM	-	-	-	-	-	-	-	-	
19-04-19	7 PM	-	-	-	-	-	-	-	-	
19-04-19	8 PM	1	0	98	99	0	28	0	0.5	Startup / restart of ASP
19-04-19	9 PM	2	0	398	104	0	34	0	0.0	Startup / restart of ASP
19-04-19	10 PM	3	0	363	45	0	20	0	0.0	Startup / restart of ASP
19-04-19	11 PM	2	0	155	15	0	21	0	0.0	
20-04-19	12 AM	2	0	131	6	0	19	0	0.0	
20-04-19	1 AM	2	0	186	5	0	18	0	0.0	
20-04-19	2 AM	1	0	66	3	0	9	0	0.0	
20-04-19	3 AM	0	0	44	0	0	2	0	0.0	

20-04-19	4 AM	0	0	28	0	0	3	0	0.0	
20-04-19	5 AM	0	0	11	0	0	1	0	0.0	
20-04-19	6 AM	0	0	19	0	0	1	0	0.0	
20-04-19	7 AM	0	0	25	0	1	1	0	0.0	
20-04-19	8 AM	0	0	10	0	1	1	0	0.0	
20-04-19	9 AM	0	1	8	0	2	2	0	0.0	
20-04-19	10 AM	-	-	-	-	-	-	-	-	
20-04-19	11 AM	-	-	-	-	-	-	-	-	
20-04-19	12 PM	0	0	2	0	0	3	0	0.0	
20-04-19	1 PM	0	0	2	0	0	3	0	0.0	
20-04-19	2 PM	3	0	7	0	0	3	0	0.0	
20-04-19	3 PM	0	0	1	0	0	2	0	0.0	
20-04-19	4 PM	0	0	4	0	0	2	0	0.0	
20-04-19	5 PM	0	0	7	0	0	2	0	0.0	
20-04-19	6 PM	0	0	11	0	1	1	0	0.0	
20-04-19	7 PM	0	19	2	0	13	223	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
20-04-19	8 PM	0	0	3	0	0	7	0	0.0	
20-04-19	9 PM	0	0	44	0	0	15	0	0.0	
20-04-19	10 PM	1	0	83	3	0	18	0	0.0	
20-04-19	11 PM	2	0	117	4	0	22	0	0.0	
21-04-19	12 AM	2	0	34	1	0	11	0	0.0	
21-04-19	1 AM	0	0	0	0	0	69	0	0.0	ASP was under performance optimisation during

										the reporting month which resulted in unstable emission
21-04-19	2 AM	0	0	2	0	0	35	0	0.0	
21-04-19	3 AM	0	0	24	1	0	15	0	0.5	
21-04-19	4 AM	2	128	91	5	11	211	0	0.5	ASP tripped and stopped
21-04-19	5 AM	-	-	-	-	-	-	-	-	
21-04-19	6 AM	-	-	-	-	-	-	-	-	
21-04-19	7 AM	-	-	-	-	-	-	-	-	
21-04-19	8 AM	-	-	-	-	-	-	-	-	
21-04-19	9 AM	-	-	-	-	-	-	-	-	
21-04-19	10 AM	1	0	147	0	0	16	0	0.5	Startup / restart of ASP
21-04-19	11 AM	2	0	346	0	0	36	0	0.5	Startup / restart of ASP
21-04-19	12 PM	2	0	160	0	0	28	0	0.0	
21-04-19	1 PM	2	0	109	0	0	26	0	0.0	
21-04-19	2 PM	2	0	110	0	0	22	0	0.0	
21-04-19	3 PM	2	0	132	0	0	15	0	0.0	
21-04-19	4 PM	0	0	34	0	0	3	0	0.0	
21-04-19	5 PM	1	0	54	8	0	6	0	0.0	
21-04-19	6 PM	0	0	21	2	1	4	0	0.0	
21-04-19	7 PM	1	0	62	2	0	10	0	0.0	
21-04-19	8 PM	2	0	80	1	0	17	0	0.0	
21-04-19	9 PM	0	0	2	0	0	11	0	0.0	
21-04-19	10 PM	1	0	78	0	0	29	0	0.0	
21-04-19	11 PM	0	0	33	0	0	8	0	0.0	
22-04-19	12 AM	2	0	118	0	0	17	0	0.0	

22-04-19	1 AM	3	0	124	0	0	15	0	0.0	
22-04-19	2 AM	3	0	134	0	0	13	0	0.0	
22-04-19	3 AM	3	0	142	0	0	11	0	0.0	
22-04-19	4 AM	3	0	144	0	0	10	0	0.0	
22-04-19	5 AM	2	0	132	0	0	9	0	0.0	
22-04-19	6 AM	2	0	133	0	0	10	0	0.0	
22-04-19	7 AM	2	0	125	0	0	10	0	0.0	
22-04-19	8 AM	2	0	126	0	0	9	0	0.0	
22-04-19	9 AM	2	0	120	0	0	9	0	0.0	
22-04-19	10 AM	2	0	82	0	0	10	0	0.0	
22-04-19	11 AM	2	0	71	7	0	14	0	0.0	
22-04-19	12 PM	2	0	58	22	0	12	0	0.0	
22-04-19	1 PM	2	0	66	11	0	9	0	0.0	
22-04-19	2 PM	2	0	43	21	0	13	0	0.0	
22-04-19	3 PM	2	0	51	6	0	15	0	0.0	
22-04-19	4 PM	2	0	37	1	0	23	0	0.0	
22-04-19	5 PM	2	0	36	0	0	29	0	0.0	
22-04-19	6 PM	2	0	38	0	0	33	0	0.0	
22-04-19	7 PM	2	0	39	0	0	36	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
22-04-19	8 PM	2	0	31	0	0	47	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
22-04-19	9 PM	3	0	224	0	0	30	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
22-04-19	10 PM	3	0	297	0	0	14	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
22-04-19	11 PM	4	0	113	0	0	9	0	0.0	
23-04-19	12 AM	5	0	55	0	0	7	0	0.0	
23-04-19	1 AM	0	2	0	0	6	0	0	0.0	
23-04-19	2 AM	-	-	-	-	-	-	-	-	
23-04-19	3 AM	2	0	216	0	0	13	0	0.0	Startup / restart of ASP
23-04-19	4 AM	3	0	349	0	0	27	0	0.0	Startup / restart of ASP
23-04-19	5 AM	3	0	229	0	0	24	0	0.0	Startup / restart of ASP
23-04-19	6 AM	2	115	68	0	15	240	0	0.0	Startup / restart of ASP
23-04-19	7 AM	3	0	40	0	0	69	0	0.0	ASP was under performance optimisation during the reporting

										month which resulted in unstable emission
23-04-19	8 AM	2	0	220	0	0	45	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
23-04-19	9 AM	1	0	294	0	1	55	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
23-04-19	10 AM	3	0	360	0	0	42	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
23-04-19	11 AM	2	0	228	2	0	37	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
23-04-19	12 PM	3	0	59	20	0	35	0	0.0	
23-04-19	1 PM	3	0	39	6	0	32	0	0.0	

23-04-19	2 PM	1	0	32	1	0	14	0	0.0	
23-04-19	3 PM	-	-	-	-	-	-	-	-	
23-04-19	4 PM	-	-	-	-	-	-	-	-	
23-04-19	5 PM	-	-	-	-	-	-	-	-	
23-04-19	6 PM	1	0	175	0	0	27	0	0.5	Startup / restart of ASP
23-04-19	7 PM	2	1	306	0	0	65	0	0.0	Startup / restart of ASP
23-04-19	8 PM	2	0	287	0	0	42	0	0.0	Startup / restart of ASP
23-04-19	9 PM	0	0	28	0	0	26	0	0.0	
23-04-19	10 PM	1	148	67	2	44	168	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
23-04-19	11 PM	2	103	93	2	173	201	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	12 AM	3	34	136	0	3	119	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission

24-04-19	1 AM	2	2	278	0	0	47	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	2 AM	2	0	217	0	0	22	0	0.0	
24-04-19	3 AM	1	0	123	7	0	17	0	0.5	
24-04-19	4 AM	1	0	150	6	0	23	0	0.0	
24-04-19	5 AM	1	0	140	0	0	11	0	0.5	
24-04-19	6 AM	3	5	351	4	95	38	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	7 AM	2	0	248	0	0	39	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	8 AM	2	0	107	1	0	38	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission

24-04-19	9 AM	2	121	128	3	10	362	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	10 AM	3	0	100	5	2	623	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	11 AM	2	0	239	3	0	46	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	12 PM	2	0	110	4	0	41	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
24-04-19	1 PM	0	0	58	0	0	21	0	0.0	
24-04-19	2 PM	1	0	26	6	0	25	0	0.0	
24-04-19	3 PM	1	0	0	1	0	184	0	0.5	ASP tripped and stopped

24-04-19	4 PM	-	-	-	-	-	-	-	-	
24-04-19	5 PM	2	0	176	0	0	53	0	0.5	Startup / restart of ASP
24-04-19	6 PM	2	0	327	0	0	21	0	0.5	Startup / restart of ASP
24-04-19	7 PM	2	0	128	1	0	33	0	0.0	
24-04-19	8 PM	2	0	113	4	0	27	0	0.0	
24-04-19	9 PM	2	0	106	6	0	20	0	0.0	
24-04-19	10 PM	2	0	78	7	0	15	0	0.0	
24-04-19	11 PM	2	0	68	9	0	9	0	0.0	
25-04-19	12 AM	2	0	53	12	0	7	0	0.0	
25-04-19	1 AM	2	0	59	14	0	16	0	0.0	
25-04-19	2 AM	2	0	30	16	0	28	0	0.0	
25-04-19	3 AM	2	0	28	17	0	24	0	0.0	
25-04-19	4 AM	2	0	55	16	0	17	0	0.0	
25-04-19	5 AM	2	0	63	13	0	16	0	0.0	
25-04-19	6 AM	2	0	103	14	0	7	0	0.0	
25-04-19	7 AM	2	54	53	11	4	573	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
25-04-19	8 AM	2	0	109	25	0	24	0	0.0	
25-04-19	9 AM	2	0	71	48	0	25	0	0.0	
25-04-19	10 AM	2	0	53	34	0	24	0	0.0	
25-04-19	11 AM	2	121	90	15	7	237	0	0.0	ASP was under performance optimisation during the reporting

										month which resulted in unstable emission
25-04-19	12 PM	3	0	16	9	1	626	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
25-04-19	1 PM	2	0	51	4	0	18	0	0.0	
25-04-19	2 PM	0	0	48	0	0	13	0	0.5	
25-04-19	3 PM	4	15	99	12	6	822	0	1.0	ASP tripped and stopped
25-04-19	4 PM	1	134	82	13	7	545	0	0.5	ASP tripped and stopped
25-04-19	5 PM	2	126	44	25	8	2128	0	1.5	ASP tripped and stopped
25-04-19	6 PM	0	3	0	7	0	57	0	0.0	ASP tripped and stopped
25-04-19	7 PM	-	-	-	-	-	-	-	-	
25-04-19	8 PM	-	-	-	-	-	-	-	-	
25-04-19	9 PM	-	-	-	-	-	-	-	-	
25-04-19	10 PM	1	6	6	6	0	78	0	0.0	Startup / restart of ASP
25-04-19	11 PM	5	2	192	5	0	132	0	0.0	Startup / restart of ASP
26-04-19	12 AM	3	0	252	5	0	52	0	0.5	Startup / restart of ASP
26-04-19	1 AM	5	0	395	27	0	53	0	0.0	ASP was under performance optimisation during

										the reporting month which resulted in unstable emission
26-04-19	2 AM	4	0	317	23	0	46	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	3 AM	2	117	196	10	5	63	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	4 AM	2	0	30	8	0	76	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	5 AM	5	0	24	7	0	70	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission

26-04-19	6 AM	4	0	28	6	0	55	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	7 AM	3	9	18	8	1	41	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	8 AM	4	0	75	4	0	42	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	9 AM	1	57	421	26	1773	667	2	1.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	10 AM	1	0	41	0	0	39	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
26-04-19	11 AM	2	0	83	5	0	25	0	0.0	
26-04-19	12 PM	1	0	81	2	0	25	0	0.0	
26-04-19	1 PM	2	0	107	25	0	38	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	2 PM	2	28	96	23	62	22	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	3 PM	2	0	64	15	0	37	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
26-04-19	4 PM	2	0	106	8	0	33	0	0.0	
26-04-19	5 PM	2	23	156	12	538	49	0	0.5	ASP tripped and stopped
26-04-19	6 PM	-	-	-	-	-	-	-	-	
26-04-19	7 PM	1	12	29	3	110	20	0	0.0	Startup / restart of ASP
26-04-19	8 PM	-	-	-	-	-	-	-	-	

26-04-19	9 PM	-	-	-	-	-	-	-	-	
26-04-19	10 PM	1	0	69	4	0	37	0	0.5	Startup / restart of ASP
26-04-19	11 PM	3	0	305	7	0	41	0	1.0	Startup / restart of ASP
27-04-19	12 AM	2	148	373	12	440	58	1	1.0	Startup / restart of ASP
27-04-19	1 AM	2	53	30	8	9	1186	0	1.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
27-04-19	2 AM	3	3	31	3	3	116	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
27-04-19	3 AM	2	0	67	3	1	59	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
27-04-19	4 AM	2	30	90	4	7	70	0	0.0	ASP was under performance optimisation during the reporting month which

										resulted in unstable emission
27-04-19	5 AM	4	0	34	5	1	68	0	0.0	ASP tripped and stopped
27-04-19	6 AM	-	-	-	-	-	-	-	-	
27-04-19	7 AM	-	-	-	-	-	-	-	-	
27-04-19	8 AM	-	-	-	-	-	-	-	-	
27-04-19	9 AM	-	-	-	-	-	-	-	-	
27-04-19	10 AM	-	-	-	-	-	-	-	-	
27-04-19	11 AM	-	-	-	-	-	-	-	-	
27-04-19	12 PM	-	-	-	-	-	-	-	-	
27-04-19	1 PM	-	-	-	-	-	-	-	-	
27-04-19	2 PM	-	-	-	-	-	-	-	-	
27-04-19	3 PM	-	-	-	-	-	-	-	-	
27-04-19	4 PM	-	-	-	-	-	-	-	-	
27-04-19	5 PM	-	-	-	-	-	-	-	-	
27-04-19	6 PM	-	-	-	-	-	-	-	-	
27-04-19	7 PM	-	-	-	-	-	-	-	-	
27-04-19	8 PM	-	-	-	-	-	-	-	-	
27-04-19	9 PM	-	-	-	-	-	-	-	-	
27-04-19	10 PM	-	-	-	-	-	-	-	-	
27-04-19	11 PM	-	-	-	-	-	-	-	-	
28-04-19	12 AM	-	-	-	-	-	-	-	-	
28-04-19	1 AM	-	-	-	-	-	-	-	-	
28-04-19	2 AM	-	-	-	-	-	-	-	-	
28-04-19	3 AM	-	-	-	-	-	-	-	-	
28-04-19	4 AM	-	-	-	-	-	-	-	-	
28-04-19	5 AM	-	-	-	-	-	-	-	-	
28-04-19	6 AM	-	-	-	-	-	-	-	-	

28-04-19	7 AM	-	-	-	-	-	-	-	-	
28-04-19	8 AM	-	-	-	-	-	-	-	-	
28-04-19	9 AM	-	-	-	-	-	-	-	-	
28-04-19	10 AM	-	-	-	-	-	-	-	-	
28-04-19	11 AM	-	-	-	-	-	-	-	-	
28-04-19	12 PM	-	-	-	-	-	-	-	-	
28-04-19	1 PM	-	-	-	-	-	-	-	-	
28-04-19	2 PM	-	-	-	-	-	-	-	-	
28-04-19	3 PM	-	-	-	-	-	-	-	-	
28-04-19	4 PM	-	-	-	-	-	-	-	-	
28-04-19	5 PM	-	-	-	-	-	-	-	-	
28-04-19	6 PM	-	-	-	-	-	-	-	-	
28-04-19	7 PM	-	-	-	-	-	-	-	-	
28-04-19	8 PM	-	-	-	-	-	-	-	-	
28-04-19	9 PM	-	-	-	-	-	-	-	-	
28-04-19	10 PM	-	-	-	-	-	-	-	-	
28-04-19	11 PM	-	-	-	-	-	-	-	-	
29-04-19	12 AM	-	-	-	-	-	-	-	-	
29-04-19	1 AM	-	-	-	-	-	-	-	-	
29-04-19	2 AM	-	-	-	-	-	-	-	-	
29-04-19	3 AM	5	0	70	42	0	2	0	1.0	Startup of ASP
29-04-19	4 AM	5	0	210	54	0	5	0	0.0	Startup of ASP
29-04-19	5 AM	6	0	3	67	4	20	0	0.0	Startup of ASP
29-04-19	6 AM	3	280	106	60	13	181	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission

29-04-19	7 AM	2	0	0	62	2	175	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
29-04-19	8 AM	2	0	0	77	1	186	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
29-04-19	9 AM	3	0	50	91	0	123	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
29-04-19	10 AM	3	0	57	102	0	54	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
29-04-19	11 AM	2	0	21	51	0	21	0	0.0	ASP tripped and stopped
29-04-19	12 PM	-	-	-	-	-	-	-	-	
29-04-19	1 PM	-	-	-	-	-	-	-	-	

29-04-19	2 PM	-	-	-	-	-	-	-	-	
29-04-19	3 PM	-	-	-	-	-	-	-	-	
29-04-19	4 PM	-	-	-	-	-	-	-	-	
29-04-19	5 PM	-	-	-	-	-	-	-	-	
29-04-19	6 PM	-	-	-	-	-	-	-	-	
29-04-19	7 PM	-	-	-	-	-	-	-	-	
29-04-19	8 PM	-	-	-	-	-	-	-	-	
29-04-19	9 PM	-	-	-	-	-	-	-	-	
29-04-19	10 PM	1	0	287	73	0	29	0	1.5	Startup / restart of ASP
29-04-19	11 PM	1	0	267	69	0	16	0	0.5	Startup / restart of ASP
30-04-19	12 AM	2	0	208	81	0	19	0	0.5	Startup / restart of ASP
30-04-19	1 AM	1	0	119	69	0	7	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	2 AM	1	0	117	68	0	5	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	3 AM	1	0	124	68	0	3	0	0.0	ASP was under performance optimisation during the reporting

										month which resulted in unstable emission
30-04-19	4 AM	1	0	124	67	0	3	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	5 AM	1	0	102	64	0	0	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	6 AM	2	0	62	58	0	1	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	7 AM	1	0	29	30	0	4	0	0.0	
30-04-19	8 AM	1	0	41	12	0	3	0	0.0	
30-04-19	9 AM	1	0	20	4	0	8	0	0.0	
30-04-19	10 AM	1	0	9	0	0	10	0	0.0	
30-04-19	11 AM	1	0	16	0	0	23	0	0.0	
30-04-19	12 PM	1	0	24	0	0	38	0	0.0	ASP was under performance optimisation during

										the reporting month which resulted in unstable emission
30-04-19	1 PM	1	0	38	0	0	25	0	0.0	
30-04-19	2 PM	1	0	61	0	0	19	0	0.0	
30-04-19	3 PM	1	0	24	0	0	42	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	4 PM	1	0	60	0	0	35	0	0.0	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	5 PM	1	0	53	0	0	17	0	0.0	
30-04-19	6 PM	1	0	63	0	0	15	0	0.0	
30-04-19	7 PM	1	0	44	0	0	15	0	0.0	
30-04-19	8 PM	1	0	26	0	0	17	0	0.0	
30-04-19	9 PM	2	0	40	0	0	41	0	0.5	ASP was under performance optimisation during the reporting month which resulted in unstable emission
30-04-19	10 PM	2	0	67	0	0	24	0	0.0	

30-04-19	11 PM	2	0	53	0	0	25	0	0.0	

Annex G11

Laboratory Results for NMVOCs and VOCs (including methane) for CHP 1 & CHP 2

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CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1916679
CONTACT:	Mr Edwin wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	18 April, 2019
		DATE OF ISSUE:	29 April, 2019
PROJECT:	Stack Gas Sampling	SAMPLE TYPE:	Air
SITE:	ORRC1, Siu Ho Wan, Lantau Island	NO OF SAMPLES:	1
PO: ---			

COMMENTS

One (1) stack gas sample was collected by ALS Technichem (HK) staff on 18th April, 2019 at the Organic Resources Recovery Centre (Phase 1) in Lantau Island.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

PP

Richard Fung
General Manager - Hong Kong

1. Summary of Work

The document is the final report for the stack gas sampling and testing event for Oscar Bioenergy Joint Venture at Siu Ho Wan, North Lantau Island.

Sampling Period: 18th April, 2019
Location of Stack: ORRC1, Siu Ho Wan
No. of Stack: 1
Name of Stack: CHP-1

Methods for Stack Sampling and Analysis:

Parameter	Method Reference	Sampling Time (minutes)
Volatile Organic Compounds (VOCs) [1]	US EPA Method 18	60
Non-Methane Volatile Organic Compounds (NMCOCs)) [1]	US EPA Method 18	60

Note:
[1]: Results expressed as carbon
[2]: Results reported as at 273K, 101.325kPa, 6% Oxygen content and dry gas basis.

2. Sampling Summary

Volatile Organic Compounds (VOCs)
Sample gas was collected by using a stainless steel sampling probe, from the centroid of the stack, into the Tedlar bag by passive sampling technique.
The measurement of total volatile organic compounds (VOCs) content in the sample was conducted in references to BS EN 12619. VOCs content was determined by measuring the methane and non-methane volatile organic compounds of the sample by Gas Chromatograph-Flame Ionisation Detector (GC-FID).
VOCs was reported as the sum of methane and non-methane organics content in the sample.

3. Sampling Period

Test Parameters	Sampling Period
Volatile Organic Compounds (VOCs)	18 April 2019 15:00 – 16:00

4. Result

Parameter	Unit	Reporting Limit	Result [1]
Gaseous & vaporous organic substances (VOCs) [2]	mg/m^3	0.7	919
Methane (CH_4) [2]	mg/m^3	0.5	911
Non-Methane Organic Carbon (NMOC) [2]	mg/m^3	0.2	8.0

Note:
[1]: Results expressed as dry, at 0 degree Celsius temperature, 101.325 kilopascal pressure and 6% O_2 content conditions.
[2]: Results expressed as carbon.
[3]: The average Oxygen content in the flue gas was 9.8% during the sampling period.

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CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1915304
CONTACT:	Mr Edwin wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	10 April, 2019
		DATE OF ISSUE:	29 April, 2019
PROJECT:	Stack Gas Sampling	SAMPLE TYPE:	Air
SITE:	ORRC1, Siu Ho Wan, Lantau Island	NO OF SAMPLES:	1
PO: ---			

COMMENTS

One (1) stack gas sample was collected by ALS Technichem (HK) staff on 10th April, 2019 at the Organic Resources Recovery Centre (Phase 1) in Lantau Island.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

PP
Richard Fung
General Manager - Hong Kong

1. Summary of Work

The document is the final report for the stack gas sampling and testing event for Oscar Bioenergy Joint Venture at Siu Ho Wan, North Lantau Island.

Sampling Period: 10th April, 2019
Location of Stack: ORRC1, Siu Ho Wan
No. of Stack: 1
Name of Stack: CHP-2

Methods for Stack Sampling and Analysis:

Parameter	Method Reference	Sampling Time (minutes)
Volatile Organic Compounds (VOCs) [1]	US EPA Method 18	60
Non-Methane Volatile Organic Compounds (NMCOCs)) [1]	US EPA Method 18	60

Note:
[1]: Results expressed as carbon
[2]: Results reported as at 273K, 101.325kPa, 6% Oxygen content and dry gas basis.

2. Sampling Summary

Volatile Organic Compounds (VOCs)
Sample gas was collected by using a stainless steel sampling probe, from the centroid of the stack, into the Tedlar bag by passive sampling technique.
The measurement of total volatile organic compounds (VOCs) content in the sample was conducted in references to BS EN 12619. VOCs content was determined by measuring the methane and non-methane volatile organic compounds of the sample by Gas Chromatograph-Flame Ionisation Detector (GC-FID).
VOCs was reported as the sum of methane and non-methane organics content in the sample.

3. Sampling Period

Test Parameters	Sampling Period
Volatile Organic Compounds (VOCs)	10 April 2019 11:25 – 12:25

4. Result

Parameter	Unit	Reporting Limit	Result [1]
Gaseous & vaporous organic substances (VOCs) [2]	mg/m^3	0.7	871
Methane (CH_4) [2]	mg/m^3	0.5	858
Non-Methane Organic Carbon (NMOC) [2]	mg/m^3	0.2	13.0

Note:
[1]: Results expressed as dry, at 0 degree Celsius temperature, 101.325 kilopascal pressure and 6% O_2 content conditions.
[2]: Results expressed as carbon.
[3]: The average Oxygen content in the flue gas was 10.0% during the sampling period.

