



ANNEX E

AIR QUALITY



ANNEX E1

CALIBRATION CERTIFICATES FOR AIR
QUALITY



SUB-CONTRACTING REPORT

| | | | |
|---------|--|----------------|---------------|
| CONTACT | : MR MAGNUM FAN | WORK ORDER | : HK2342916 |
| CLIENT | : ENVIROTECH SERVICES CO. | | |
| ADDRESS | : RM 712, 7/F, MY LOFT 9 HOI WING ROAD, TUEN MUN, N.T. HK | SUB-BATCH | : 1 |
| | | DATE RECEIVED | : 26-OCT-2023 |
| | | DATE OF ISSUE | : 2-NOV-2023 |
| PROJECT | : ---- | NO. OF SAMPLES | : 1 |
| | | CLIENT ORDER | : ---- |

General Comments

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.
 - Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
 - Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.
 - Calibration was subcontracted to Envirotech Services Company.
-

Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

This report supersedes any previous report(s) with the same work order number.

All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**

11/F Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong
Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com

WORK ORDER : HK2342916
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----



| ALS Lab ID | Client's Sample ID | Sample Type | Sample Date | External Lab Report No. |
|---------------|-----------------------|-------------|-------------|-------------------------|
| HK2342916-001 | Sibata LD-3B (436553) | Equipments | 21-Oct-2023 | S/N: 436553 |



Equipment Verification Report (TSP)

Equipment Calibrated:

Type: Laser Dust Monitor
Manufacturer: Sibata LD-3B
Serial No.: 436553
Equipment Ref.: N/A
ALS Job Order: HK2342309

Standard Equipment

Standard Equipment: High Volume Sampler (TSP)
Location: Envirotech Room (Calibration Room)
Equipment Ref.: HVS 8162
Last Calibration Date: 21-Oct-2023

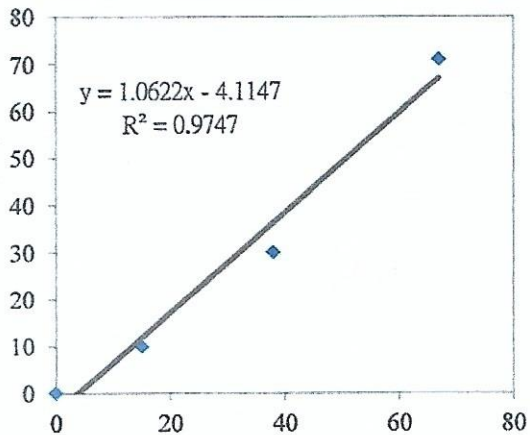
Equipment Verification Results:

Verification Date: 14-Oct-2023

| Hour | Time | Mean Temp °C | Mean Pressure (hpa) | Concentration in µg/m ³ (Standard Equipment) (Y-Axis) | Concentration in µg/m ³ (Calibrated Equipment) (X-Axis) |
|------------|-----------|--------------|---------------------|--|--|
| 1hr 00mins | 0910-1010 | 21.8 | 1019 | 10 | 17 |
| 2hr 00mins | 1015-1215 | 21.8 | 1019 | 30 | 38 |
| 3hr 00mins | 1410-1710 | 23.5 | 1019 | 71 | 67 |

Linear Regression of Y or X

Slope (K-factor): 1.0622(µg/m³)/CPM
Correlation Coefficient (R): 0.9872
Date of Issue: 26-Oct-2023



Remarks:

1. Strong Correlation (>0.8)
2. Factor 1.0622 (µg/m³)/CPM should be applied for TSP monitoring

*If R<0.5, repair or verification is required for the equipment

Operator: P.F.Yeung Signature *Fai* Date: 26 October 2023

QC Reviewer: K.F.Ho Signature *Fat* Date: 26 October 2023

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

| | | |
|--|------------------------|-----------|
| Location : Rm. 712, My Loft, Tuen Mun | Date of Calibration: | 13-Oct-23 |
| HVS ID: 8162 | Next Calibration Date: | 12-Dec-23 |
| Name and Model : TISCH HVS Model TE-5170 | Operator: | P.F.Yeung |

CONDITIONS

| | | | |
|--------------------------|------|----------------------------|-------|
| Sea Level Pressure (hpa) | 1015 | Corrected Pressure (mm Hg) | 762.1 |
| Temperature (°C) | 28.9 | Temperature (K) | 293 |

CALIBRATION ORIFICE

| | | | |
|----------|----------|----------------|----------|
| Make: | TISCH | Qstd Slope | 2.06918 |
| Model: | TE-5025A | Qstd Intercept | -0.04220 |
| Serial#: | 2454 | | |