Annex G 12

Laboratory Results for NMVOCs

ALS Technichem (HK) Pty Ltd
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STACK GAS SAMPLING AND LABORATORY TESTING REPORT

Location: Organic Resources Recovery Centre Phase 1 (ORRC1)

Sampling Period: 3rd May, 2019

Stack ID: CHP-1

ALS Work Order No: HK1918585B

Report Issue Date: 10th May, 2019

CLIENT:
Oscar Bioenergy Joint Venture
No. 5, Sham Fung Road,
Siu Ho Wan, Lantau Island, NT
Hong Kong

PREPARED BY:

Mr Poon Kwong Lun, Allen
Manager

Mr. Fung Lim Chee, Richard
General Manager - Hong Kong

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

1. Summary of Work

The document is the final report for the stack gas sampling and testing event for Oscar Bioenergy Joint Venture in Siu Ho Wan, North Lantau Island.

Sampling Period: 3rd May, 2019
Location of Stack: ORRC1, Siu Ho Wan
No. of Stack: 1
Name of Stack: CHP-1

Methods for Stack Sampling and Analysis:

Parameter	Method Reference	Sampling Time (minutes)
Volatile Organic Compounds (VOCs) [1]	US EPA Method 18	60

Note:
[1]: Results expressed as carbon.

2. Sampling Summary

Volatile Organic Compounds (VOCs)

Sample gas was collected by using a stainless steel sampling probe, from the centroid of the stack, into the Tedlar bag by passive sampling technique.
The measurement of total volatile organic compounds (VOCs) content in the sample was conducted in references to BS EN 12619. VOCs content was determined by measuring the methane and non-methane volatile organic compounds of the sample by Gas Chromatograph-Flame Ionisation Detector (GC-FID).
VOCs was reported as the sum of methane and non-methane organics content in the sample.

3. Sampling Period

Test Parameters	Sampling Period
Volatile Organic Compounds (VOCs)	3 May 2019 13:02 – 14:02

4. Stack Parameter

Test Parameter	Sampling Volume (m^3) [1]	Carbon Dioxide Content (%) [1]	Oxygen Content (%) [1]	Moisture Content (%)
VOCs	-	11.7	8.3	13.4

Note:
[1]: Expressed as at dry, 0 deg. C, 101.325 kilopascal pressure conditions.

5. Result

Parameter	Unit	Reporting Limit	Result
Gaseous & vaporous organic substances (VOCs) [2]	mg/m^3 [1]	0.7	658
	kg/hr	0.003	2.25
Methane (CH_4) [2]	mg/m^3 [1]	0.5	652
	kg/hr	0.002	2.23
Non-Methane Organic Carbon (NMOC) [2]	mg/m^3 [1]	0.2	5.7
	kg/hr	0.001	0.02

Note:
[1]: Results expressed as dry, at 0 degree Celsius temperature, 101.325 kilopascal pressure and 6% O_2 content conditions.
[2]: Results expressed as carbon.

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STACK GAS SAMPLING AND LABORATORY TESTING REPORT

Location: Organic Resources Recovery Centre Phase 1 (ORRC1)

Sampling Period: 14th May, 2019

Stack ID: CHP-3

ALS Work Order No: HK1919461B

Report Issue Date: 24th May, 2019

CLIENT:
Oscar Bioenergy Joint Venture
No. 5, Sham Fung Road,
Siu Ho Wan, Lantau Island, NT,
Hong Kong

PREPARED BY:

Mr Poon Kwong Lun, Allen
Manager

Mr Fung Lim Chee, Richard
Managing Director - Hong Kong

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

1. Summary of Work

The document is the final report for the stack gas sampling and testing event for Oscar Bioenergy Joint Venture at Siu Ho Wan, North Lantau Island.

Sampling Period: 14th May, 2019
Location of Stack: ORRC1, Siu Ho Wan
No. of Stack: 1
Name of Stack: CHP-3

Methods for Stack Sampling and Analysis:

Parameter	Method Reference	Sampling Time (minutes)
Volatile Organic Compounds (VOCs) [1]	US EPA Method 18	60

Note:
[1]: Results expressed as carbon.

2. Sampling Summary

Volatile Organic Compounds (VOCs)
Sample gas was collected by using a stainless steel sampling probe, from the centroid of the stack, into the Tedlar bag by passive sampling technique.
The measurement of total volatile organic compounds (VOCs) content in the sample was conducted in references to BS EN 12619. VOCs content was determined by measuring the methane and non-methane volatile organic compounds of the sample by Gas Chromatograph-Flame Ionisation Detector (GC-FID).
VOCs was reported as the sum of methane and non-methane organics content in the sample.

3. Sampling Period

Test Parameters	Sampling Period
Volatile Organic Compounds (VOCs)	14 May 2019 10:56 – 11.56

4. Stack Parameter

Test Parameter	Sampling Volume (m^3) [1]	Carbon Dioxide Content (%) [1]	Oxygen Content (%) [1]	Moisture Content (%)
VOCs	-	11.6	8.2	14.3

Note:
[1] Expressed as at dry, 0 deg. C, 101.325 kilopascal pressure conditions.

5. Result

Parameter	Unit	Reporting Limit	Result
Gaseous & vaporous organic substances (VOCs) [3]	mg/m^3 [1]	0.7	781
	kg/hr	0.003	2.796
Methane (CH_4) [3]	mg/m^3 [1]	0.5	776
	kg/hr	0.002	2.778
Non-Methane Organic Carbon (NMOC) [3]	mg/m^3 [1]	0.2	5.2
	kg/hr	0.001	0.019

Note:
[1] Results expressed as dry, at 0 degree Celsius temperature, 101.325 kilopascal pressure and 6% O_2 content conditions.
[2] Results expressed as carbon.

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1922259
CONTACT:	Mr Edwin wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	24 May, 2019
		DATE OF ISSUE:	3 Jun, 2019
PROJECT:	Stack Gas Sampling	SAMPLE TYPE:	Air
SITE:	ORRC1, Siu Ho Wan, Lantau Island	NO OF SAMPLES:	1
PO: ---			

COMMENTS

One (1) stack gas sample was collected by ALS Technichem (HK) staff on 24th May, 2019 at the Organic Resources Recovery Centre (Phase 1) in Lantau Island.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
Managing Director - Hong Kong

1. Summary of Work

The document is the final report for the stack gas sampling and testing event for Oscar Bioenergy Joint Venture at Siu Ho Wan, North Lantau Island.

Sampling Period: 24th May, 2019
Location of Stack: ORRC1, Siu Ho Wan
No. of Stack: 1
Name of Stack: CHP-1

Methods for Stack Sampling and Analysis:

Parameter	Method Reference	Sampling Time (minutes)
Volatile Organic Compounds (VOCs) [1]	US EPA Method 18	60
Non-Methane Volatile Organic Compounds (NMCOCs)) [1]	US EPA Method 18	60

Note:
[1]: Results expressed as carbon

2. Sampling Summary

Volatile Organic Compounds (VOCs)
Sample gas was collected by using a stainless steel sampling probe, from the centroid of the stack, into the Tedlar bag by passive sampling technique.
The measurement of total volatile organic compounds (VOCs) content in the sample was conducted in references to BS EN 12619. VOCs content was determined by measuring the methane and non-methane volatile organic compounds of the sample by Gas Chromatograph-Flame Ionisation Detector (GC-FID).

VOCs was reported as the sum of methane and non-methane organics content in the sample.

3. Sampling Period

Test Parameters	Sampling Period
Volatile Organic Compounds (VOCs)	24 May 2019 10:40 – 11:40

4. Result

Parameter	Unit	Reporting Limit	Result [1]
Gaseous & vaporous organic substances (VOCs) [2]	mg/m^3	0.7	876
Methane (CH_4) [2]	mg/m^3	0.5	871
Non-Methane Organic Carbon (NMOC) [2]	mg/m^3	0.2	5.0

Note:
[1]: Results expressed as dry, at 0 degree Celsius temperature, 101.325 kilopascal pressure and 6% O_2 content conditions.
[2]: Results expressed as carbon.
[3]: The average Oxygen content in the flue gas was 9.1% during the sampling period.

Annex H

Waste Flow Table

Annex H1

Construction Phase Waste Flow Table

No. EP/SP/61/10 of Organic Resources Recovery Centre (Phase I)
Monthly Summary Waste Flow Table

Month	Actual Quantities of Inert C&D Materials Generated					Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated				
	Total Quantity Generated	Reused in the Contract	Reused in other Projects	Hard Rocks & Large Broken Concrete	Disposed as Public Fill	Metals (see Note 1)	Paper/ cardboard packaging (see Note 1)	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse (see Note 3)
	tonne	tonne	tonne	tonne	tonne	kilogram	kilogram	kilogram	Litre	tonne
May 2015	29.58	0.00	0.00	0.00	29.58	0.00	0.00	0.00	0.00	0.00
June 2015	2226.90	0.00	0.00	0.00	2226.90	0.00	0.00	0.00	0.00	9.66
July 2015	2832.27	0.00	0.00	0.00	2832.27	0.00	0.00	0.00	0.00	33.68
August 2015	6657.25	0.00	0.00	0.00	6657.25	0.00	20.00	0.00	0.00	55.06
September 2015	5467.05	0.00	0.00	0.00	5467.05	3480.00	0.00	0.00	0.00	83.81
October 2015	5419.04	0.00	0.00	0.00	5419.04	18710.00	0.00	0.00	0.00	20.45
November 2015	1375.26	0.00	0.00	0.00	1375.26	21610.00	0.00	0.00	0.00	17.38
December 2015	2199.56	75.28	0.00	0.00	2124.28	0.00	41.00	0.00	0.00	21.83
January 2016	4601.43	0.00	0.00	0.00	4601.43	18140.00	50.00	0.00	640.00	20.86
February 2016	4167.01	0.00	0.00	0.00	4167.01	510.00	79.00	0.00	0.00	16.57
March 2016	299.92	41.28	0.00	0.00	258.64	22320.00	75.00	0.00	0.00	22.69
April 2016	3186.37	98.37	0.00	0.00	3088.00	60690.00	77.00	0.00	255.00	37.63
May 2016	1612.33	63.41	0.00	0.00	1548.92	13490.00	35000.00	0.00	0.00	40.76
June 2016	1144.73	30.43	0.00	0.00	1114.30	14600.00	120.00	0.00	0.00	58.34
July 2016	662.76	0.00	0.00	0.00	662.76	13370.00	0.00	0.00	0.00	40.48
August 2016	391.88	0.00	0.00	0.00	391.88	18660.00	84.00	0.00	0.00	61.91
September 2016	324.35	0.00	0.00	0.00	324.35	56800.00	2780.00	0.00	0.00	138.25
October 2016	1561.82	39.00	0.00	0.00	1522.82	40000	9.30	0.00	700.00	114.47
November 2016	897.23	507.94	00.00	0.00	389.76	0.00	123.00	0.00	0.00	154.22
December 2016	2477.95	489.00	0.00	0.00	1988.95	2960.00	93.00	0.00	0.00	136.80
January 2017	2150.92	503.60	0.00	0.00	1647.32	31240.00	21051.00	3630.00	0.00	127.43

Month	Actual Quantities of Inert C&D Materials Generated					Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated				
	Total Quantity Generated	Reused in the Contract	Reused in other Projects	Hard Rocks & Large Broken Concrete	Disposed as Public Fill	Metals (see Note 1)	Paper/ cardboard packaging (see Note 1)	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse (see Note 3)
	tonne	tonne	tonne	tonne	tonne	kilogram	kilogram	kilogram	Litre	tonne
February 2017	553.80	440.00	0.00	0.00	113.80	14940.00	18820.00	2880.00	460.00	83.46
March 2017	665.93	460.00	0.00	0.00	205.93	11660.00	29370.00	4400.00	660.00	99.59
April 2017	553.41	220.00	0.00	0.00	333.41	8600.00	25610.00	520.00	700.00	81.83
May 2017	388.82	211.00	0.00	0.00	177.82	1090.00	64.00	0.00	0.00	109.10
June 2017	352.12	104.00	0.00	0.00	248.12	1800.00	16400.00	12030.00	700.00	70.58
July 2017	400.72	165.00	0.00	0.00	235.72	6500.00	12330.00	4690.00	0.00	52.20
August 2017	589.89	202.00	0.00	0.00	387.89	23330.00	27079.00	5220.00	700.00	69.52
September 2017	3347.18	1364.00	0.00	0.00	1983.18	33379.00	29426.00	3990.00	0.00	62.82
October 2017	2384.86	984.00	0.00	0.00	1400.86	11842.00	34071.00	5230.00	0.00	74.13
November 2017	797.42	384.18	0.00	0.00	413.24	20210.00	25225.00	4030.00	0.00	163.03
December 2017	106.32	51.00	0.00	0.00	55.32	17650.00	19520.00	3210.00	0.00	82.23
January 2018	283.65	125.83	0.00	0.00	157.82	12900.00	15600.00	12330.00	0.00	30.93
February 2018	122.31	55.70	0.00	0.00	66.61	10950.00	13260.00	6570.00	0.00	16.95
March 2018	217.06	99.80	0.00	0.00	117.26	12260.00	12120.00	5960.00	0.00	32.53
April 2018	1118.36	460.58	0.00	0.00	657.78	16320.00	12590.00	6280.00	0.00	33.90
May 2018	475.54	198.85	0.00	0.00	276.69	15230.00	11024.00	0.00	0.00	40.02
June 2018	684.10	256.50	0.00	0.00	427.60	14320.00	10260.00	2630.00	0.00	43.01
July 2018	93.99	42.00	0.00	0.00	51.99	11220.00	6200.00	0.00	0.00	59.77
August 2018	528.56	225.00	0.00	0.00	303.56	13620.00	33400.00	26760.00	0.00	44.50
September 2018	765.70	325.00	0.00	0.00	440.70	10600.00	4500.00	0.00	0.00	41.82
October 2018	0.00	0.00	0.00	0.00	0.00	0.00	2330.00	0.00	0.00	109.49
November 2018	77.71	0.00	0.00	0.00	77.71	0.00	0.00	0.00	0.00	30.18
December 2018	88.43	0.00	0.00	0.00	88.43	0.00	0.00	0.00	0.00	5.72
January 2019	21.13	0.00	0.00	0.00	21.13	0.00	0.00	0.00	1880.00	4.55

Month	Actual Quantities of Inert C&D Materials Generated					Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated				
	Total Quantity Generated	Reused in the Contract	Reused in other Projects	Hard Rocks & Large Broken Concrete	Disposed as Public Fill	Metals (see Note 1)	Paper/ cardboard packaging (see Note 1)	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse (see Note 3)
	tonne	tonne	tonne	tonne	tonne	kilogram	kilogram	kilogram	Litre	tonne
February 2019	326.44	0.00	0.00	0.00	326.44	0.00	0.00	0.00	0.00	26.69
March 2019	190.4	0.00	0.00	0.00	190.40	0.00	0.00	0.00	0.00	16.45
April 2019	199.71	0.00	0.00	0.00	199.71	0.00	0.00	0.00	0.00	2.92
May 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.16
Total	65036.55	8222.28	0.00	0.00	56814.27	605001.00	418801.30	110360.00	6695.00	2704.36

Notes: (1) Metal and paper/cardboard packaging were collected by recycler for recycling.
(2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material collected by recycler for recycling.
(3) General refuse was disposed of at NENT by subcontractors.

Annex H2

Operation Phase Waste Flow Table

No. EP/SP/61/10 of Organic Resources Recovery Centre (Phase 1)
Monthly Summary Waste Flow Table

Month	Chemical Waste	Waste Generated from Pretreatment Process				General Refuse							
		Disposed of at Landfill (see Note 1)	Metals (see Note 2)	Paper/ cardboard packaging (see Note 2)	Plastics (see Note 3)	Disposed of at Landfill (see Note 1 & 4)		Metals (see Note 2)		Paper/ cardboard packaging (see Note 2)		Plastics (see Note 3)	
	Litre	tonne	kilogram	kilogram	kilogram	No. of collection	tonne	No. of collection	kilogram	No. of collection	kilogram	No. of collection	kilogram
March 2019	1,200	477.08	0	0	0	26	1.50	0	0	0	0	0	0
April 2019	0	455.60	0	0	0	22	1.27	0	0	0	0	0	0
May 2019	1,000	528.22	0	0	0	25	2.88	0	0	0	0	1	390
Total	2,200	1,460.91	0	0	0	48	2.76	0	0	0	0	1	390

Notes:

1. General refuse was disposed of at NENT by subcontractors.
2. Metal and paper/cardboard packaging were collected by recycler for recycling.
3. Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material collected by recycler for recycling.
4. It was assumed that four 240-litre bins filled with 80% of general refuse were collected at each collection. The general refuse density was assumed to be around 0.15 kg/L.

Annex I

Environmental Complaint, Environmental Summons and Persecution Log

Annex I Cumulative Complaint and Summons/Prosecutions Log

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
May 2015	0	0
June 2015	0	0
July 2015	0	0
August 2015	0	0
September 2015	0	0
October 2015	0	0
November 2015	0	0
December 2015	0	0
January 2016	0	0
February 2016	0	0
March 2016	0	0
April 2016	0	0
May 2016	0	0
June 2016	0	0
July 2016	0	0
August 2016	0	0
September 2016	0	0
October 2016	0	0

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
November 2016	0	0
December 2016	0	0
January 2017	0	0
February 2017	0	0
March 2017	0	0
April 2017	0	0
May 2017	0	0
June 2017	0	0
July 2017	0	0
August 2017	0	0
September 2017	0	0
October 2017	0	0
November 2017	0	0
December 2017	0	0
January 2018	0	0
February 2018	0	0
March 2018	0	0
April 2018	0	0
May 2018	0	0
June 2018	0	0

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
July 2018	0	0
August 2018	0	0
September 2018	1	0
October 2018	0	0
November 2018	0	0
December 2018	0	0
January 2019	0	0
February 2019	0	0
March 2019	0	0
April 2019	0	0
May 2019	0	0
Overall Total	**1**	**0**

Annex J

Odour Monitoring Result

Annex J1

Odour Patrol Result

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	1 / 3 / 2019
Type of Patrol	Weekly Patrol / ~~Monthly Independent Patrol~~ /
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (°C)	23.1
Average Relative Humidity (%)	77.8

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	10:37	0 / 1 / 2 / 3 / 4	P1:0 P2:1 Biogas	(Intermittent) / Continuous	Biogas Holder	
Location 2	10:38	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 3	10:39	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 4	10:42	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 5	10:44	0 / (1) / 2 / 3 / 4	Grass	(Intermittent) / Continuous	Grass	
Location 6	10:46	0 / 1 / 2 / 3 / 4	P1:1 P2:0 Biogas	(Intermittent) / Continuous	Biogas Holder	
Location 7	10:49	0 / 1 / 2 / 3 / 4	P1:1 P2:0 Biogas	(Intermittent) / Continuous	Biogas Holder	
Location 8	10:51	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM		Edwin Wong	HO Tsz kin	Sarah HO
Signature	F/S	NA			Sarah
Date	1/3/2019		1/3/2019	1/3/2019	1/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	1 / 3 / 2019
Type of Patrol	Weekly Patrol / ~~Monthly Independent Patrol~~ /
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Average Temperature (℃)	22.5
Average Relative Humidity (%)	80.2

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	17:05	0 / (1) / 2 / 3 / 4	Biogas	Intermittent / (Continuous)	Biogas Holder	
Location 2	17:06	0 / (1) / 2 / 3 / 4	Biogas	Intermittent / (Continuous)	Biogas Holder	
Location 3	17:07	0 / (1) / 2 / 3 / 4	Biogas	Intermittent / (Continuous)	Biogas Holder	
Location 4	17:09	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 5	17:11	0 / (1) / 2 / 3 / 4	Grass	Intermittent / (Continuous)	Grass	
Location 6	17:13	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 7	17:16	0 / (1) / 2 / 3 / 4	Biogas	Intermittent / (Continuous)	Biogas Holder	
Location 8	17:17	0 / 1 / 2 / 3 / 4	P1: 1 P2: 0 Rubbish	(Intermittent) / Continuous	Rubbish Truck	

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM		Edwin Wong	Ho Tsz kin	Sarah Ho
Signature	Fiona	NA	Ew		Sarah.
Date	1/3/2019		1-3-2019	1-3-2019	1/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	4 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Average Temperature (℃)	23.8
Average Relative Humidity (%)	66

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	11:07	0 / (1) / 2 / 3 / 4	Biogas	~~Intermittent~~ / Continuous	Biogas Holder	
Location 2	11:09	0 / (1) / 2 / 3 / 4	Biogas	Intermittent / (Continuous)	Biogas Holder	
Location 3	11:10	0 / (1) / 2 / 3 / 4	Biogas	~~Intermittent~~ / Continuous	Biogas Holder	
Location 4	11:13	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 5	11:15	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 6	11:19	0 / (1) / 2 / 3 / 4	Biogas	~~Intermittent~~ / Continuous	Biogas Holder	
Location 7	11:25	0 / (1) / 2 / 3 / 4	Diesel	Intermittent / (Continuous)	Machine	
Location 8	11:26	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TESS CHAN				Sarah HO
Signature	Tess	NA	NA	NA	Sarah
Date	04 MAR 2019				4/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	8 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (°C)	20.1
Average Relative Humidity (%)	71

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	10:09	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 2	10:11	0 / (1) / 2 / 3 / 4	Biogas	(Intermittent) / Continuous	Biogas Holder	
Location 3	10:12	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 4	10:15	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 5	10:19	0 / (1) / 2 / 3 / 4	Grass	*Intermittent /* (Continuous)	Grass	
Location 6	10:22	0 / (1) / 2 / 3 / 4	Rubbish	(Intermittent) / Continuous	Unknown source	
Location 7	10:29	0 / (1) / 2 / 3 / 4	Engine	(Intermittent) / Continuous	Truck	
Location 8	10:31	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM				Sarah HO
Signature	Fiona	NA	NA	NA	Sarah
Date	8/3/2019				8 / 3 / 2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	11 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Average Temperature (°C)	24.8
Average Relative Humidity (%)	50

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	14:03	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 2	14:06	0 / (1) / 2 / 3 / 4	Biogas (strong) wastewater	*Intermittent / Continuous*	Biogas Holder Desulphurization Unit area	
Location 3	14:07	(0) / (1) / 2 / 3 / 4		*Intermittent / Continuous*		
Location 4	14:11	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 5	14:13	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 6	14:17	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 7	14:22	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 8	14:23	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM				~~[illegible]~~ Sarah Ho
Signature	Fiona	NA	NA	NA	Sarah
Date	11/3/2019				11/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	13 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Average Temperature (℃)	26.8
Average Relative Humidity (%)	50

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	13:31	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 2	13:33	0 / (1) / 2 / 3 / 4	Biogas	*Intermittent / Continuous*	Biogas Holder	
Location 3	13:34	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 4	13:36	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 5	13:38	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 6	13:41	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 7	13:44	0 / (1) / 2 / 3 / 4	oil	*Intermittent / Continuous*	Machine	
Location 8	13:46	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TESS CHAN				Sarah HO
Signature		NA	NA	NA	Sarah
Date	13 MAR 2019				13/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	15 March 2019
Type of Patrol	Weekly Patrol / ~~Monthly Independent Patrol~~ /
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Average Temperature (°C)	22.8
Average Relative Humidity (%)	97%

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	10:59	(0) / 1 / 2 / 3 / 4	—	~~Intermittent / Continuous~~		
Location 2	11:02	0 / (1) / 2 / 3 / 4	Biogas smell/plastic	Intermittent / Continuous	Biogas Hold PRV	—
Location 3	11:03	0 / (1) / 2 / 3 / 4	Biogas smell	Intermittent / Continuous	Vehicular Emission	—
Location 4	11:05	(0) / 1 / 2 / 3 / 4	—	Intermittent / Continuous		
Location 5	11:06	(0) / 1 / 2 / 3 / 4	—	Intermittent / Continuous		
Location 6	11:09	(0) / 1 / 2 / 3 / 4	—	Intermittent / Continuous		
Location 7	11:11	(0) / 1 / 2 / 3 / 4	—	Intermittent / Continuous		
Location 8	11:13	(0) / 1 / 2 / 3 / 4	—	Intermittent / Continuous		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TEE CHAI				Patience CHAN
Signature					
Date	15 MAR 2019				15/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	18 Mar 2019
Type of Patrol	Weekly Patrol / ~~Monthly Independent Patrol~~ /
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Average Temperature (°C)	26°C
Average Relative Humidity (%)	65%

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	14:14	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 2	14:15	0 / (1) / 2 / 3 / 4	Plastic Smell	(Intermittent) / Continuous	PRV of Gas Holder	
Location 3	14:16	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 4	14:19	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 5	14:21	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 6	14:23	0 / (1) / 2 / 3 / 4	Soil Smell	~~Intermittent~~ / Continuous	Landscape works nearby at B2/B1	
Location 7	14:26	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 8	14:27	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	David Choi				Terence CHAN
Signature					
Date	18/3/2019				18/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	20 Mar 2019
Type of Patrol	Weekly Patrol / ~~Monthly Independent Patrol /~~
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (°C)	25°C
Average Relative Humidity (%)	80%

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	11:05	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 2	11:07	0 / (1) / 2 / 3 / 4	Plastic smell	*Intermittent / Continuous*	PRV of Gas Holder	-
Location 3	11:08	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 4	11:10	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 5	11:12	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 6	11:14	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 7	11:16	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 8	11:17	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi				Terence CHAN
Signature					
Date	20/3/2019				20/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	22 Mar 2019
Type of Patrol	Weekly Patrol / ~~Monthly Independent Patrol~~ /
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (°C)	27°C
Average Relative Humidity (%)	85%

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	1:04	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 2	1:06	0 / (1) / 2 / 3 / 4	Plastic Smell	(Intermittent) / Continuous	PSV of Gas Holder	
Location 3	1:07	0 / (1) / 2 / 3 / 4	H_2S smell	(Intermittent) / Continuous	desulphur Analyser	
Location 4	1:10	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 5	1:12	0 / (1) / 2 / 3 / 4	Glass smell	(Intermittent) / Continuous	Landscape	
Location 6	1:16	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 7	1:17	0 / (1) / 2 / 3 / 4	Rubbish Smell	(Intermittent) / Continuous	Retreatment /	
Location 8	1:19	0 / (1) / 2 / 3 / 4	Rubbish smell	(Intermittent) / Continuous	unknown	

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM				Terence CHAN
Signature	Fiona				
Date	22/3/2019				22/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	25 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (°C)	23.3
Average Relative Humidity (%)	70

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	11:06	0 / (1) / 2 / 3 / 4	Grass Smell	(Intermittent) / Continuous	Grass	
Location 2	11:08	0 / (1) / 2 / 3 / 4	Biogas	(Intermittent) / Continuous	Biogas Holder	
Location 3	11:10	0 / (1) / 2 / 3 / 4	H_2S	(Intermittent) / Continuous	Desulphurization Unit	
Location 4	11:13	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 5	11:16	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 6	11:18	0 / (1) / 2 / 3 / 4	Compost	(Intermittent) / Continuous	Composting Hall	
Location 7	11:22	0 / (1) / 2 / 3 / 4	Generator	Intermittent / Continuous	Electric Generator	
Location 8	11:25	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Fiona LAM				Sarah HO
Signature	Fiona	NA	NA	NA	Sarah
Date	25/3/2019				25 / 3 / 2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	27 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (°C)	24.4
Average Relative Humidity (%)	69

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	10:05	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 2	10:07	0 / (1) / 2 / 3 / 4	Biogas	*Intermittent / (Continuous)*	Biogas Holder	
Location 3	10:08	0 / (1) / 2 / 3 / 4	Biogas	*(Intermittent) / Continuous*	Biogas Holder	
Location 4	10:11	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 5	10:14	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 6	10:16	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 7	10:18	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		
Location 8	10:19	(0) / 1 / 2 / 3 / 4		*Intermittent / Continuous*		

Remark

	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM				Sarah HO
Signature	Fiona	NA	NA	NA	Sarah.
Date	27/3/2019				27/3/2019

Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

Organic Resources Recovery Centre (Phase 1)
Odour Patrol Record Log Sheet

OSCAR BIOENERGY

Date	29 / 3 / 2019
Type of Patrol	(Weekly Patrol) / Monthly Independent Patrol /
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Average Temperature (℃)	25.8
Average Relative Humidity (%)	80

Monitoring Location	Time	Odour Intensity	Odour Characteristics	Duration	Possible Source of Odour	Remark
Location 1	9:20	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 2	9:22	0 / (1) / 2 / 3 / 4	Biogas	Intermittent / (Continuous)	Biogas Holder	
Location 3	9:23	0 / (1) / 2 / 3 / 4	Biogas	(Intermittent) / Continuous	Biogas Holder	
Location 4	9:26	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 5	9:28	0 / (1) / 2 / 3 / 4	Grass	(Intermittent) / Continuous	Grass	
Location 6	9:30	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		
Location 7	9:33	0 / (1) / 2 / 3 / 4	Rubbish	(Intermittent) / Continuous	Inert Truck	
Location 8	9:35	(0) / 1 / 2 / 3 / 4		Intermittent / Continuous		

Remark

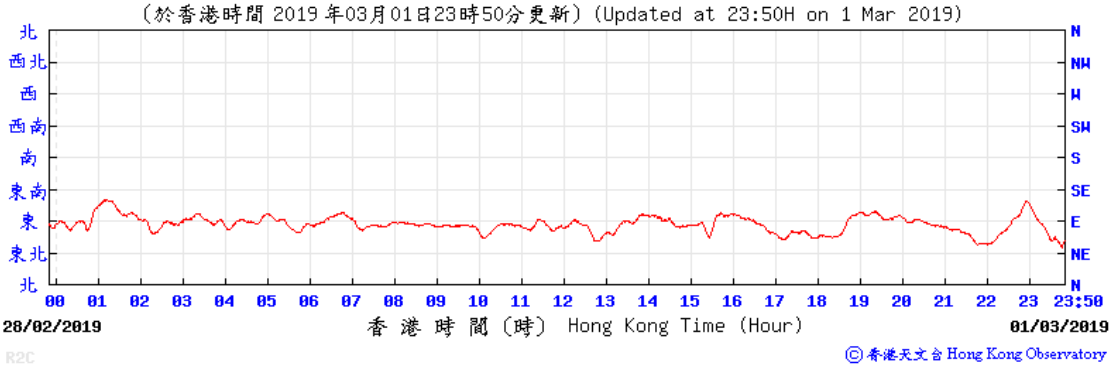
	EPD Representative	Employer Representative	Independent Odour Patrol Team	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM				Sarah HO
Signature	FionA	NA	NA	NA	Sarah
Date	29/3/2019				29/3/2019

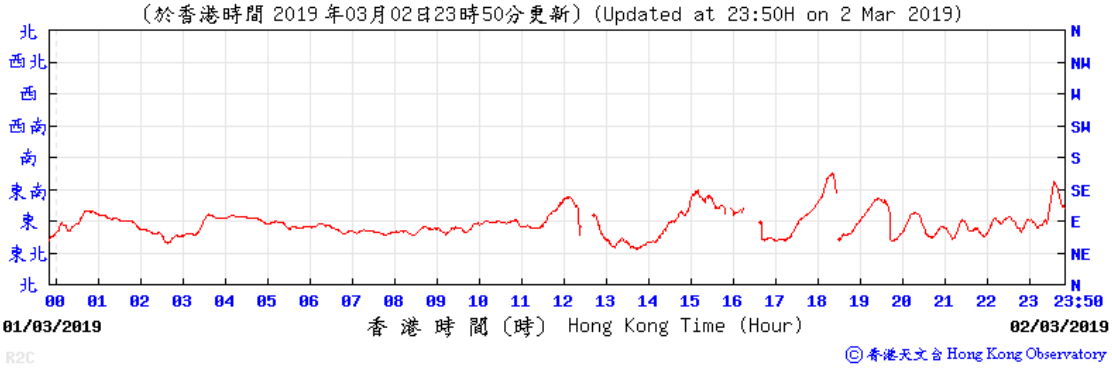
Example of Odour Characteristics	Example of Possible Source of Odour
Biogas / Compost / sewage /rotten-egg smell/ decayed vegetables/ Diesel / ammoniacal/ dischargeable odour/ putrefaction/ sharp/ pungent/ fish/ irritating/ fruit/ vinegar	*PRVs of Gas Holder / Sediment/ Water / SSOW Trucks Doors Opened / Stack emission / Sewage / food waste/ Pretreatment / Machine Operation / Material / others /*

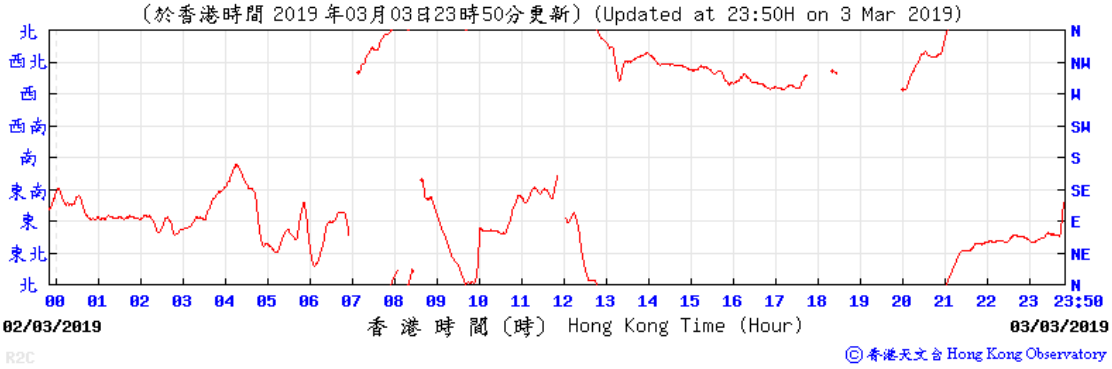
Annex J2

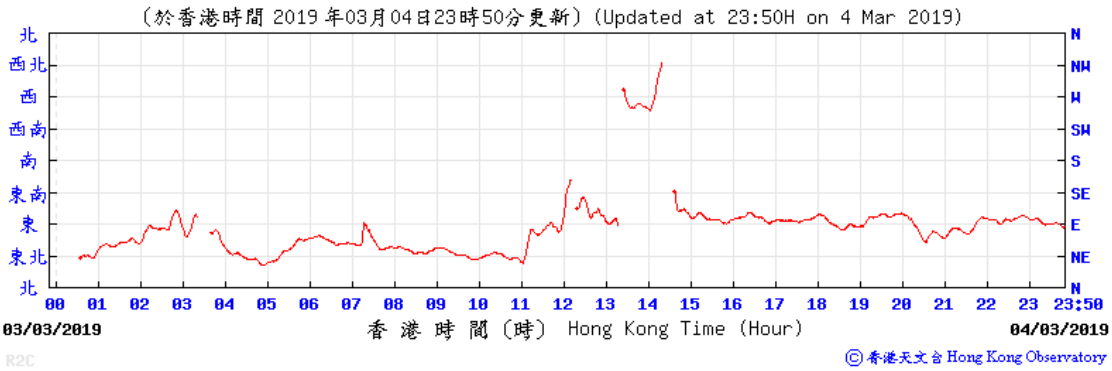
Local Wind Direction and Wind Speed

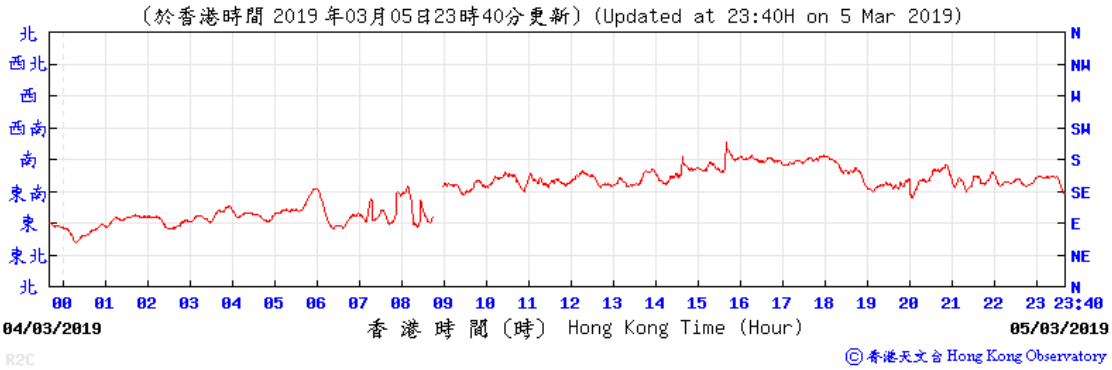
Wind Direction







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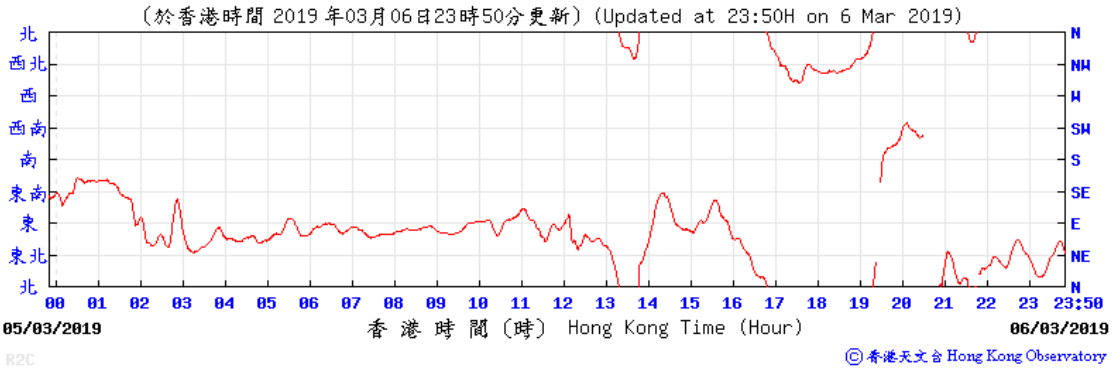
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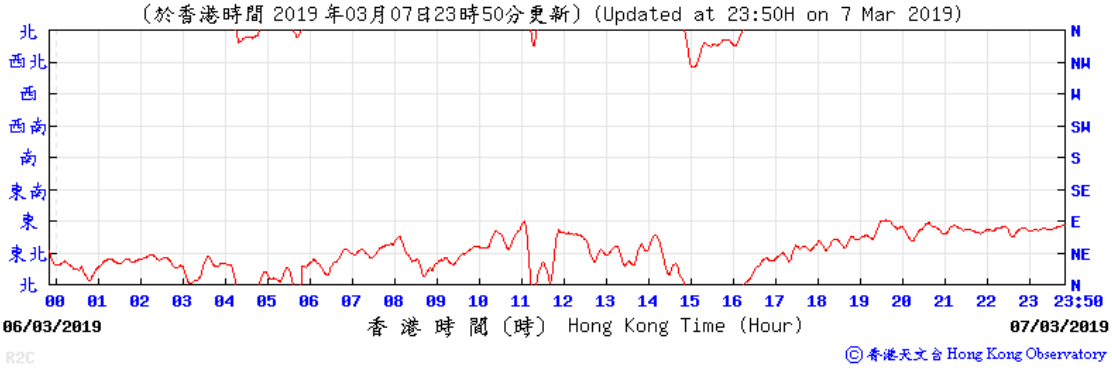
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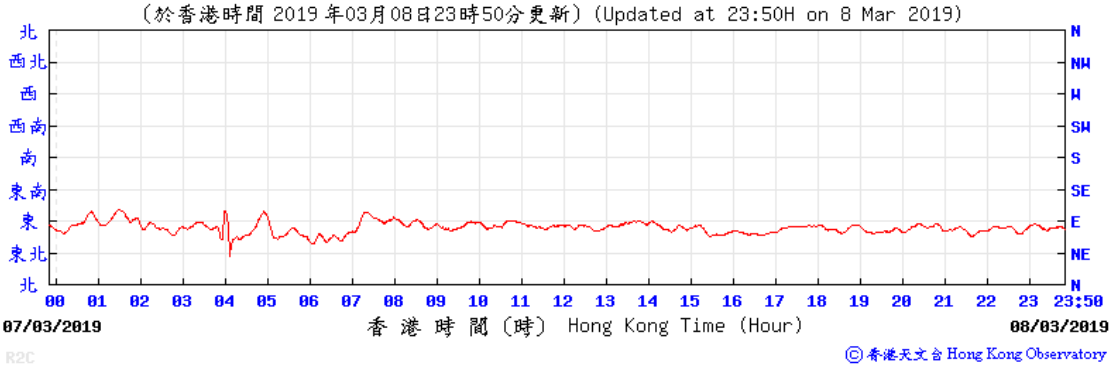
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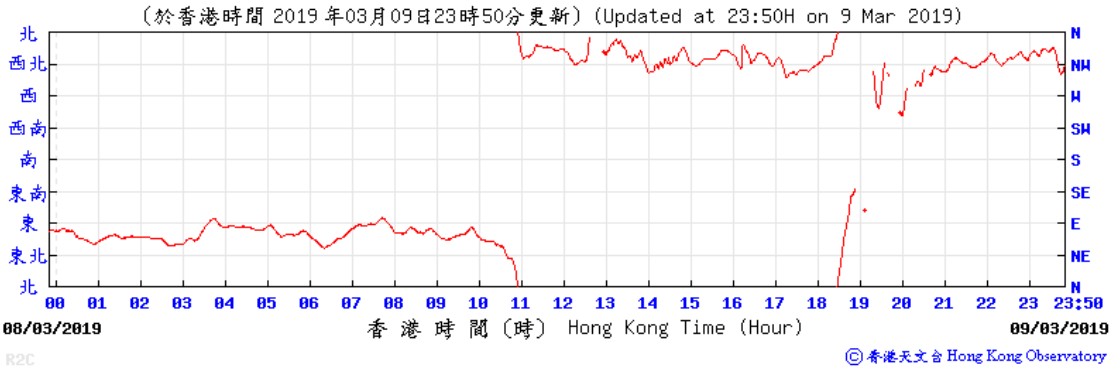
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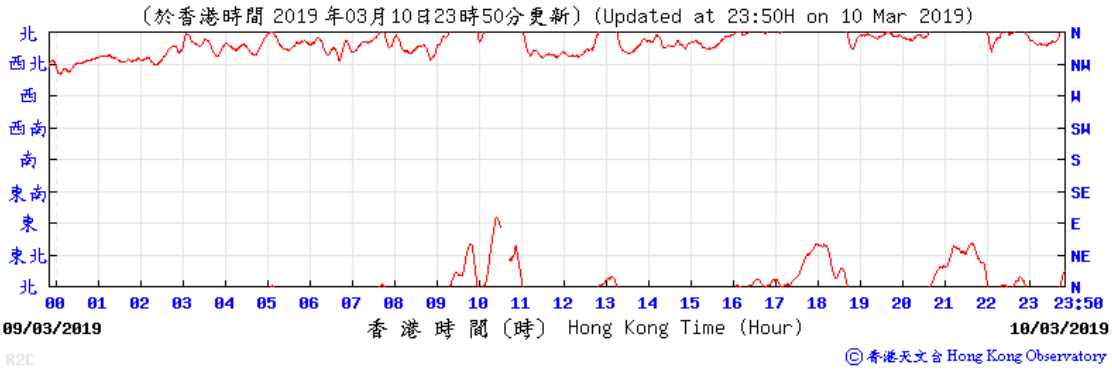
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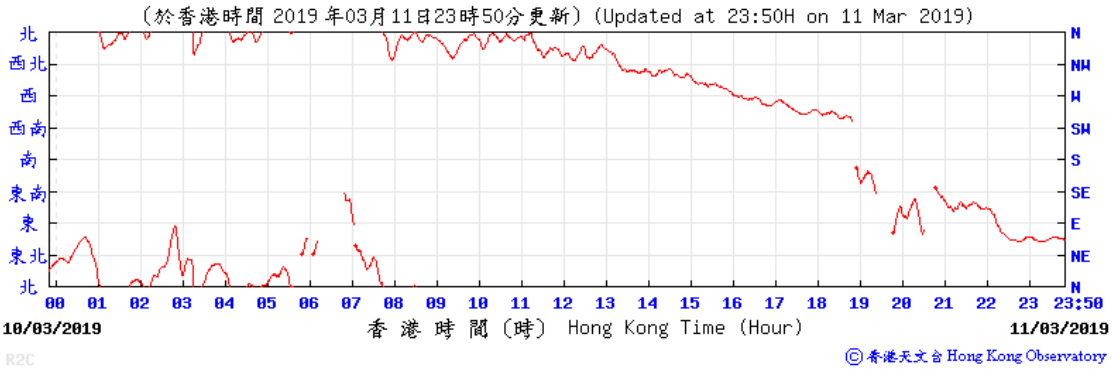
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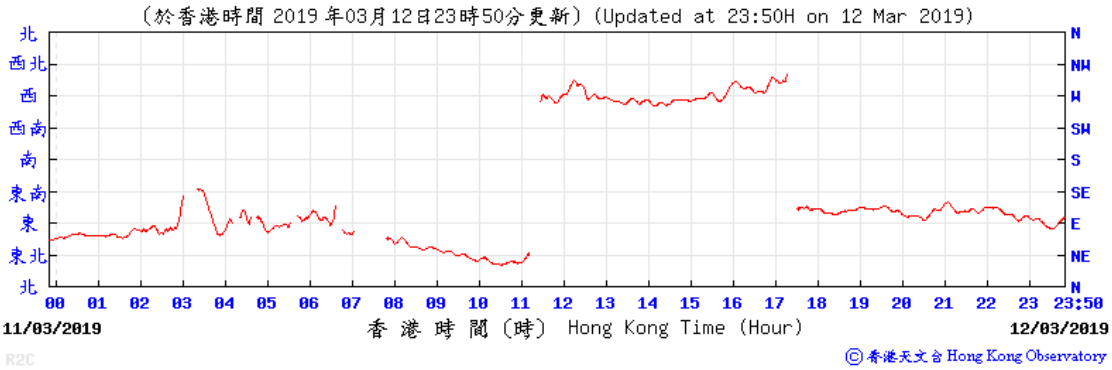
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(於香港時間 2019 年03月13日23時50分更新) (Updated at 23:50H on 13 Mar 2019)

12/03/2019 香 港 時 間 (時) Hong Kong Time (Hour) 13/03/2019

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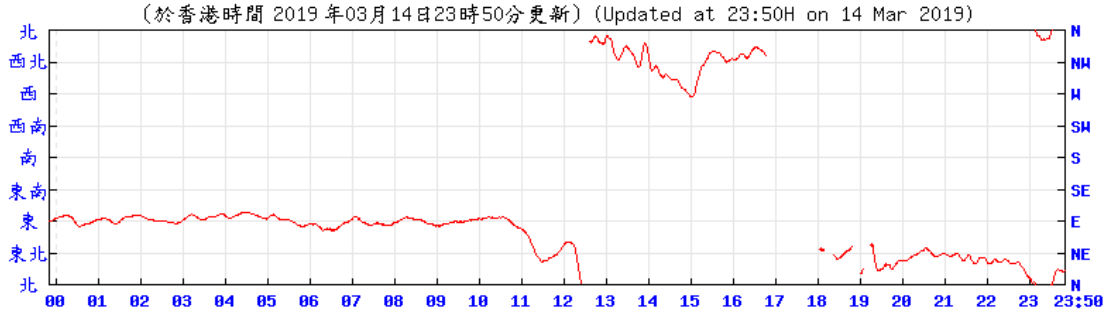

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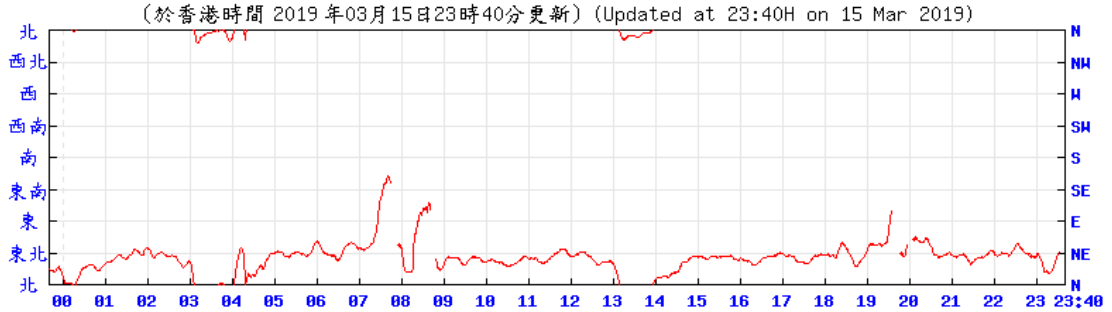

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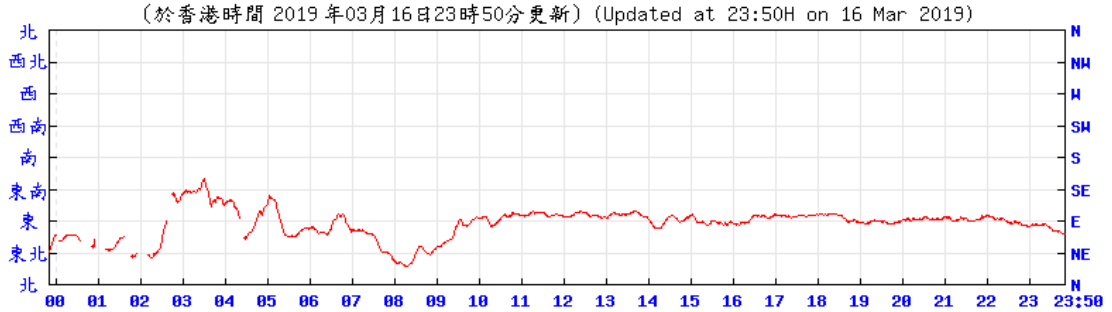