CALIBRATION

| Plate No. | H2O(L) (in) | H2O(R) (in) | H2O (in) | Qstd (m3/min) | I (chart) | IC (corrected) | LINEAR REGRESSION |
|-----------|-------------|-------------|----------|---------------|-----------|----------------|---|
| 18 | 6.5 | 6.5 | 13.0 | 1.806 | 62 | 63.54 | Slope= 32.843 Intercept= 5.518 Corr. Coeff.= 0.9939 |
| 13 | 4.7 | 4.7 | 9.4 | 1.539 | 56 | 57.39 | |
| 10 | 3.4 | 3.4 | 6.8 | 1.312 | 49 | 50.22 | |
| 7 | 2.3 | 2.2 | 4.5 | 1.071 | 40 | 40.99 | |
| 5 | 1.6 | 1.5 | 3.1 | 0.892 | 33 | 33.82 | |

Calculations:

$$Qstd = 1/m[\sqrt{H2O(Pa/Pstd)(Tstd/Ta)} - b]$$

$$IC = I[\sqrt{Pa/Pstd}(Tstd/Ta)]$$

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration (deg K)

Pa = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

$$1/m(I[\sqrt{298/Tav}(Pav/760)] - b)$$

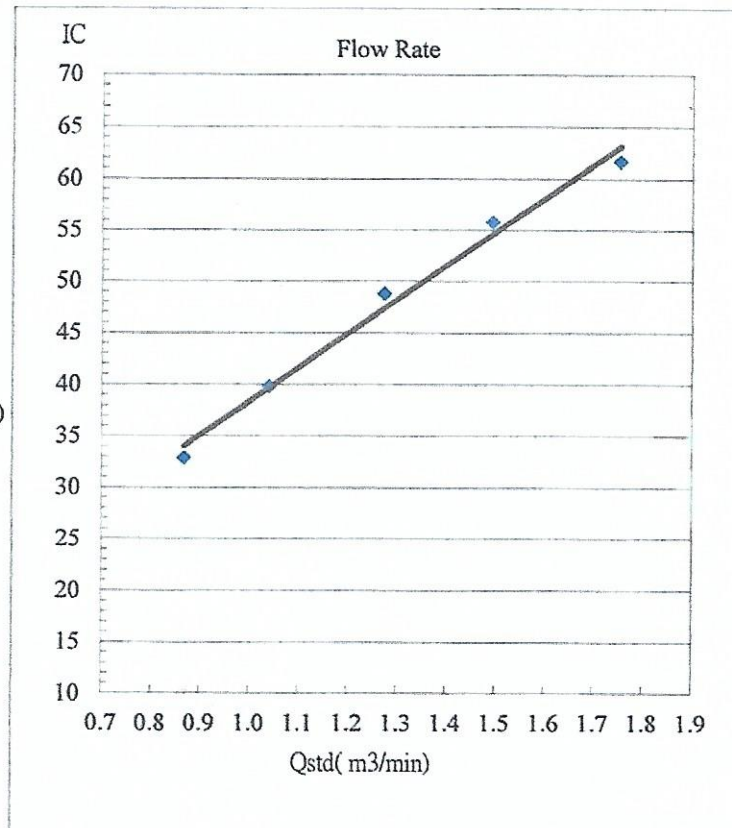
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure



Certificate of Calibration

| Calibration Certification Information | | | |
|---------------------------------------|-----------------------------|-----------|-------|
| Cal. Date: December 15, 2022 | Rootsmeter S/N: 438320 | Ta: 295 | °K |
| Operator: Jim Tisch | | Pa: 748.0 | mm Hg |
| Calibration Model #: TE-5025A | Calibrator S/N: 4064 | | |

| Run | Vol. Init (m3) | Vol. Final (m3) | ΔVol. (m3) | ΔTime (min) | ΔP (mm Hg) | ΔH (in H2O) |
|-----|----------------|-----------------|------------|-------------|------------|-------------|
| 1 | 1 | 2 | 1 | 1.4430 | 3.2 | 2.00 |
| 2 | 3 | 4 | 1 | 1.0210 | 6.4 | 4.00 |
| 3 | 5 | 6 | 1 | 0.9170 | 7.9 | 5.00 |
| 4 | 7 | 8 | 1 | 0.8730 | 8.8 | 5.50 |
| 5 | 9 | 10 | 1 | 0.7210 | 12.8 | 8.00 |