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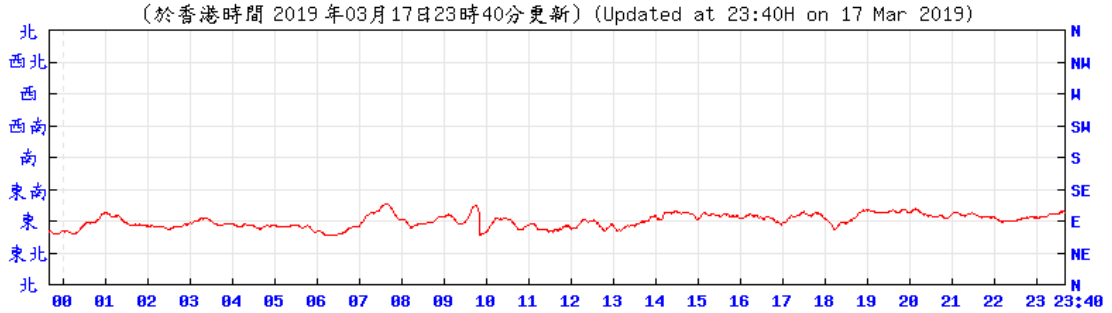

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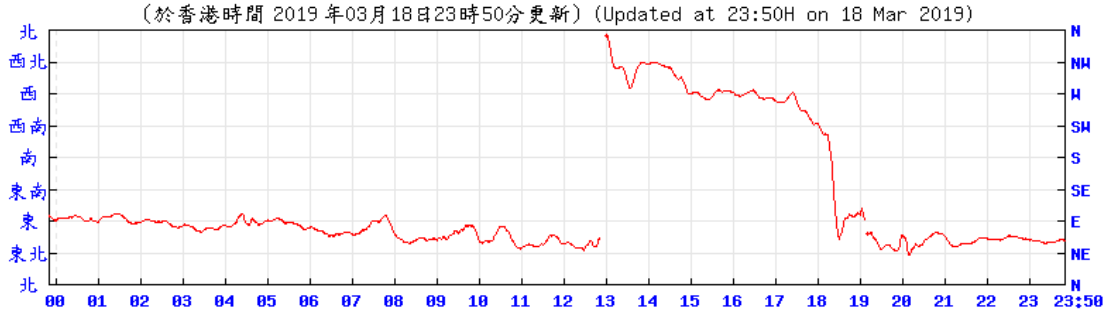

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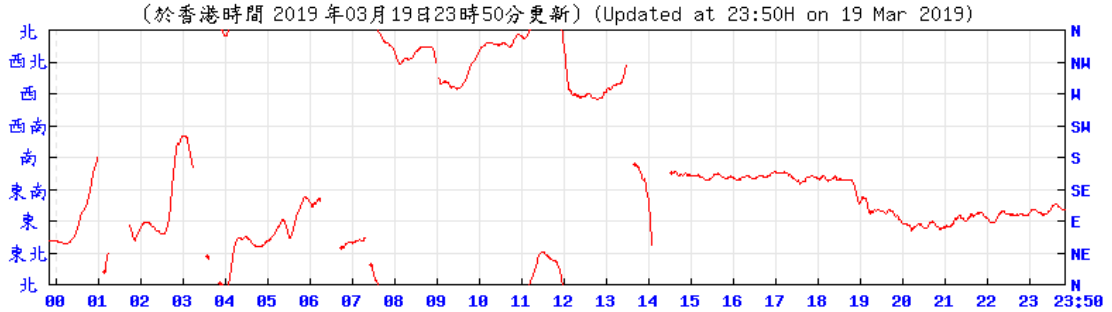

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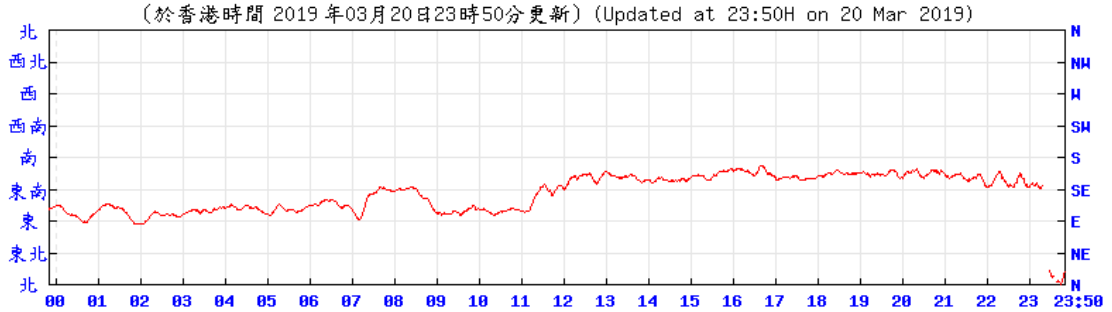

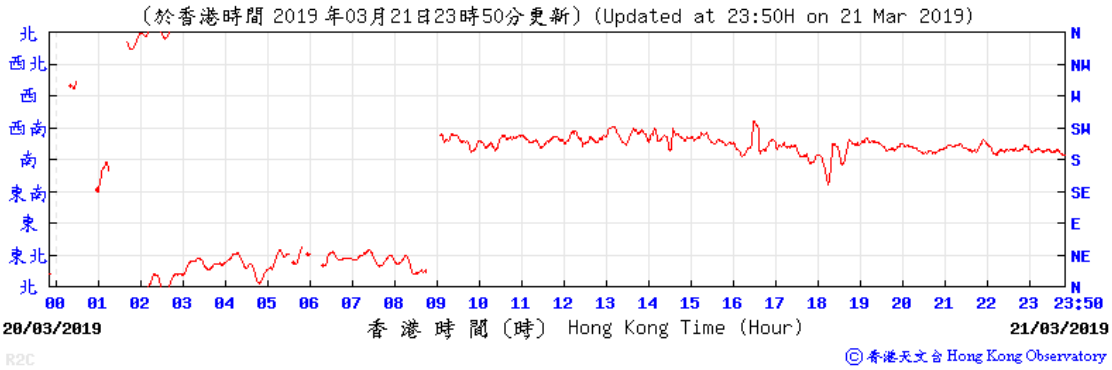
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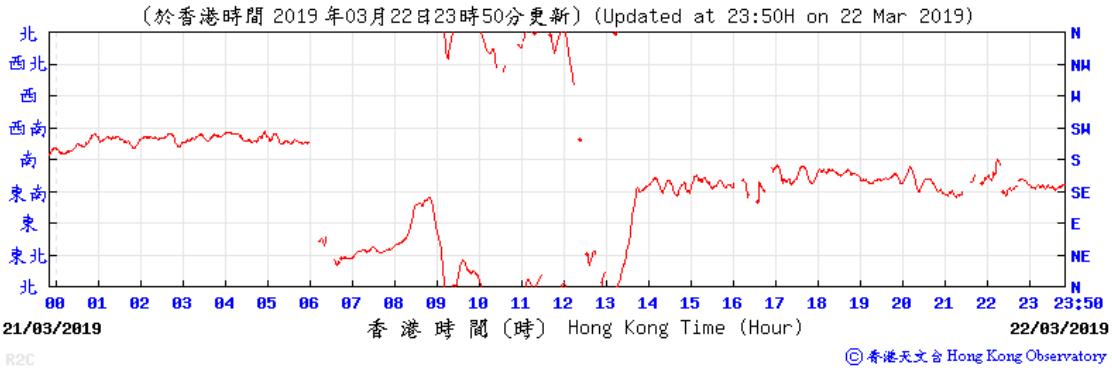
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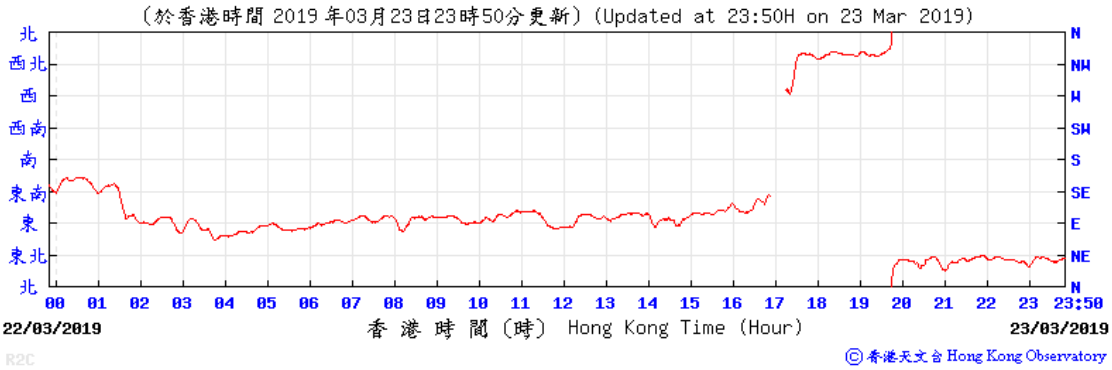
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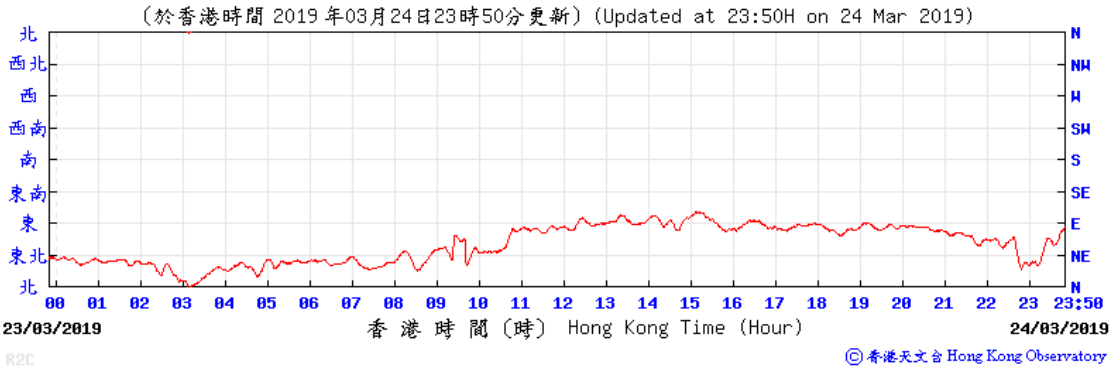
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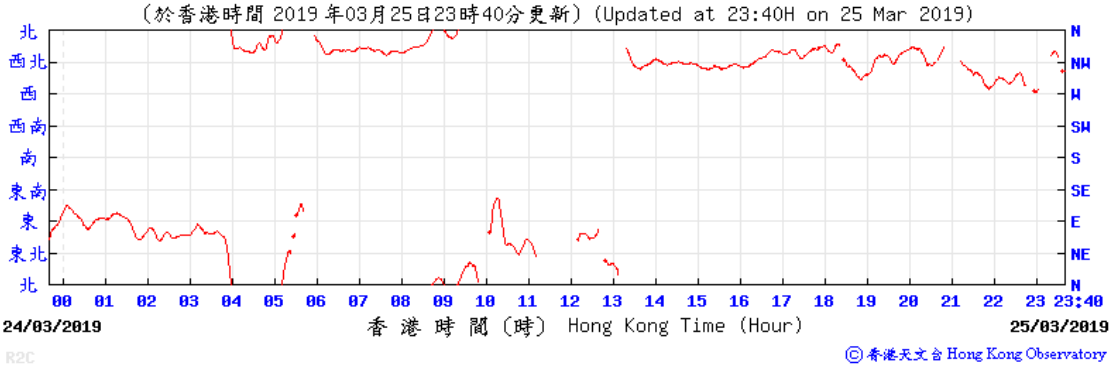

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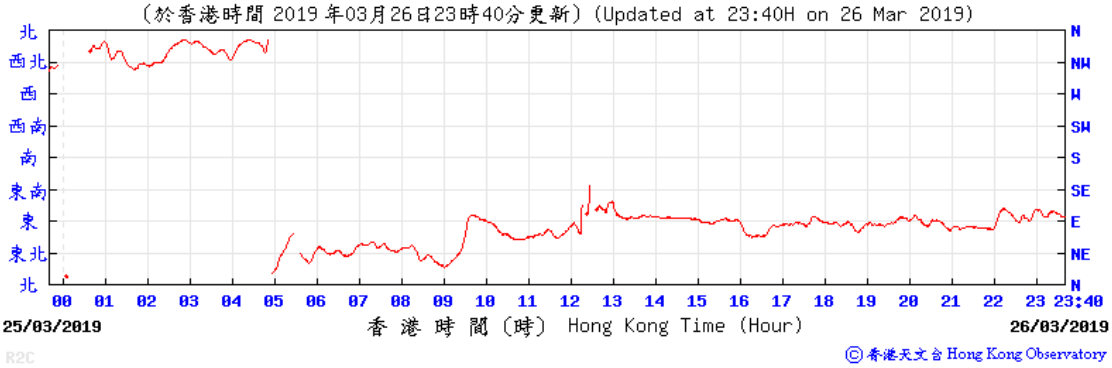

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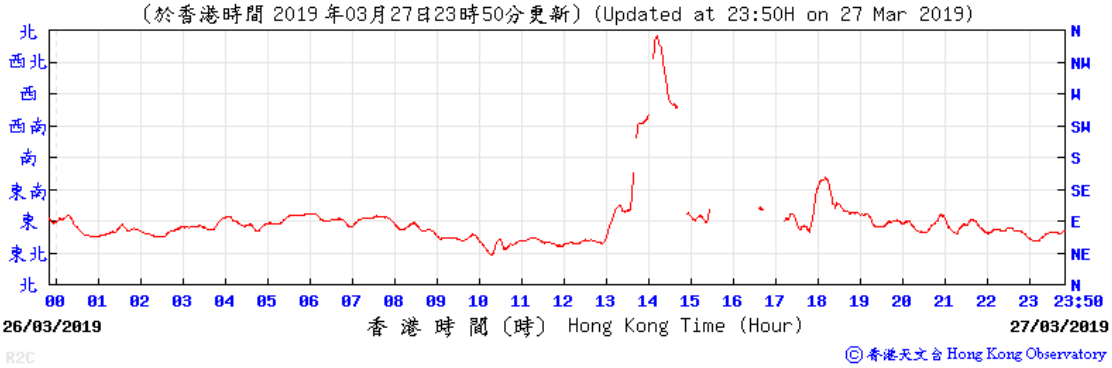

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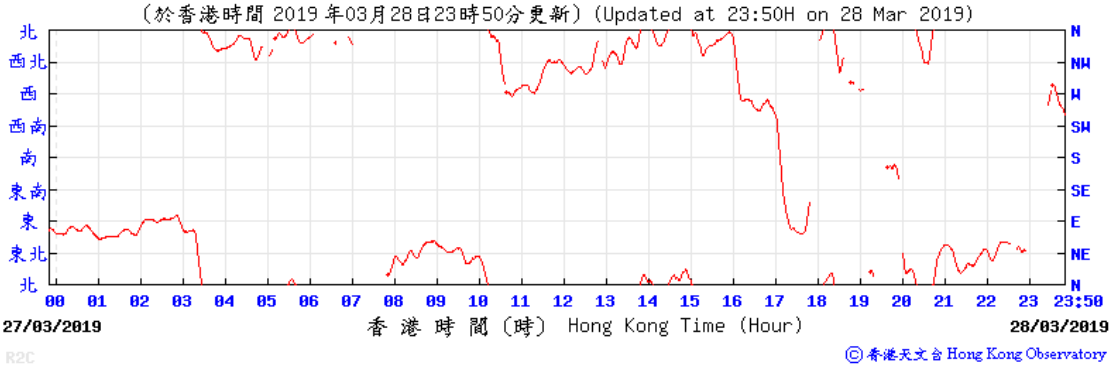

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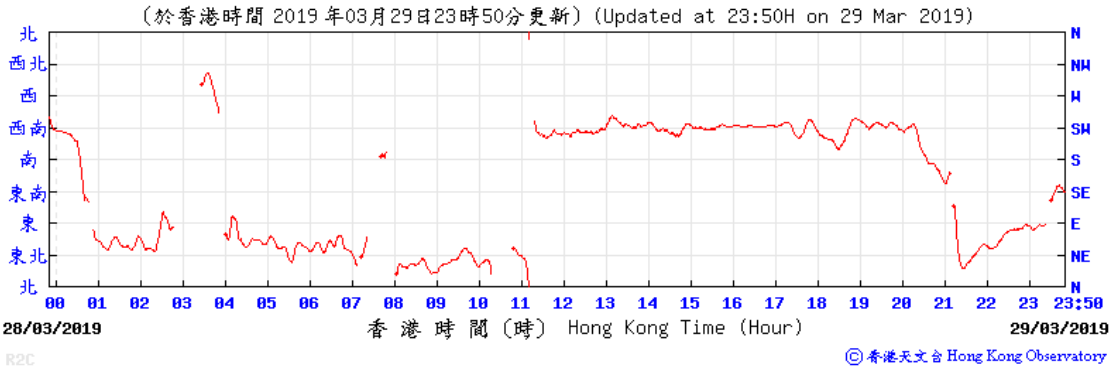
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29/03/2019
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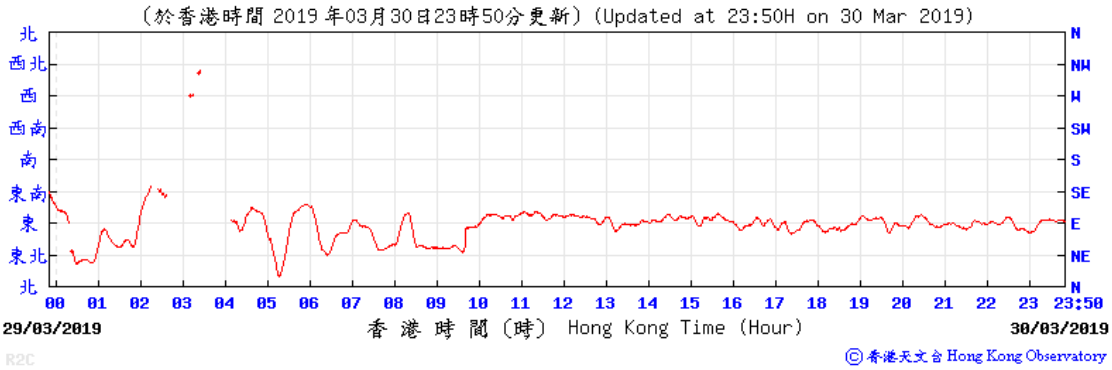
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香 港 時 間 (時) Hong Kong Time (Hour)
30/03/2019
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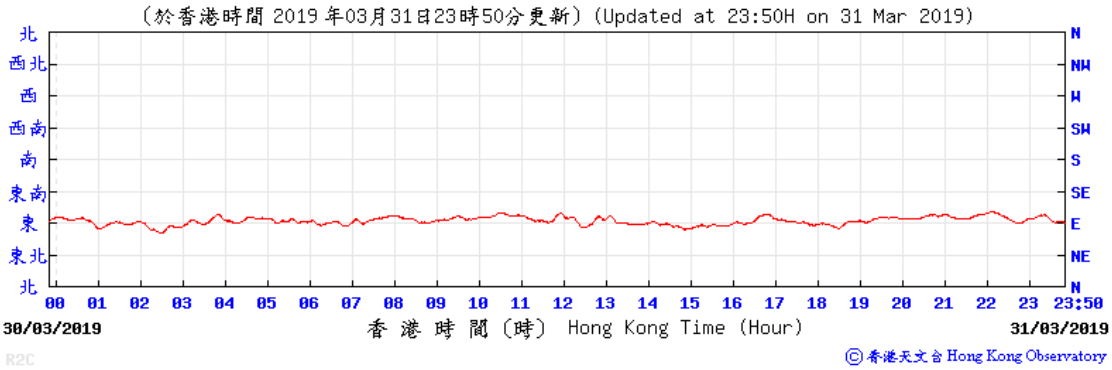
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30/03/2019
香 港 時 間 (時) Hong Kong Time (Hour)
31/03/2019
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Annex J3

Odour Sampling Result

ALS Technichem (HK) Pty Ltd
1/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1864017
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	10 December 2018
		DATE OF ISSUE:	14 December 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 10th December, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1864017-001	CAPC Unit (Bypass AC Filter)	10-Dec-18	11:36-11:41	11	828	Decayed orange with minor bleach smell	1267.4	63,000,000
HK1864017-002	CAPC Unit (Bypass AC Filter)	10-Dec-18	11:41-11:46	11	886	Decayed orange with minor bleach smell	1267.4	67,400,000
HK1864017-003	Field Blank	10-Dec-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

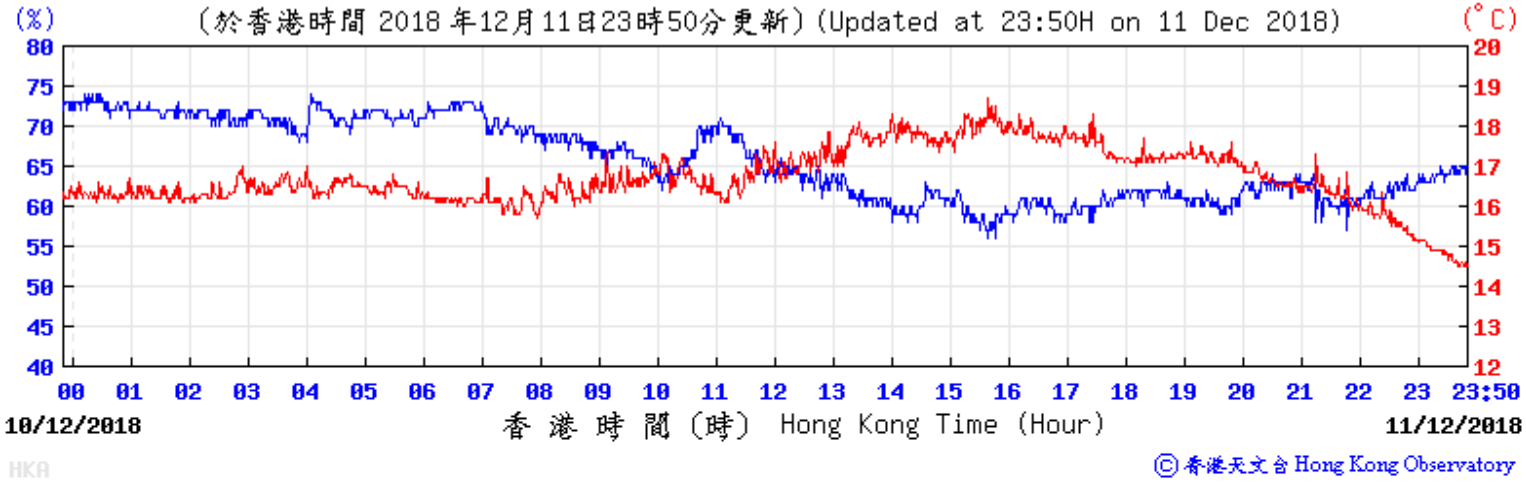
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	10-12-18	11:36 - 11:46	17.3	64.6	1019.4	0.7	320	NA	NA	No odour was smelled.	NA	Cloudy

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

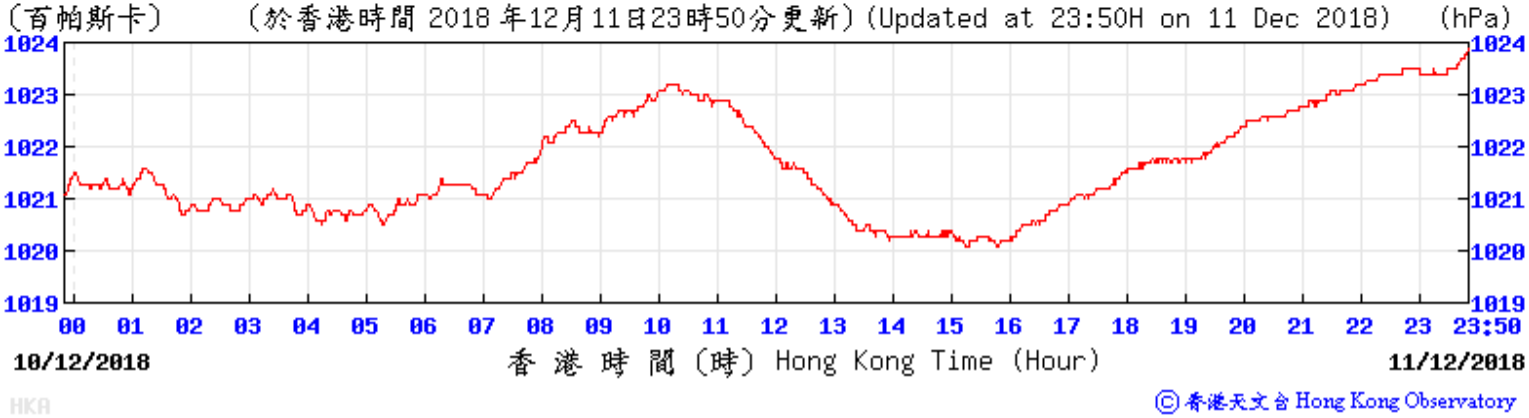
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

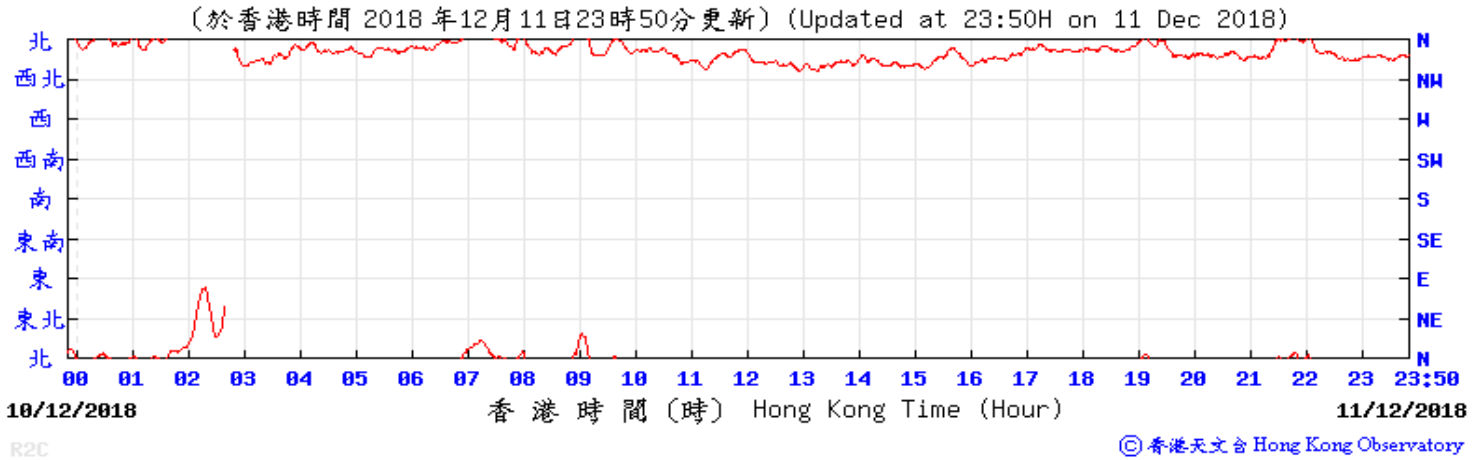
Tempearture/Humidity:



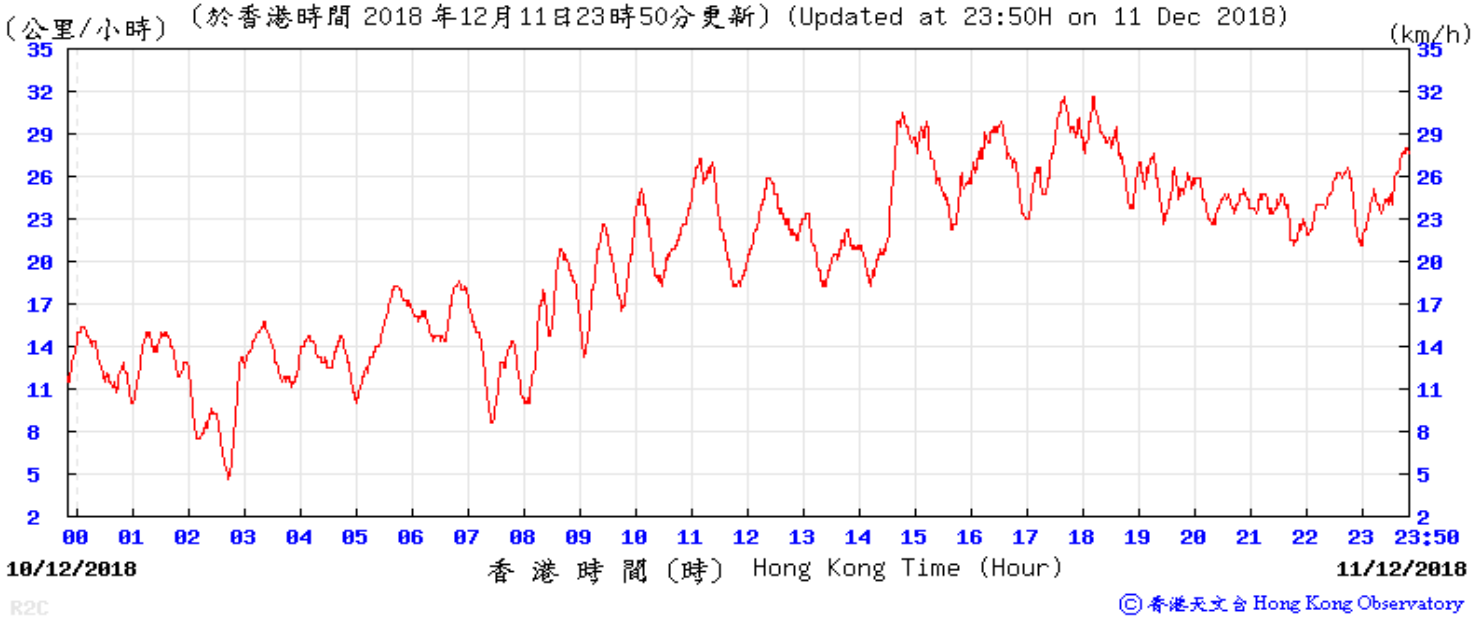
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1864595
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	10 December 2018
		DATE OF ISSUE:	14 December 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 10th December, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1864595-001	CAPC Unit (With AC Filter)	10-Dec-18	11:56 – 12:02	11	773	Decayed orange	1156.5	53,600,000
HK1864595-002	CAPC Unit (With AC Filter)	10-Dec-18	12:02 – 12:07	11	674	Decayed orange	1156.5	46,800,000
HK1864595-003	Field Blank	10-Dec-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

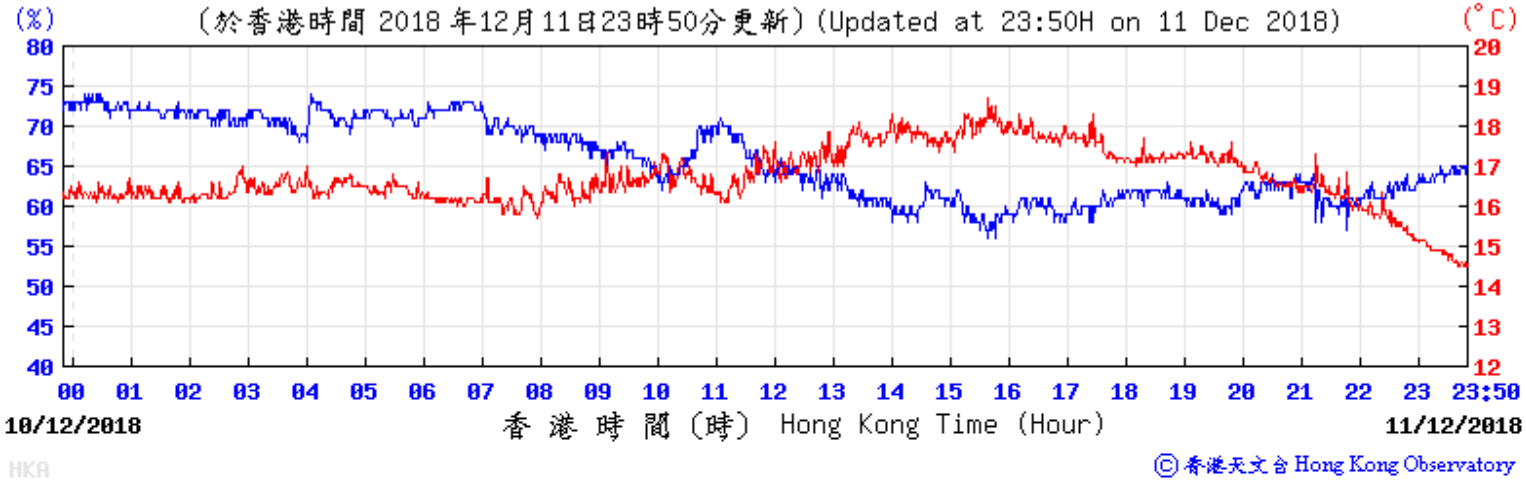
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	10-12-18	11:56 - 12:07	17.8	64.1	1019.4	0.8	291	NA	NA	No odour was smelled.	NA	Cloudy

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

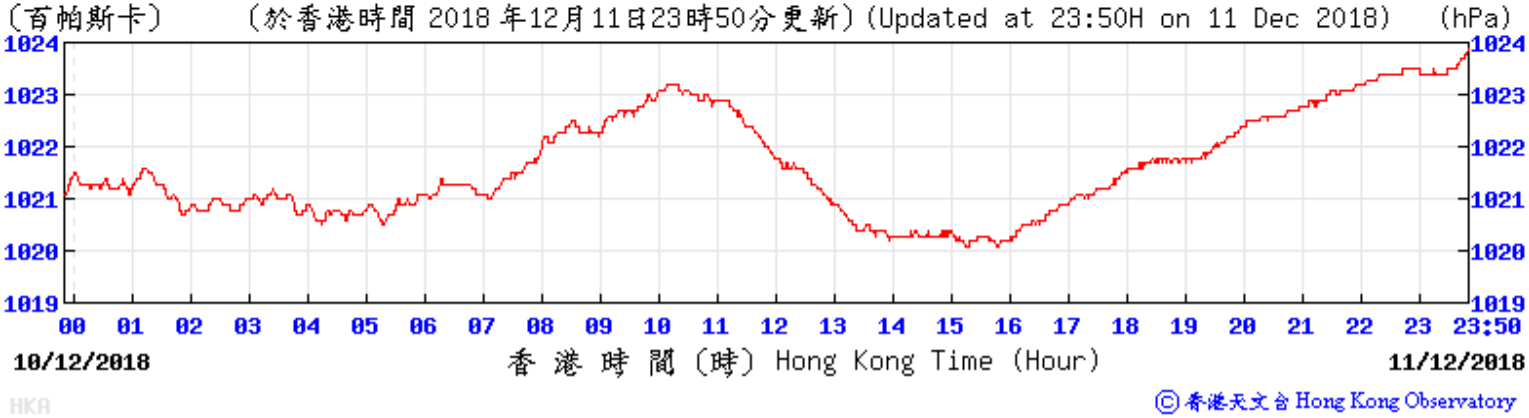
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

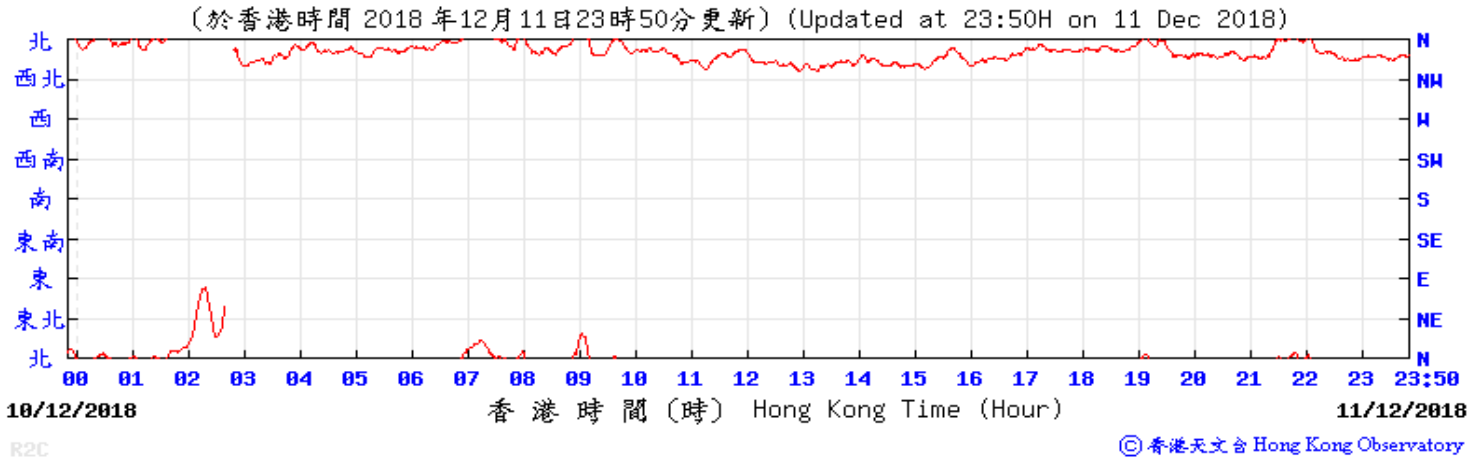
Tempearture/Humidity:



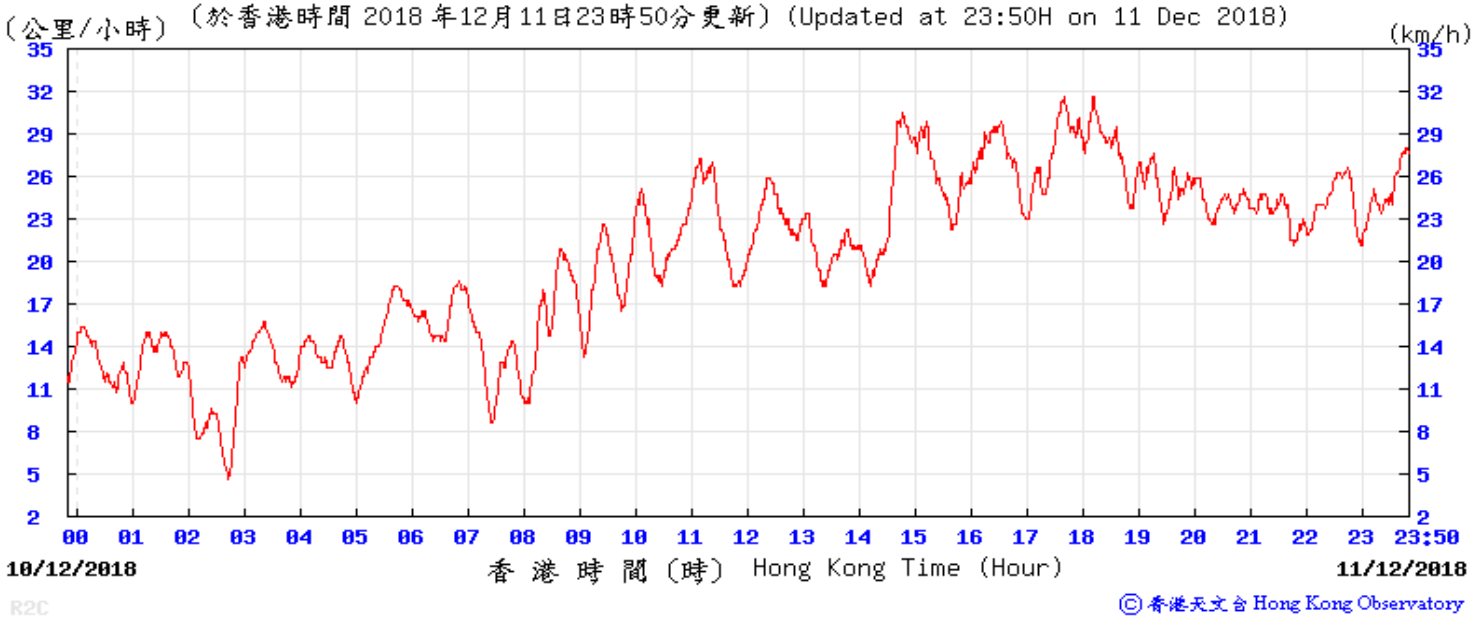
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
1/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1864596
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	11 December 2018
		DATE OF ISSUE:	14 December 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 11th December, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1864596-001	CAPC Unit (Bypass AC Filter)	11-Dec-18	15:13 - 15:17	11	476	Decayed orange with minor bleach smell	1419	40,500,000
HK1864596-002	CAPC Unit (Bypass AC Filter)	11-Dec-18	15:19 - 15:23	11	510	Decayed orange with minor bleach smell	1419	43,400,000
HK1864596-003	Field Blank	11-Dec-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

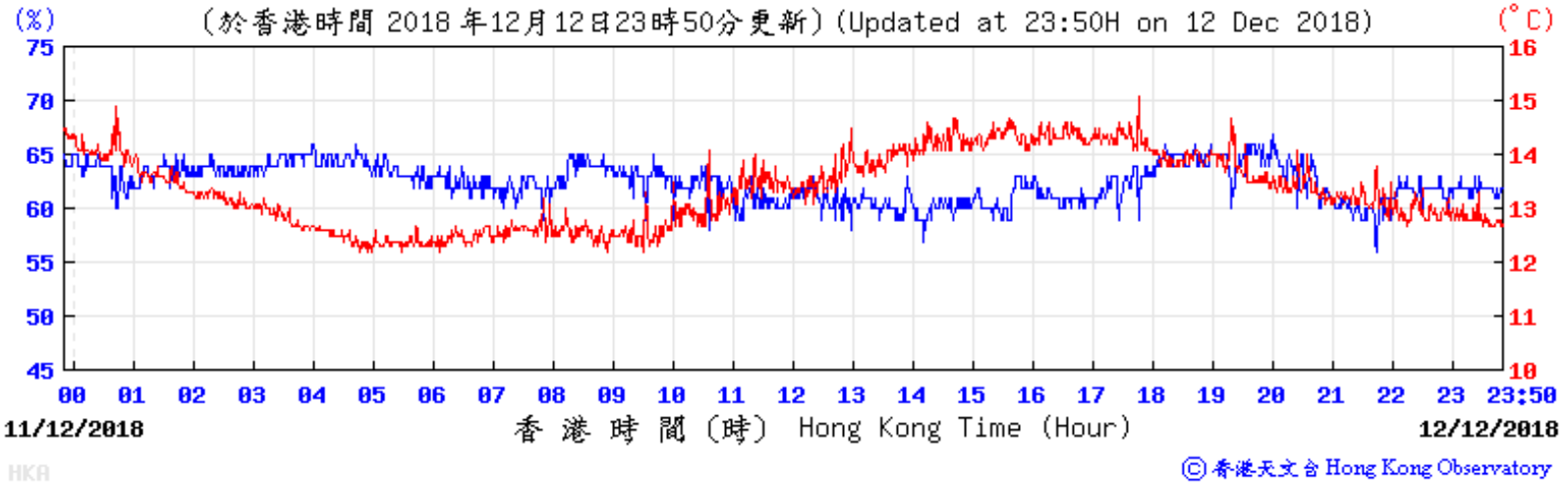
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	11-12-18	15:13 - 15:23	18.0	64.7	1017.6	3.0	321	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

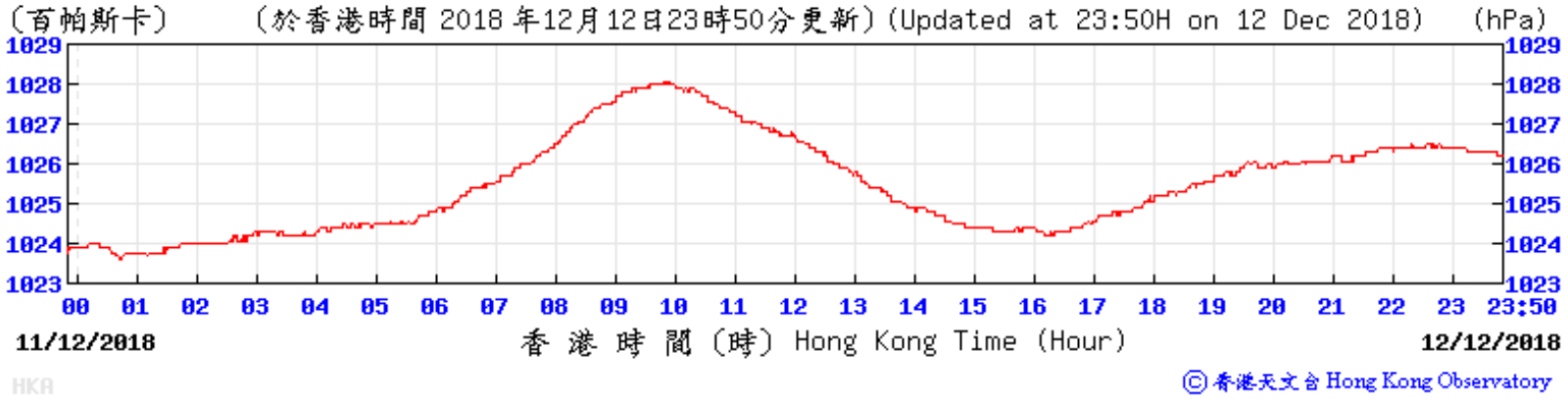
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

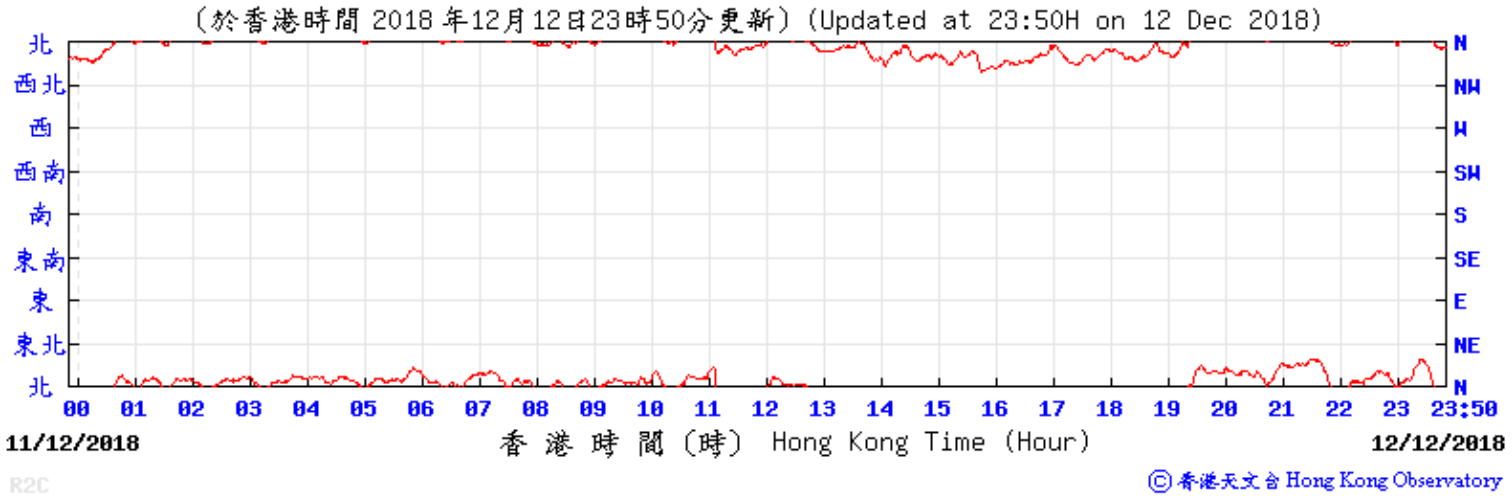
Tempearture/Humidity:



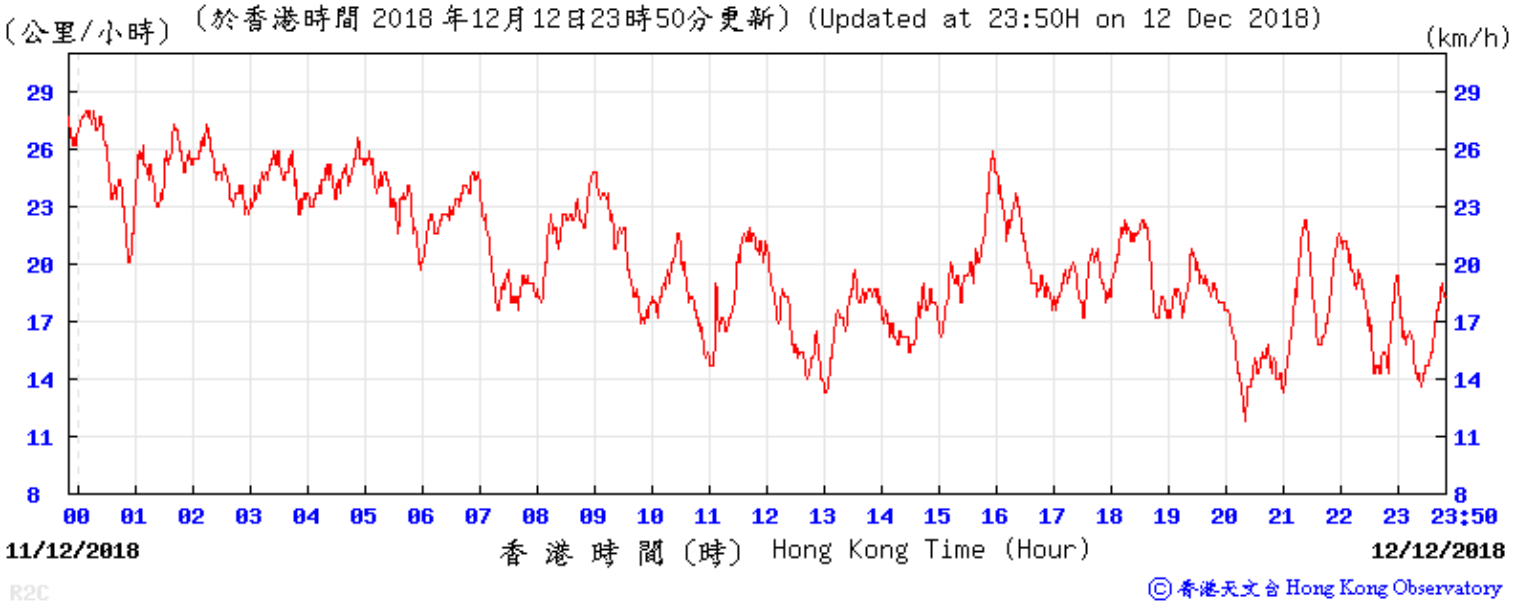
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1864597
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	11 December 2018
		DATE OF ISSUE:	14 December 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 11th December, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1864597-001	CAPC Unit (With AC Filter)	11-Dec-18	15:34 - 15:38	11	414	Decayed orange	1390.1	34,500,000
HK1864597-002	CAPC Unit (With AC Filter)	11-Dec-18	15:38 - 15:43	11	443	Decayed orange	1390.1	37,000,000
HK1864597-003	Field Blank	11-Dec-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