| Data Tabulation | | | | | |
|-----------------|---------------|--|-----------|-------------|---|
| Vstd (m3) | Qstd (x-axis) | $\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis) | Va | Qa (x-axis) | $\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis) |
| 0.9900 | 0.6861 | 1.4101 | 0.9957 | 0.6900 | 0.8881 |
| 0.9858 | 0.9655 | 1.9943 | 0.9914 | 0.9711 | 1.2560 |
| 0.9838 | 1.0728 | 2.2296 | 0.9894 | 1.0790 | 1.4042 |
| 0.9826 | 1.1255 | 2.3385 | 0.9882 | 1.1320 | 1.4728 |
| 0.9772 | 1.3554 | 2.8203 | 0.9829 | 1.3632 | 1.7762 |
| QSTD | m= | 2.10977 | QA | m= | 1.32110 |
| | b= | -0.03782 | | b= | -0.02382 |
| | r= | 0.99998 | | r= | 0.99998 |

| Calculations | | | |
|--|---|-----|--|
| Vstd= | $\Delta Vol \left(\frac{Pa - \Delta P}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)$ | Va= | $\Delta Vol \left(\frac{Pa - \Delta P}{Pa} \right)$ |
| Qstd= | Vstd/ΔTime | Qa= | Va/ΔTime |
| For subsequent flow rate calculations: | | | |
| Qstd= | $1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$ | Qa= | $1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$ |

| Standard Conditions | |
|---------------------|---------------------------------------|
| Tstd: | 298.15 °K |
| Pstd: | 760 mm Hg |
| Key | |
| ΔH: | calibrator manometer reading (in H2O) |
| ΔP: | rootsmeter manometer reading (mm Hg) |
| Ta: | actual absolute temperature (°K) |
| Pa: | actual barometric pressure (mm Hg) |
| b: | intercept |
| m: | slope |

| RECALIBRATION |
|--|
| US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30 |



SUB-CONTRACTING REPORT

| | |
|--|-------------------------------|
| CONTACT : MR MAGNUM FAN | WORK ORDER : HK2419606 |
| CLIENT : ENVIROTECH SERVICES CO. | SUB-BATCH : 1 |
| ADDRESS : RM 712, 7/F, MY LOFT 9 HOI WING ROAD, TUEN MUN, N.T. HK | DATE RECEIVED : 20-MAY-2024 |
| PROJECT : ---- | DATE OF ISSUE : 24-MAY-2024 |
| | NO. OF SAMPLES : 1 |
| | CLIENT ORDER : ---- |

General Comments

- Sample Information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.
- Calibration was subcontracted to Envirotech Services Company.
- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

This report supersedes any previous report(s) with the same work order number.

All pages of this report have been checked and approved for release.

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11/F Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong
Tel. +852 2610 1044 Fax +852 2610 2021 www.alsglobal.com

WORK ORDER : HK2419606
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----



| ALS Lab ID | Client's Sample ID | Sample Type | Sample Date | External Lab Report No. |
|---------------|-----------------------|-------------|-------------|-------------------------|
| HK2419606-001 | Sibata LD 3B (436560) | Equipments | 11-May-2024 | S/N: 436560 |

----- END OF REPORT -----



Equipment Verification Report (TSP)

Equipment Calibrated:

Type: Laser Dust Monitor
Manufacturer: Sibata LD-3B
Serial No.: 436560
Equipment Ref.: N/A
ALS Job Order: HK2418944

Standard Equipment

Standard Equipment: High Volume Sampler (TSP)
Location: Envirotech Room (Calibration Room)
Equipment Ref.: HVS 8162
Last Calibration Date: 25-Mar-2024

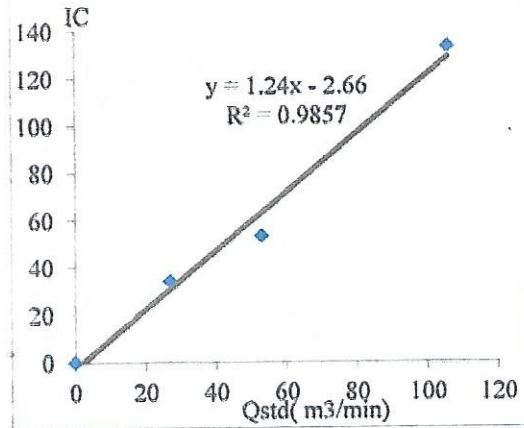
Equipment Verification Results:

Verification Date: 11-May-2024

| Hour | Time | Mean Temp °C | Mean Pressure (hpa) | Concentration in µg/m³ (Standard Equipment) (Y-Axis) | Concentration in µg/m³ (Calibrated Equipment) (X-Axis) |
|------------|-----------|--------------|---------------------|--|--|
| 1hr 00mins | 0830-0930 | 26.8 | 1015 | 34 | 27 |
| 2hr 00mins | 0935-1135 | 28.5 | 1015 | 53 | 53 |
| 3hr 00mins | 1310-1610 | 29.5 | 1016 | 133 | 106 |

Linear Regression of Y or X

Slope (K-factor): 1.2400(µg/m³)/CPM
Correlation Coefficient (R): 0.9928
Date of Issue: 19-May-2024



Remarks:

1. Strong Correlation (>0.8)
2. Factor 1.2400(µg/m³)/CPM should be applied for TSP monitoring

*If R<0.5, repair or verification is required for the equipment

Operator: P.F.Yeung Signature Tai Date: 19 May 2024

QC Reviewer: K.F.Ho Signature Ho Date: 19 May 2024

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

| | |
|--|----------------------------------|
| Location : Rm. 712, My Loft, Tuen Mun | Date of Calibration: 25-Mar-24 |
| HVS ID: 8162 | Next Calibration Date: 24-May-24 |
| Name and Model : TISCH HVS Model TE-5170 | Operator: P.F. Yeung |

CONDITIONS

| | | | |
|--------------------------|------|----------------------------|-------|
| Sea Level Pressure (hpa) | 1016 | Corrected Pressure (mm Hg) | 762.1 |
| Temperature (°C) | 24.5 | Temperature (K) | 297.5 |

CALIBRATION ORIFICE

| | | | |
|----------|----------|----------------|----------|
| Make: | TISCH | Qstd Slope | 2.07544 |
| Model: | TE-5025A | Qstd Intercept | -0.03205 |
| Serial#: | 2454 | | |

CALIBRATION

| Plate No. | H2O(L) (in) | H2O(R) (in) | H2O (in) | Qstd (m3/min) | I (chart) | IC (corrected) | LINEAR REGRESSION Slope= 30.471 Intercept= 5.514 Corr. Coeff.= 0.9994 |
|-----------|-------------|-------------|----------|---------------|-----------|----------------|--|
| 18 | 6.7 | 6.8 | 13.5 | 1.790 | 60 | 60.15 | |
| 13 | 5.5 | 5.6 | 11.1 | 1.625 | 55 | 55.13 | |
| 10 | 4.3 | 4.5 | 8.8 | 1.448 | 49 | 49.12 | |
| 7 | 2.5 | 2.7 | 5.2 | 1.117 | 40 | 40.10 | |
| 5 | 1.5 | 1.7 | 3.2 | 0.879 | 32 | 32.08 | |

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration (deg K)

Pa = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

$$1/m(I[\text{Sqrt}(298/Tav)(Pav/760)]-b)$$

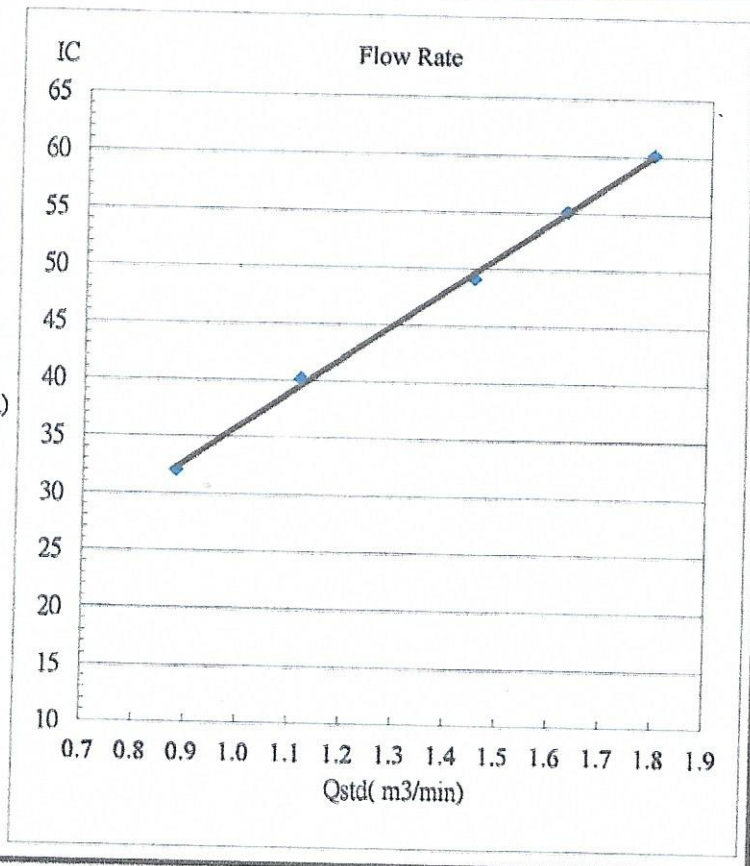
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure