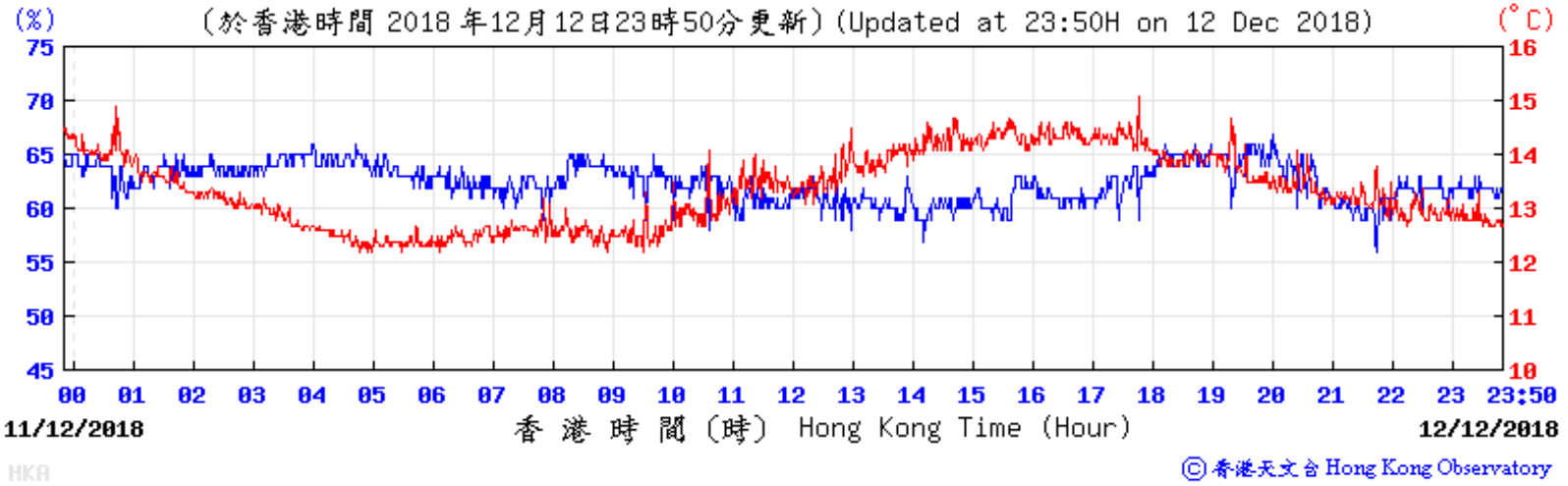
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	11-12-18	15:34 - 15:43	18.3	64.0	1017.6	2.5	281	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

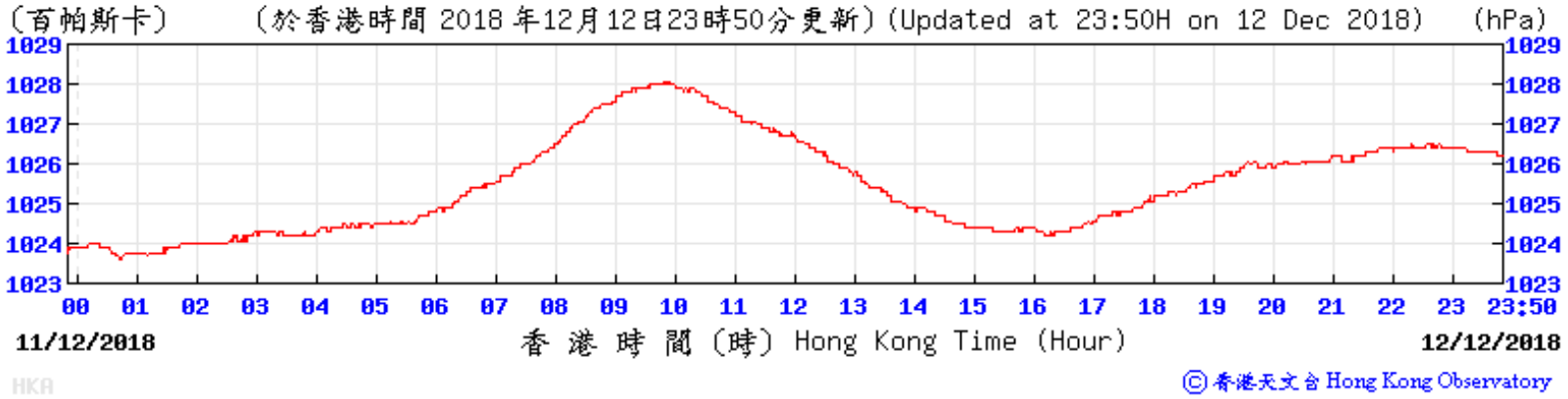
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

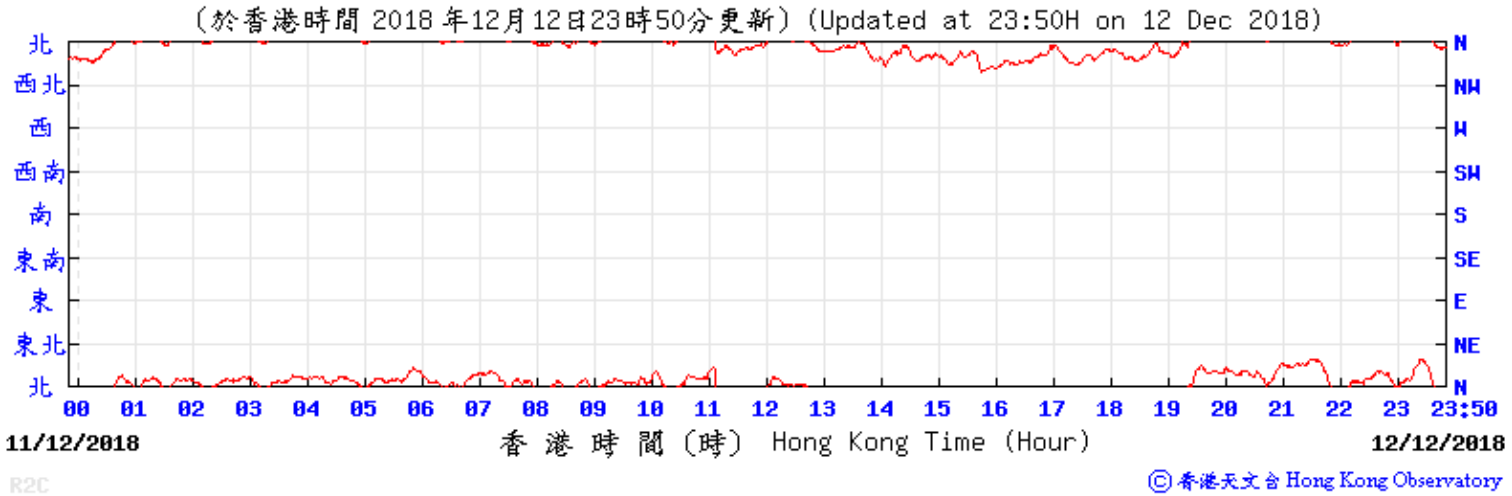
Tempearture/Humidity:



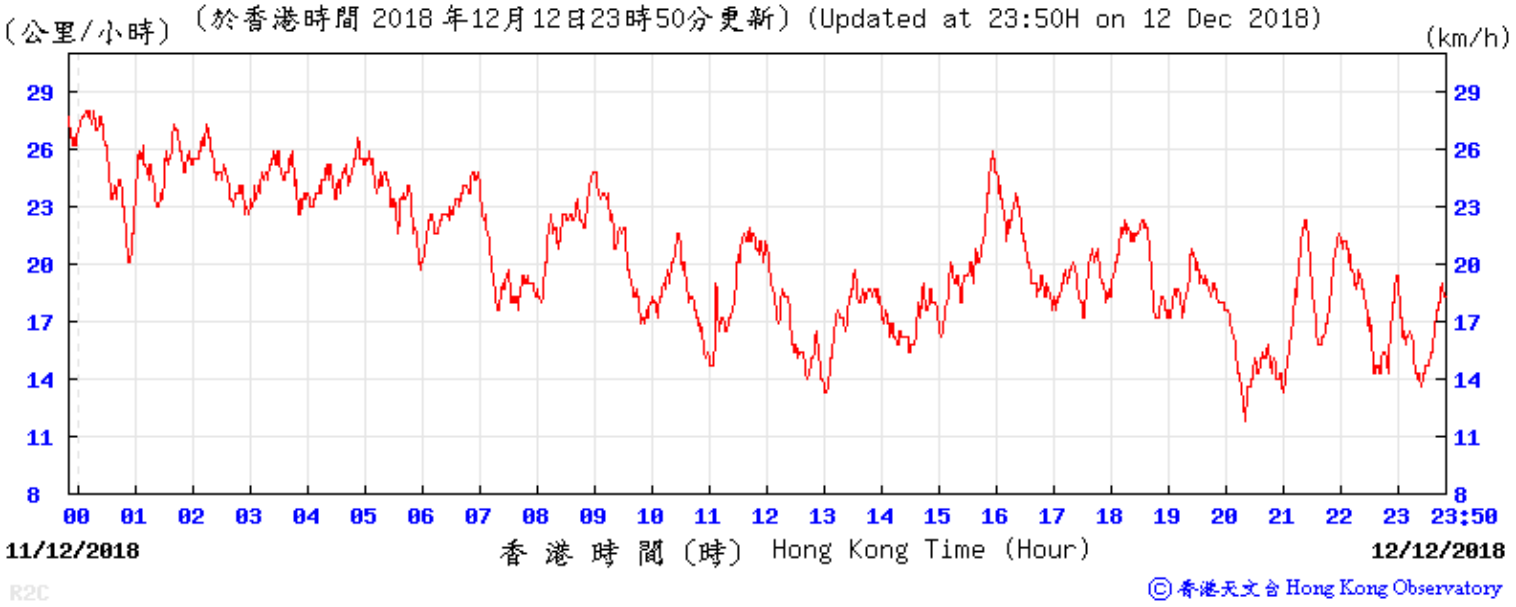
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1866002
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	19 December 2018
		DATE OF ISSUE:	2 January 2019
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 19th December, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1866002-001	CAPC Unit (With AC Filter)	19-Dec-18	15:08 - 15:12	11	1164	Musty smell	1856.4	130,000,000
HK1866002-002	CAPC Unit (With AC Filter)	19-Dec-18	15:29 - 15:33	11	1016	Musty smell	1856.4	113,000,000
HK1866002-003	Field Blank	19-Dec-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

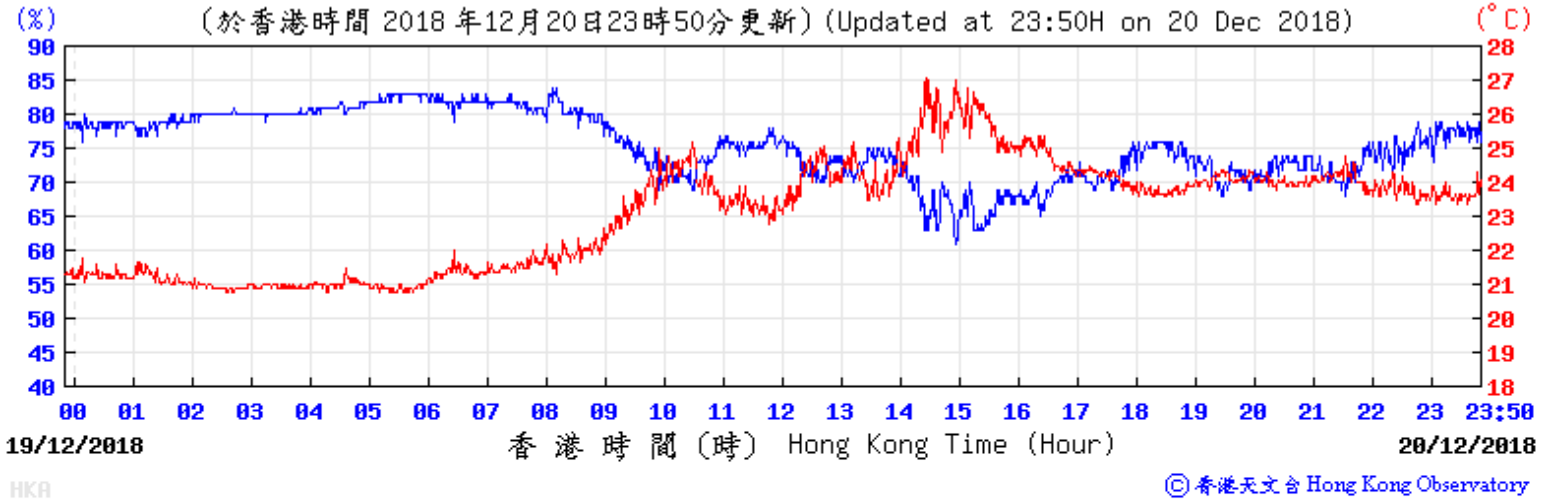
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	19-12-18	15:08 - 15:33	21.5	72.0	1014.9	3.6	335	Yes	Continuous	Bleaching with musty smell	From the Chimney	Cloudy

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

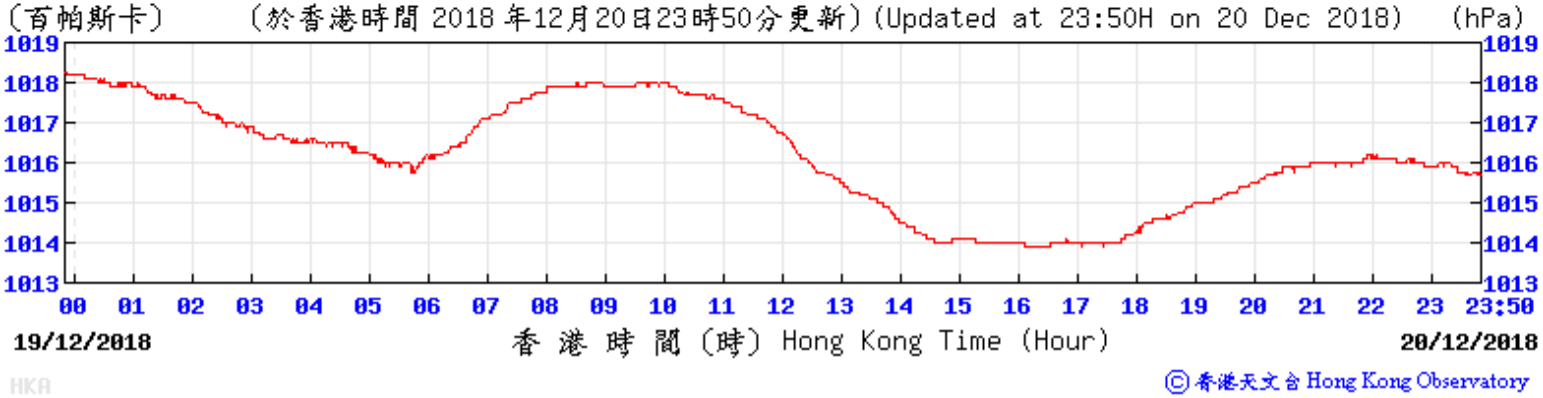
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

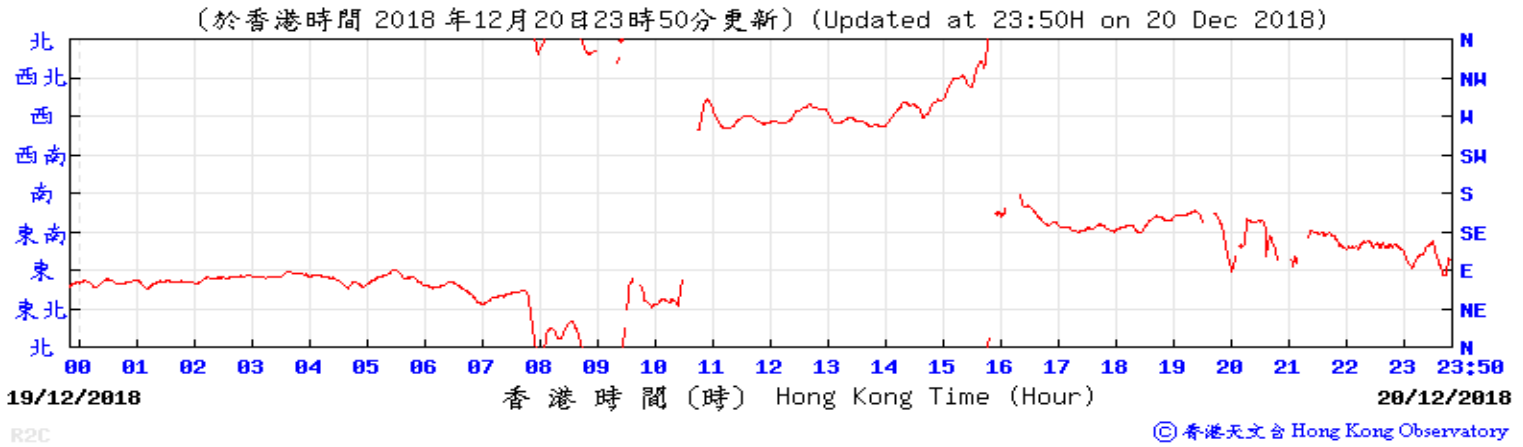
Tempearture/Humidity:



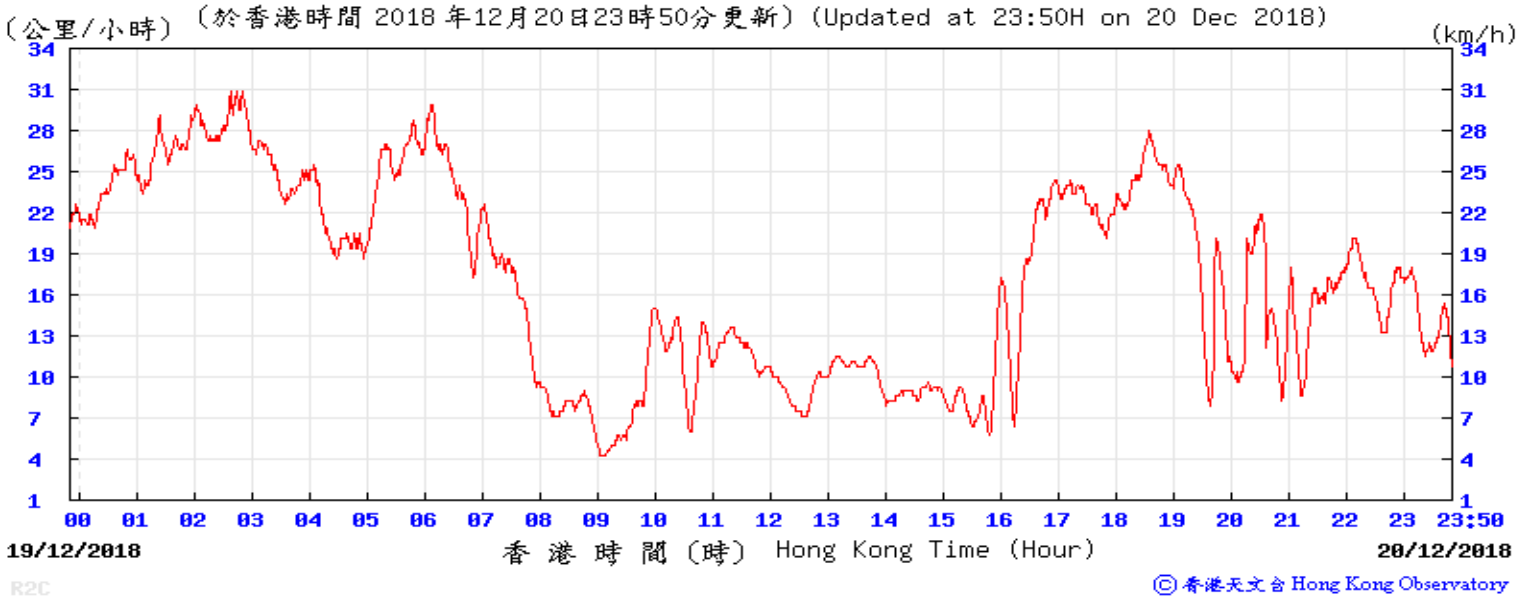
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1866721
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	27 December 2018
		DATE OF ISSUE:	2 January 2019
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	5
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 27th December, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1866721-001	CAPC Unit (with AC Filter)	27-Dec-18	14:07 – 14:10	11	1026	Bleach with minor garbage smell	1871.6	115,000,000
HK1866721-002	CAPC Unit (with AC Filter)	27-Dec-18	14:11 – 14:14	11	1026	Bleach with minor garbage smell	1871.6	115,000,000
HK1866721-003	CAPC Unit (Bypass AC Filter)	27-Dec-18	14:45 – 14:48	11	1087	Bleach smell	2003.6	131,000,000
HK1866721-004	CAPC Unit (Bypass AC Filter)	27-Dec-18	14:49 – 14:53	11	1087	Bleach smell	2003.6	131,000,000
HK1866721-005	Field Blank	27-Dec-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

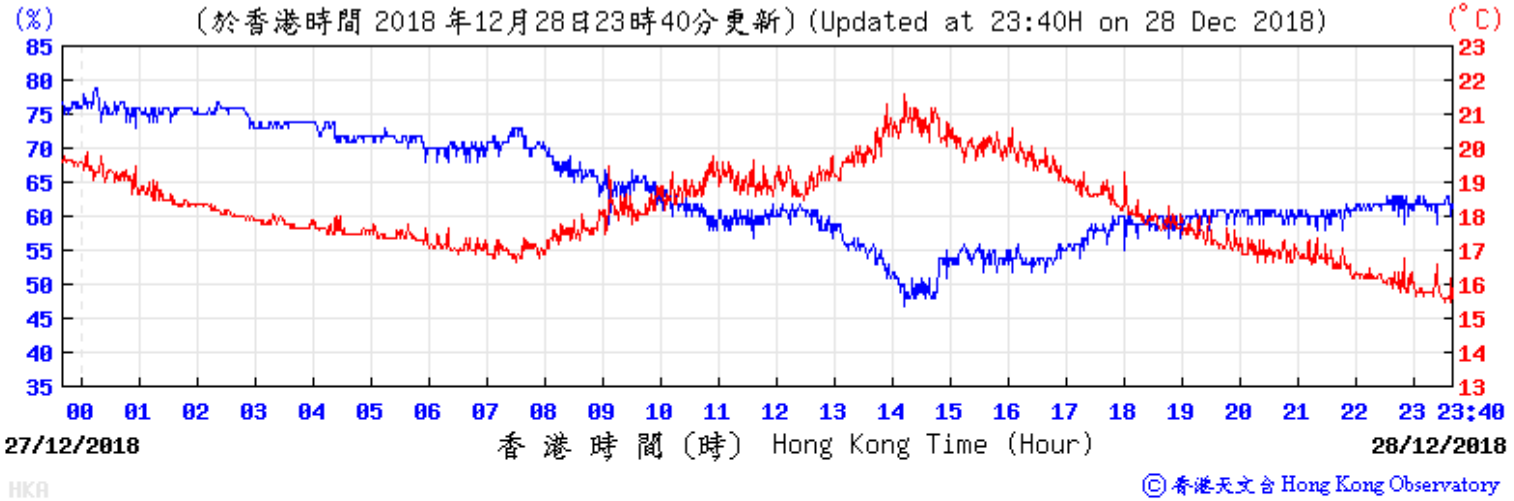
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	27-12-18	14:07 - 14:53	23.3	68.8	1012.5	0.8	320	NA	NA	No odour was detected.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

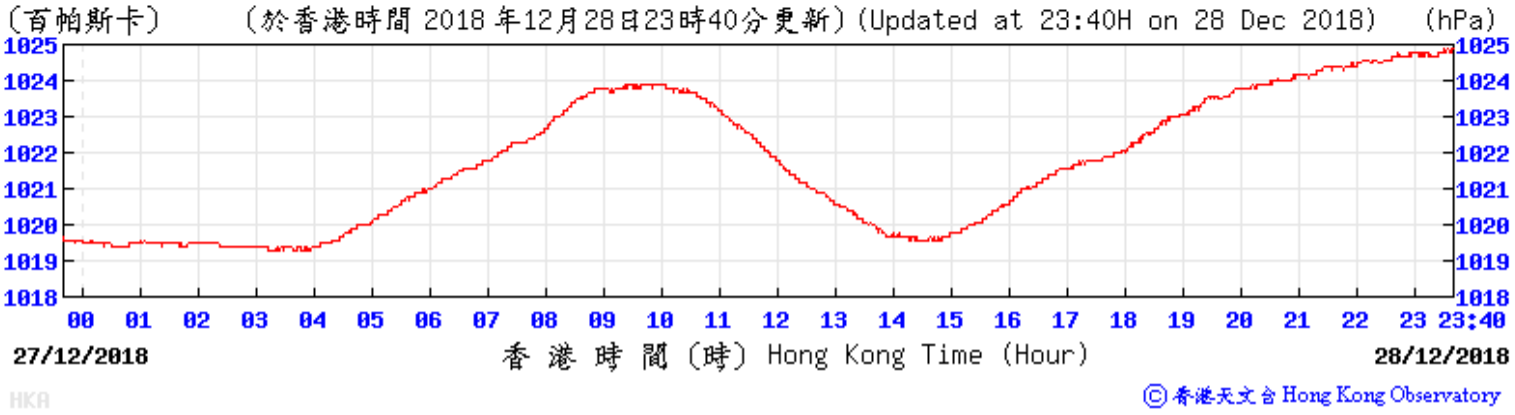
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

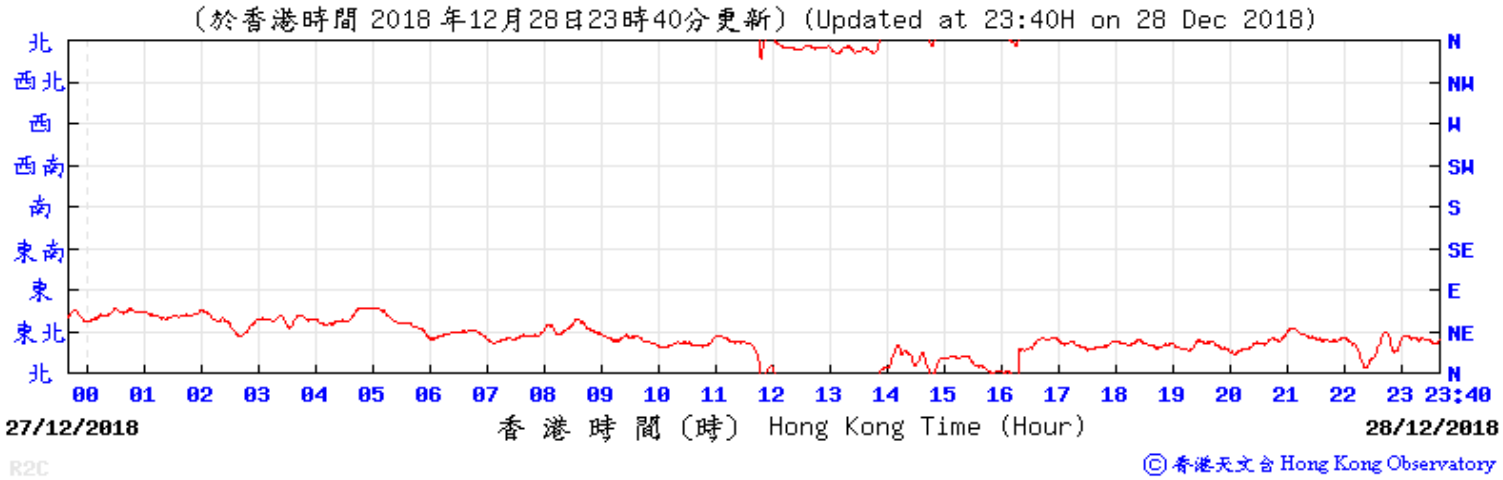
Tempearture/Humidity:



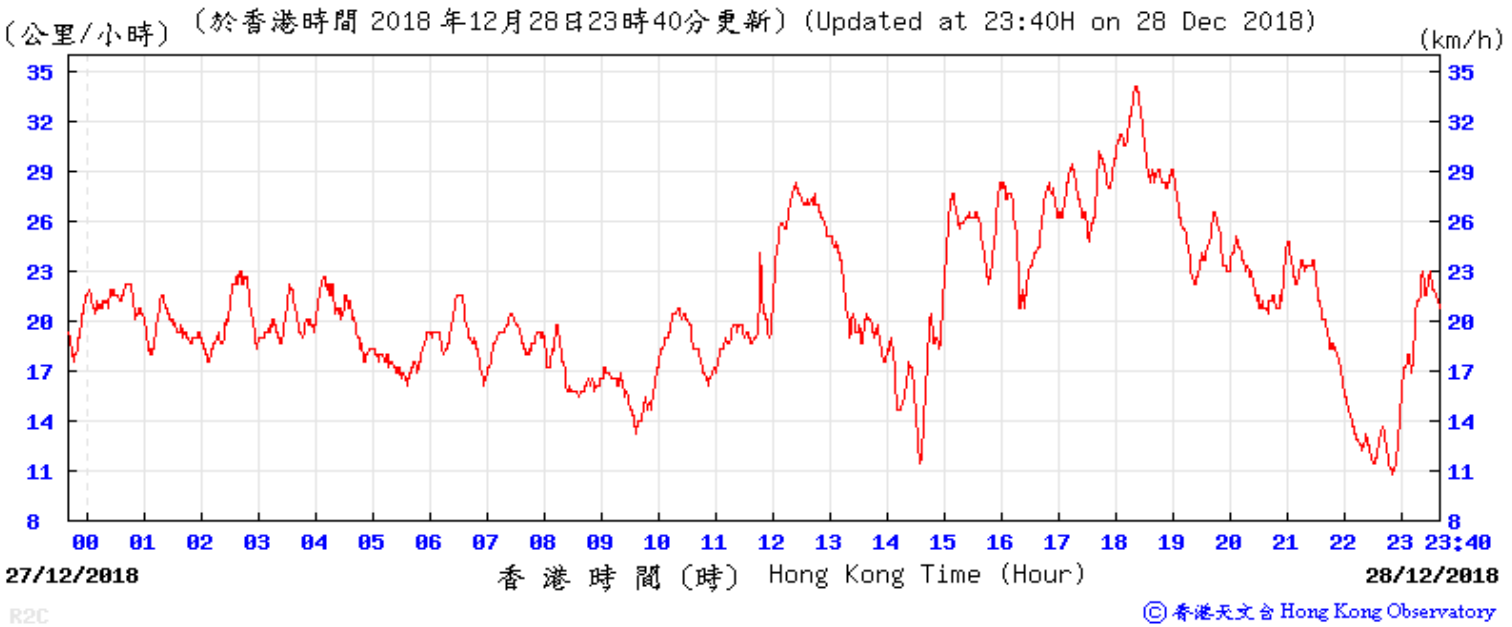
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
T1/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1902606
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	16 January 2019
		DATE OF ISSUE:	30 January 2019
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 16th January, 2019 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A2.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 ou_E/m^3 to 10^7 ou_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (ou_E/Nm^3)	Odour Concentration (ou_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (ou_E/hr)
HK1902606-001	CAPC Unit (Low ORP)	16-Jan-19	13:42 - 13:45	11	444	Bleaching smell	2289.2	61,000,000
HK1902606-002	CAPC Unit (Low ORP)	16-Jan-19	13:48 - 13:52	11	476	Bleaching smell	2289.2	65,000,000
HK1902606-003	Field Blank	16-Jan-19	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	16-1-19	13:42 - 13:52	18.6	70.0	1017.9	2.2	324	NA	NA	No odour was smelled.	NA	Cloudy

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

A2. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1902870
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	16 January 2019
		DATE OF ISSUE:	30 January 2019
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 16th January, 2019 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A2.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 ou_E/m^3 to 10^7 ou_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (ou_E/Nm^3)	Odour Concentration (ou_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (ou_E/hr)
HK1902870-001	CAPC Unit (High ORP)	16-Jan-19	15:54 - 15:57	11	546	Bleaching smell	2285.2	75,000,000
HK1902870-002	CAPC Unit (High ORP)	16-Jan-19	15:58 - 16:02	11	509	Bleaching smell	2285.2	70,000,000
HK1902870-003	Field Blank	16-Jan-19	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	16-1-19	15:54 - 16:02	17.8	63.9	1017.9	1.2	322	NA	NA	No odour was smelled.	NA	Cloudy

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

A2. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1904547
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	29 January 2019
		DATE OF ISSUE:	13 February 2019
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 29th January, 2019 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A2.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 ou_E/m^3 to 10^7 ou_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (ou_E/Nm^3)	Odour Concentration (ou_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (ou_E/hr)
HK1904547-001	CAPC	29-Jan-19	14:00 - 14:04	11	116	Garbage smell with minor fishy smell	2552.4	17,800,000
HK1904547-002	CAPC	29-Jan-19	14:04 - 14:08	11	93	Garbage smell with minor fishy smell	2552.4	14,200,000
HK1904547-003	Field Blank	29-Jan-19	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

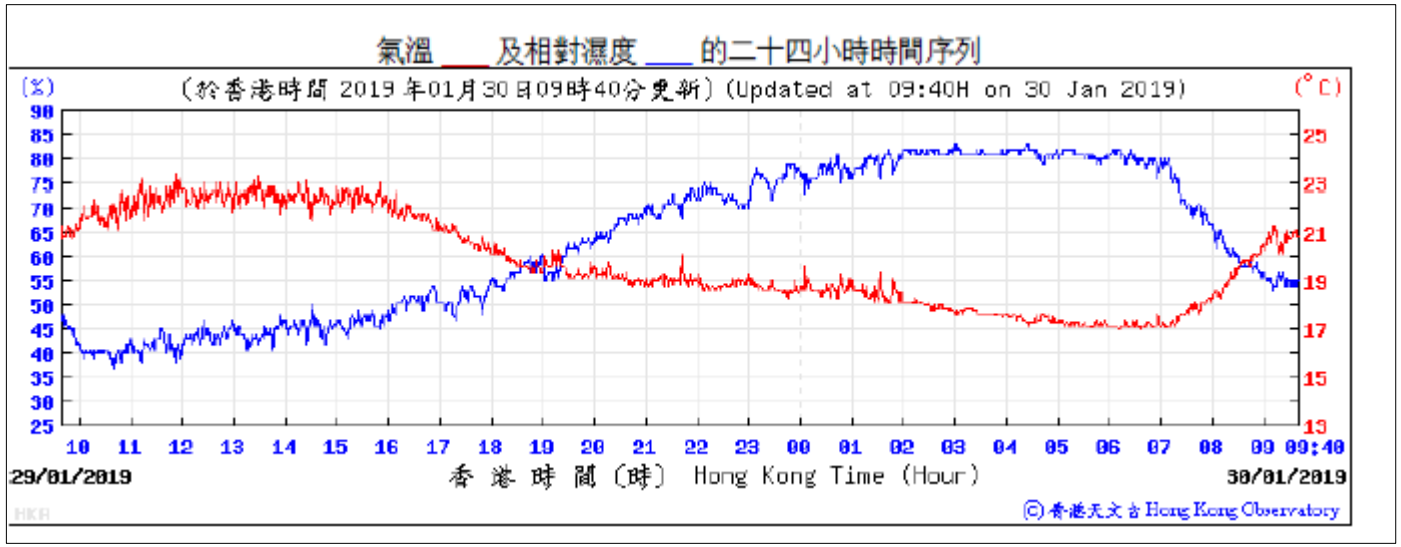
A1. SITE CONDITIONS AND OBSERVATION

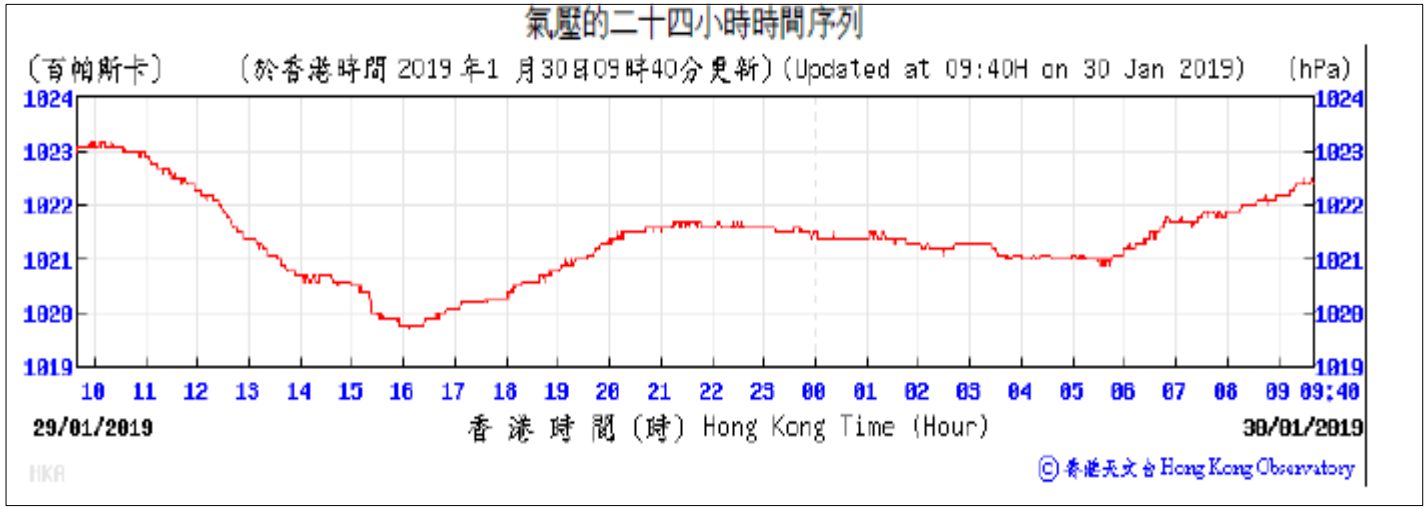
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	29-1-19	14:00 - 14:08	19.8	65.5	1018.6	4.8	328	NA	NA	No odour was smelled.	NA	Sunny

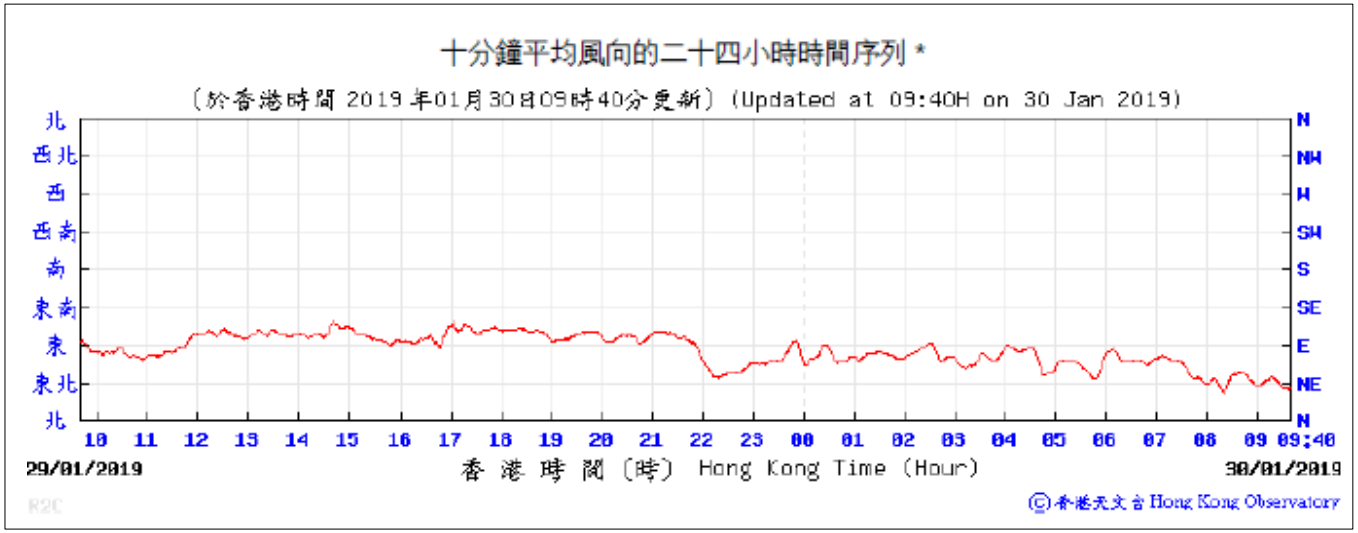
Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION






十分鐘平均風向的二十四小時時間序列 *
(於香港時間 2019 年01月30日09時40分更新) (Updated at 09:40H on 30 Jan 2019)
北
西北
西
西南
南
東南
東
東北
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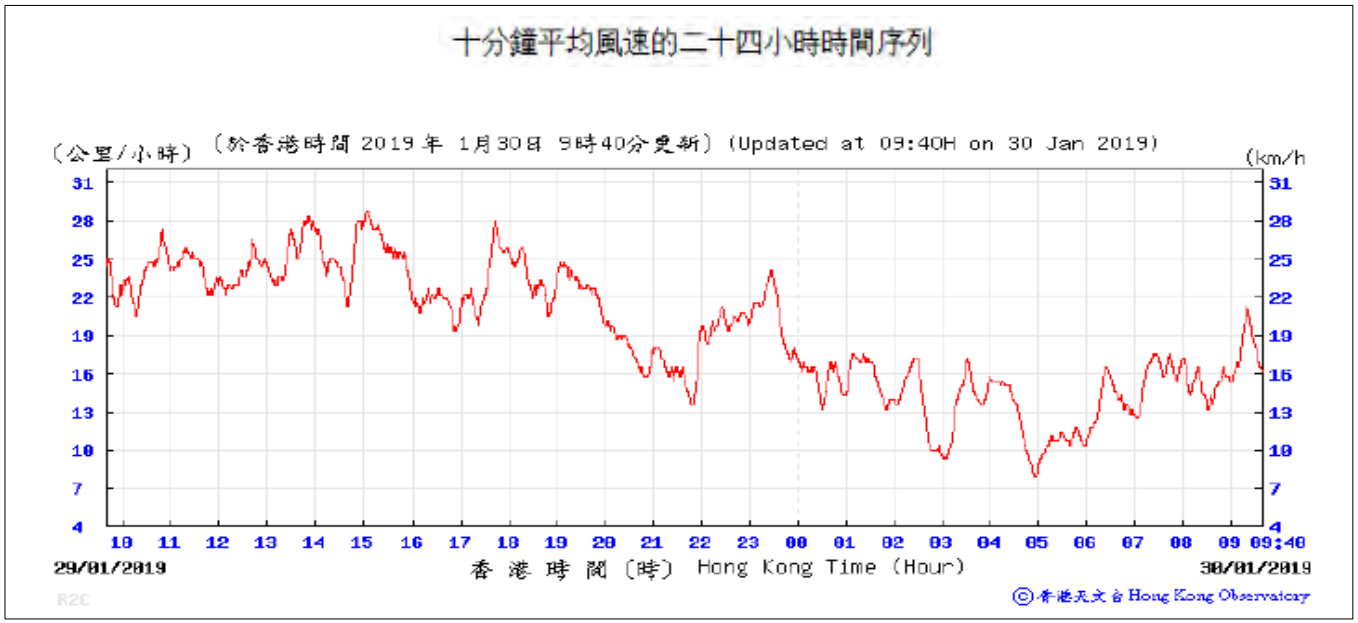
29/01/2019
香 港 時 間 (時) Hong Kong Time (Hour)
30/01/2019
©香港天文台 Hong Kong Observatory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(公里/小時) (於香港時間 2019 年 1月30日 9時40分更新) (Updated at 09:40H on 30 Jan 2019)
(km/h)
31
28
25
22
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4
10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03 04 05 06 07 08 09 09:40
29/01/2019
香 港 時 間 (時) Hong Kong Time (Hour)
30/01/2019
©香港天文台 Hong Kong Observatory

APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

ALS Technichem (HK) Pty Ltd
T1/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1904548
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	29 January 2019
		DATE OF ISSUE:	13 February 2019
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 29th January, 2019 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A2.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 ou_E/m^3 to 10^7 ou_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (ou_E/Nm^3)	Odour Concentration (ou_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (ou_E/hr)
HK1904548-001	CAPC	29-Jan-19	15:03 - 15:07	11	93	Garbage smell with minor fishy smell	1961.5	10,900,000
HK1904548-002	CAPC	29-Jan-19	15:07 - 15:11	11	154	Garbage smell with minor fishy smell	1961.5	18,100,000
HK1904548-003	Field Blank	29-Jan-19	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

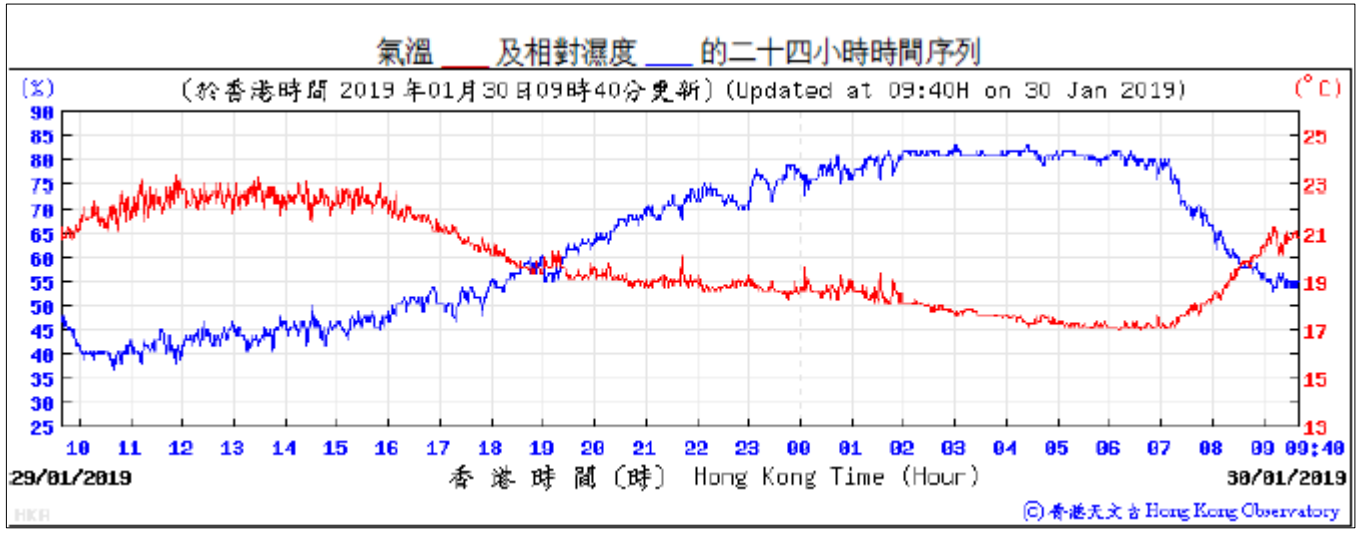
A1. SITE CONDITIONS AND OBSERVATION

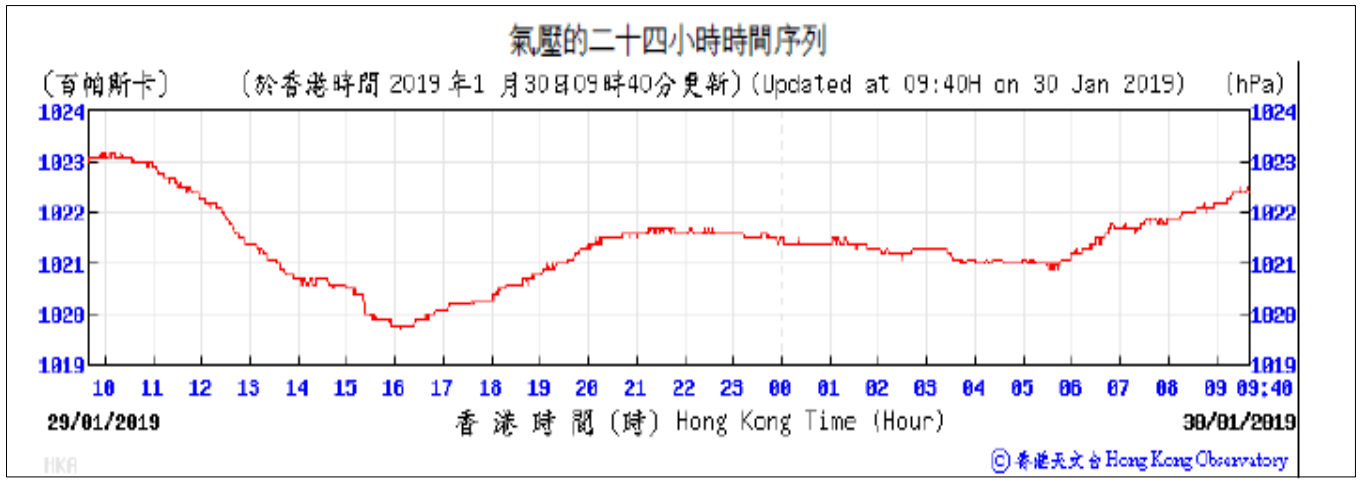
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	29-1-19	15:03 - 15:11	19.9	66.5	1018.5	3.3	314	NA	NA	No odour was smelled.	NA	Sunny

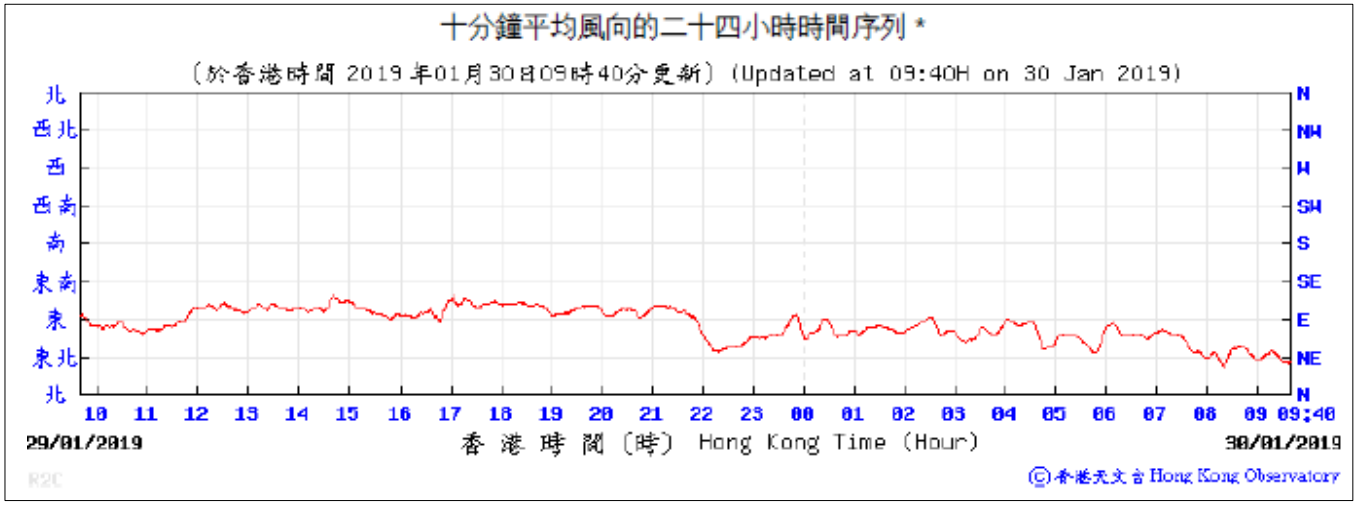
Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

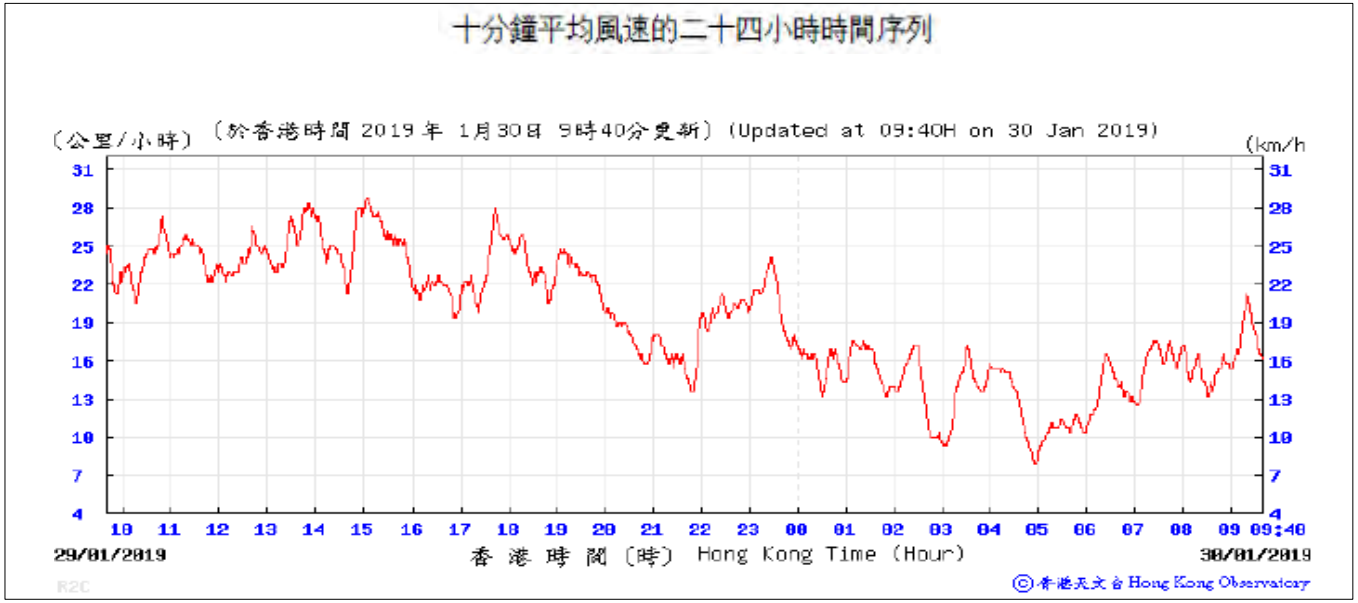
APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION






十分鐘平均風向的二十四小時時間序列 *
(於香港時間 2019 年01月30日09時40分更新) (Updated at 09:40H on 30 Jan 2019)
北
西北
西
西南
南
東南
東
東北
北
N
NW
W
SW
S
SE
E
NE
N
10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03 04 05 06 07 08 09 09:40
29/01/2019
香 港 時 間 (時) Hong Kong Time (Hour)
30/01/2019
©香港天文台 Hong Kong Observatory


十分鐘平均風速的二十四小時時間序列
(公里/小時) (於香港時間 2019 年 1月30日 9時40分更新) (Updated at 09:40H on 30 Jan 2019)
(km/h)
31
28
25
22
19
16
13
10
7
4
10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03 04 05 06 07 08 09 09:40
29/01/2019
香 港 時 間 (時) Hong Kong Time (Hour)
30/01/2019
©香港天文台 Hong Kong Observatory

APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

Annex J4

Action and Limit Levels for Odour Nuisance

Odour Intensity Level

Level	Odour Intensity
0	Not detected. No odour perceived or an odour so weak that it cannot be easily
1	Slight identifiable odour, and slight chance to have odour
2	Moderate identifiable odour, and moderate chance to have odour
3	Strong identifiable, likely to have odour nuisance
4	Extreme severe odour, and unacceptable odour level

Action and Limit Levels for Odour Nuisance

Parameter	Action Level	Limit Level
Odour Nuisance (from odour patrol)	When one documented compliant is received(1), or Odour Intensity of 2 is measured from odour patrol.	Two or more documented complaints are received(1) within a week; or Odour intensity of 3 or above is measured from odour patrol.

Note:

(1) Once the compliant is received by the Project Proponent (EPD), the Project Proponent would investigate and verify the complaint whether it is related to the potential odour emission from the OWTF and its on-site wastewater treatment unit.

Event and Action Plan for Odour Monitoring

EVENT	ACTION	
	Person-in-charge of Odour	**Project Proponent**[1]
ACTION LEVEL		
Exceedance of action level (Odour Patrol)	1. Identify source/reason of exceedance; 2. Repeat odour patrol to confirm finding.	1. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 weeks; 2. Rectify any unacceptable practice; 3. Implement more mitigation measures if necessary; 4. Inform DSD or the operator of the Siu Ho Wan Sewage Treatment Works (SHWSTW) if exceedance is considered to be caused by the operation of the SHWSTW. 5. Inform North Lantau Refuse Transfer Station (NLTS) operator if exceedance is considered to be caused by the operation of NLTS.

EVENT	ACTION	
	Person-in-charge of Odour	**Project Proponent**[(1)]
Exceedance of action level (Odour Complaints)	1. Identify source/reason of exceedance; 2. Carry out odour patrol to determinate odour intensity.	1. Carry out investigation and verify the complaint whether it is related to potential odour emission from the nearby SHWSTW; 2. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 weeks; 3. Rectify any unacceptable practice; 4. Implement more mitigation measures if necessary; 5. Inform DSD or the operator of the SHWSTW if exceedance is considered to be caused by the operation of the SHWSTW.

EVENT	ACTION	
	Person-in-charge of Odour	**Project Proponent**(1)
LIMIT LEVEL		
Exceedance of Limit level	1. Identify source/reason of exceedance; 2. Inform EPD; 3. Repeat odour patrol to confirm findings; 4. Increase odour patrol frequency to bi-weekly; 5. Assess effectiveness of remedial action and keep EPD informed of the results; 6. If exceedance stops, cease additional odour patrol.	1. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 week; 2. Rectify any unacceptable practice; 3. Formulate remedial actions; 4. Ensure remedial actions properly implemented; 5. If exceedance continues, consider what more/enhanced mitigation measures should be implemented;

Note: (1) Project Proponent shall identify an implementation agent

Annex K

Investigation Report

Annex K1

Investigation Report – Odour Sampling Exceedances

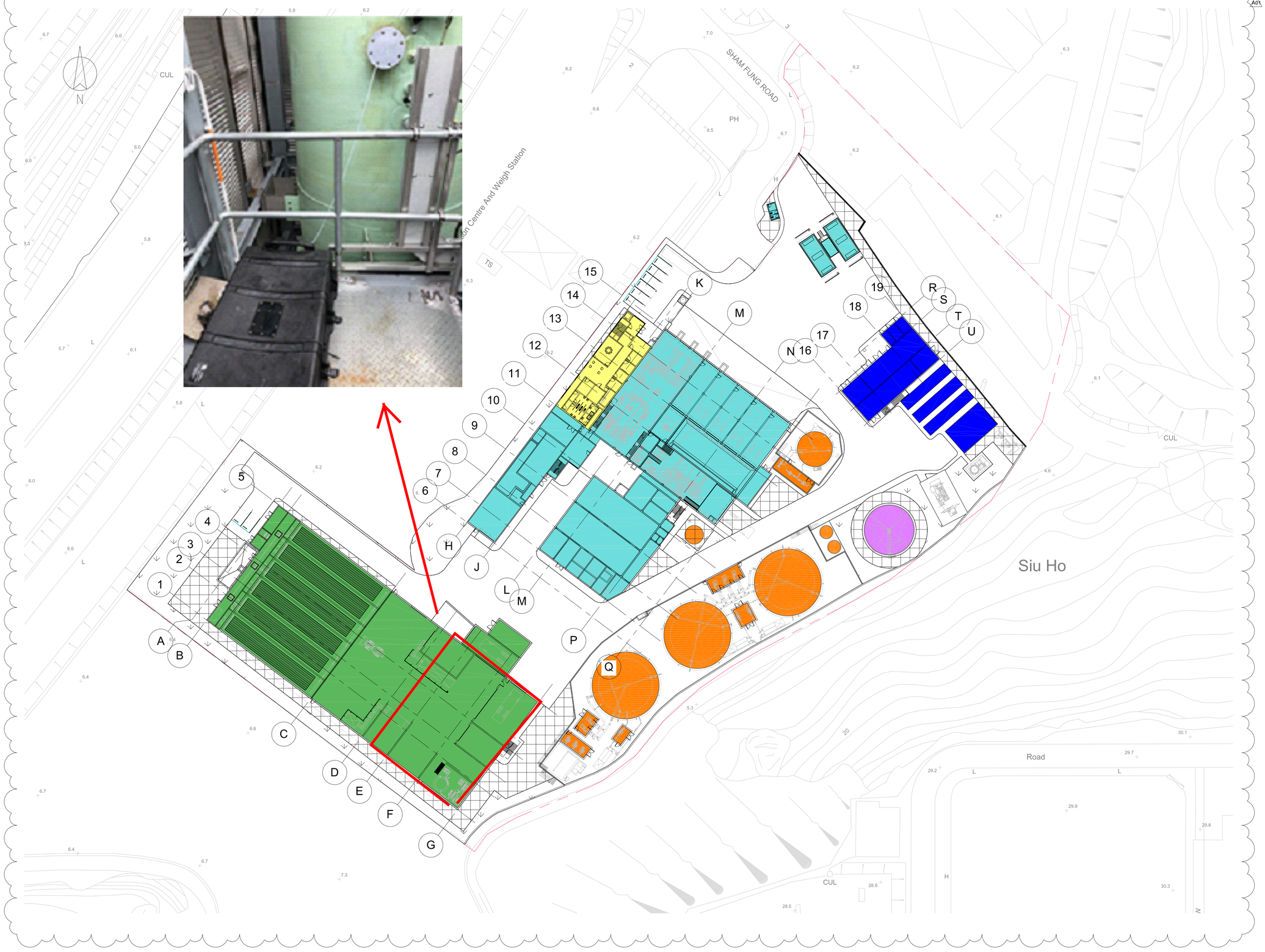
Investigation Report of Odour Sampling Exceedances

Date	10, 11, 19 and 27 December 2018; 16 January 2019
Time	Sampling times were shown in **Appendix B.**
Monitoring Location	Centralized Air Pollution Control System (CAPCS) ((Detailed location and photos shown on the marked drawing DR-OAP-20-0-CA-1001 attached as **Appendix A**)
Weather	Fine
Parameter	Odour
Exceedance Description	1. On 10, 11, 19 and 27 December 2018 and 16 and 29 January 2019, air samples were collected from the outlet of the CAPCS by ALS for measurement of the odour concentration (in term of Odour Unit (OU) by olfactometry analysis at the laboratory. The EM&A Manual, has set an odour limit of 220 OU/Nm^3 for the CAPCS stack. The odour concentrations of the odour samples collected from the CAPCS on 10, 11, 19 and 27 December 2018; 16 January 2019 have exceeded the odour limits. The odour analysis results are shown in **Appendix B**. 2. According to the Contractor, the plant was operated normally. Odour emitting activities, including waste reception and pretreatment process, AD process, wastewater treatment plant, sludge dewatering and composting process were operating on the sampling days. The CAPCS was operating during the odour sampling periods. 3. The plant received an average of 100 tonnes of SSOW daily in the reporting period. 4. The Contractor reported that the chemical dosing system of the CAPCS have some problems resulting in a high concentration of odorous gases H_2S and NH_3 in the exhaust air, which led to exceedances of the odour limit. In addition, the Contractor reported that the prepared of the chemical dosing system took longer than anticipated resulting in a prolonged exceedances recorded during December 2018.
Action Taken / Action to be Taken	Once it was identified that there was a problem with the chemical dosing system, the Contractor added the chemical to the system manually to minimise the exceedences. The Contractor has also contacted the supplier of the chemical dosing system to carry out repairing work so that the system can function properly.
Remedial Works and Follow-up Actions	The Contractor is recommended to closely monitor the operation of the chemical dosing system to avoid the reoccurrence of similar problem. The system is fixed and the odour concentration of the air sample taken on 29 January 2019 showed compliance with the odour limit.

Prepared by:	Bonia Leung, ET Representatives
Date	09-Apr-2019

Appendix A

Monitoring Location



REV	DATE	BY	APP	DESCRIPTION
A01	05/03/15	CW	MB	IMTECH BACKGROUNDS UPDATED
A00	18/02/15	CW	MB	DRAFT ISSUE

CLIENT

ENVIRONMENTAL PROTECTION DEPARTMENT
GOVERNMENT OF THE HKSAR

CLIENT'S CONSULTANT

AECOM ASIA CO. LTD.

CONTRACTOR

OSCAR BIOENERGY JV

LEAD DESIGNER

ARUP
Ove Arup & Partners Hong Kong Limited

ENVIRONMENTAL TEAM

ERM HONG KONG LIMITED

INDEPENDENT CONSULTANTS

Meinhardt Infrastructure and Environment Limited
邁進基建環保工程顧問有限公司

PROJECT

ORGANIC WASTE TREATMENT FACILITIES
PHASE 1
EP/SP/61/10

STATUS

DRAFT ISSUE

DRAWING TITLE

SITE LAYOUT

DRAWN	CHECKED	APPROVED
CW	RS	DP

SCALE	DATE
1:500@A1 / 1:1000@A3	12/02/15

JOB NO.	DRAWING NO.	REV.
239956	DR-OAP-20-0-CA-1001	A01

Appendix B

Odour Sampling Results Summary

Sampling Date	Sampling Time	Odour Concentration (OU /Nm^3)[Note]
10 Dec 2018	11:36-11:41	828
10 Dec 2018	11:41-11:46	886
10 Dec 2018	11:56-12:02	773
10 Dec 2018	12:02-12:07	674
11 Dec 2018	15:13-15:17	476
11 Dec 2018	15:19-15:23	510
11 Dec 2018	15:34-15:38	414
11 Dec 2018	15:38-15:43	443
19 Dec 2018	15:08-15:12	1164
19 Dec 2018	15:29-15:33	1016
27 Dec 2018	14:07-14:10	1026
27 Dec 2018	14:11-14:14	1026
27 Dec 2018	14:45-14:48	1087
27 Dec 2018	14:49-14:53	1087
16 Jan 2019	13:42-13:45	444
16 Jan 2019	13:48-13:52	476
16 Jan 2019	15:54-15:57	546
16 Jan 2019	15:58-16:02	509
29 Jan 2019	14:00-14:04	116
29 Jan 2019	14:04-14:08	93
29 Jan 2019	15:03-15:07	93
29 Jan 2019	15:03-15:07	154

Note: According to the EM&A Manual and EP requirements, it is considered an exceedance if the odour level is more than 220 OU/Nm^3.

Annex K2

Investigation Report – Stack Monitoring Exceedances

Investigation Report of CEMS Exceedances

Date	1 – 31 March 2019
Time	Sampling times were shown in **Annex G** of the EM&A Report**.**
Monitoring Location	Continuous Environmental Monitoring System (CEMS)
Parameter	Various emission parameters of the Centralised Air Pollution Control System (CAPCS), Cogeneration Units (CHP) and Ammonia Stripping Plan (ASP)
Exceedance Description	1. Continuous monitoring was carried out for CAPCS, CHP and ASP throughout the reporting period using the CEMS. According to the EM&A Manual, exceedance is considered if the emission concentration of the concerned pollutants is higher than the emission limits stated in Tables 2.2, 2.3 and 2.5 of the EM&A Manual (Version E) for CAPCS, CHP and ASP respectively. The concentration of the concerned air pollutants were monitored on-line by the CEMS. Exceedances of various emission parameters were recorded on the CEMS including: • Odour in the CAPCS; • SO_2 in the CHP; and • CO, NO_x, SO_2, VOCs and NH_3 in the ASP. The detail monitoring results are shown in ***Annex G*** of the EM&A Report. 2. According to the Contractor, the plant was receiving around 100 tonnes of SSOW daily and was operated normally. 3. The exceedances of odour in CAPCS was due to problems in the chemical dosing system resulting in high concentrations of odorous gases H_2S and NH_3 in the exhaust air. 4. According to the Contractor, the SO_2 exceedances recorded in the CHP and ASP could be due to the tripping of the circulation pump resulting in incomplete desulphurisation of biogas in previous process. 5. The Contractor explained that the exceedances recorded in CO, NO_x, VOCs and NH_3 in the ASP was because the thermal combustion unit of the ASP still require tuning to optimise the combustion efficiency. In addition, the Contractor reported that the tuning of the thermal combustion unit took longer than anticipated resulting in the many exceedances recorded during the reporting period.
Action Taken / Action to be Taken	• Once it was identified that there was a problem with the chemical dosing system, the Contractor added the chemicals to the system manually to minimise the exceedances. The Contractor has also contacted the supplier of the chemical dosing system to carry out

	repairing works so that the system can function properly. • The Contractor put on-line additional activated carbon filters to counter the incomplete desulphurisation process. • Tuning of the thermal combustion unit was carried out to optimise the combustion efficiency in order to remove the pollutants in the biogas.
Remedial Works and Follow-up Actions	The Contractor is recommended to closely monitor the processes, including the chemical dosing system in the CAPCS, the desulphurisation process, and combustion of biogas in the ASP to avoid the reoccurrence of similar problems. MT will carry out follow-up audit regarding the progress next month.

Prepared by: Bonia Leung, MT Representative
Date 29-Apr-2019

Annex K3

Investigation Report - April 2019

Investigation Report of CEMS Exceedances

Date	1 – 30 April 2019
Time	Sampling times were shown in **Annex G** of the EM&A Report**.**
Monitoring Location	Continuous Environmental Monitoring System (CEMS)
Parameter	Various emission parameters of the Centralised Air Pollution Control System (CAPCS), Cogeneration Units (CHP) and Ammonia Stripping Plan (ASP)
Exceedance Description	1. Continuous monitoring was carried out for CAPCS, CHP and ASP throughout the reporting period using the CEMS. According to the EM&A Manual, exceedance is considered if the emission concentration of the concerned pollutants is higher than the emission limits stated in Tables 2.2, 2.3 and 2.5 of the EM&A Manual (Version E) for CAPCS, CHP and ASP respectively. The concentration of the concerned air pollutants were monitored on-line by the CEMS. Exceedances of various emission parameters were recorded on the CEMS including: • Odour in the CAPCS; • NO_x and SO_2 in the CHP; and • CO, NO_x, SO_2, VOCs and NH_3 in the ASP. The detail monitoring results are shown in ***Annex G*** of the EM&A Report. 2. According to the Contractor, the plant was receiving around 100 tonnes of SSOW daily and was operated normally. 3. The exceedances of odour in CAPCS was due to problems in the chemical dosing system resulting in high concentrations of odorous gases H_2S and NH_3 in the exhaust air. 4. CHP setting was undergoing fine-tuning for performance optimisation which leads to the ineffective removal of NO_x at a certain period of time. 5. According to the Contractor, the SO_2 exceedances recorded in the CHP could be due to the tripping of the desulphurisation column resulting in the incomplete desulphurisation of biogas in previous process. 6. The Contractor explained that the exceedances recorded in CO, NO_x, SO_2, VOCs and NH_3 in the ASP was because the thermal combustion unit of the ASP still require tuning to optimise the combustion efficiency. In addition, the Contractor reported that the tuning of the thermal combustion unit took longer than anticipated resulting in the many exceedances recorded during the reporting period.
Action Taken / Action to be Taken	• Once it was identified that there was a problem with the chemical dosing system, the Contractor added the

	chemicals to the system manually to minimise the exceedances. The Contractor has also contacted the supplier of the chemical dosing system to carry out repairing works so that the system can function properly. • Continuous optimisation of CHP and re-adjustment of NO_x control for CHP has been carried out. • Continuous monitoring and routine maintenance of the desulphurisation column to reduce the duration of desulphurisation column tripping. • Tuning of the thermal combustion unit was carried out to optimise the combustion efficiency in order to remove the pollutants in the biogas.
Remedial Works and Follow-up Actions	The Contractor is recommended to closely monitor the processes, including the chemical dosing system in the CAPCS, the desulphurisation process, and combustion of biogas in the ASP to avoid the reoccurrence of similar problems. MT will carry out follow-up audit regarding the progress next month.

Prepared by: Bonia Leung, MT Representative
Date 14 May 2019

Annex K4

Investigation Report - May 2019

Investigation Report of CEMS Exceedances

Date	1 – 31 May 2019
Time	Continuous monitoring throughout May 2019
Monitoring Location	Continuous Environmental Monitoring System (CEMS)
Parameter	Various emission parameters of the Cogeneration Units (CHP) and Ammonia Stripping Plan (ASP)
Exceedance Description	1. Continuous monitoring was carried out for CAPCS, CHP and ASP throughout the reporting period using the CEMS. According to the EM&A Manual, exceedance is considered if the emission concentration of the concerned pollutants is higher than the emission limits stated in Tables 2.2, 2.3 and 2.5 of the EM&A Manual (Version E) for CAPCS, CHP and ASP respectively. The concentration of the concerned air pollutants were monitored on-line by the CEMS. Exceedances of various emission parameters were recorded on the CEMS including: • NO_x and SO_2 in the CHP; and • Dust, CO, NO_x, SO_2, VOCs, NH_3 and HF in the ASP. 2. According to the Contractor, the plant was receiving around 100 tonnes of SSOW daily and was operated normally. 3. CHP setting was undergoing fine-tuning for performance optimisation which leads to the ineffective removal of NO_x at a certain period of time. 4. According to the Contractor, the SO_2 exceedances recorded in the CHP could be due to the tripping of the desulphurisation column resulting in the incomplete desulphurisation of biogas in previous process. 5. The Contractor explained that the exceedances recorded in Dust, CO, NO_x, SO_2, VOCs, NH_3 and HF in the ASP was because the thermal combustion unit of the ASP still require tuning to optimise the combustion efficiency. In addition, the Contractor reported that the tuning of the thermal combustion unit took longer than anticipated resulting in the many exceedances recorded during the reporting period.
Action Taken / Action to be Taken	• Continuous optimisation of CHP and re-adjustment of NO_x control for CHP has been carried out. • Continuous monitoring and routine maintenance of the desulphurisation column to reduce the duration of desulphurisation column tripping. • Tuning of the thermal combustion unit was carried out to optimise the combustion efficiency in order to remove the pollutants in the biogas.
Remedial Works and Follow-up Actions	The Contractor is recommended to closely monitor the processes, including the desulphurisation process, and

	combustion of biogas in the ASP to avoid the reoccurrence of similar problems. MT will carry out follow-up audit regarding the progress next month.

Prepared by: Bonia Leung, MT Representative
Date 10 June 2019