Certificate of Calibration

| Calibration Certification Information | | | |
|---------------------------------------|-----------------------------|-----------|-------|
| Cal. Date: December 15, 2023 | Rootsmeter S/N: 438320 | Ta: 295 | °K |
| Operator: Jim Tisch | | Pa: 748.5 | mm Hg |
| Calibration Model #: TE-5025A | Calibrator S/N: 2454 | | |

| Run | Vol. Init (m3) | Vol. Final (m3) | ΔVol. (m3) | ΔTime (min) | ΔP (mm Hg) | ΔH (in H2O) |
|-----|----------------|-----------------|------------|-------------|------------|-------------|
| 1 | 1 | 2 | 1 | 1.4250 | 3.2 | 2.00 |
| 2 | 3 | 4 | 1 | 1.0090 | 6.4 | 4.00 |
| 3 | 5 | 6 | 1 | 0.9040 | 7.9 | 5.00 |
| 4 | 7 | 8 | 1 | 0.8610 | 8.8 | 5.50 |
| 5 | 9 | 10 | 1 | 0.7110 | 12.8 | 8.00 |

| Data Tabulation | | | | | |
|-----------------|---------------|--|-----------|-------------|---|
| Vstd (m3) | Qstd (x-axis) | $\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis) | Va | Qa (x-axis) | $\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis) |
| 0.9907 | 0.6952 | 1.4106 | 0.9957 | 0.6988 | 0.8878 |
| 0.9864 | 0.9776 | 1.9949 | 0.9914 | 0.9826 | 1.2556 |
| 0.9844 | 1.0890 | 2.2304 | 0.9894 | 1.0945 | 1.4037 |
| 0.9832 | 1.1420 | 2.3393 | 0.9882 | 1.1478 | 1.4723 |
| 0.9779 | 1.3754 | 2.8213 | 0.9829 | 1.3824 | 1.7756 |
| QSTD | m= | 2.07544 | QA | m= | 1.29961 |
| | b= | -0.03205 | | b= | -0.02017 |
| | r= | 0.99999 | | r= | 0.99999 |

| Calculations | |
|---|--|
| Vstd= $\Delta Vol \left(\frac{Pa - \Delta P}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)$ | Va= $\Delta Vol \left(\frac{Pa - \Delta P}{Pa} \right)$ |
| Qstd= Vstd/ΔTime | Qa= Va/ΔTime |
| For subsequent flow rate calculations: | |
| Qstd= $1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$ | Qa= $1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$ |

| Standard Conditions | |
|---------------------|---------------------------------------|
| Tstd: | 298.15 °K |
| Pstd: | 760 mm Hg |
| Key | |
| ΔH: | calibrator manometer reading (in H2O) |
| ΔP: | rootsmeter manometer reading (mm Hg) |
| Ta: | actual absolute temperature (°K) |
| Pa: | actual barometric pressure (mm Hg) |
| b: | intercept |
| m: | slope |

| RECALIBRATION |
|--|
| US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30 |



ANNEX E2

MONITORING SCHEDULE FOR AIR
QUALITY

Tung Chung New Town Extension (East)
Air Quality Monitoring Schedule (October 2024)

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------|-------------------------------|
| | | 1-Oct | 2-Oct | 3-Oct | 4-Oct | 5-Oct |
| | | | | | | Air Quality Monitoring |
| 6-Oct | 7-Oct | 8-Oct | 9-Oct | 10-Oct | 11-Oct | 12-Oct |
| | | | | Air Quality Monitoring | | |
| 13-Oct | 14-Oct | 15-Oct | 16-Oct | 17-Oct | 18-Oct | 19-Oct |
| | | | Air Quality Monitoring | | | |
| 20-Oct | 21-Oct | 22-Oct | 23-Oct | 24-Oct | 25-Oct | 26-Oct |
| | | Air Quality Monitoring | | | | |
| 27-Oct | 28-Oct | 29-Oct | 30-Oct | 31-Oct | | |
| | Air Quality Monitoring | | | | | |



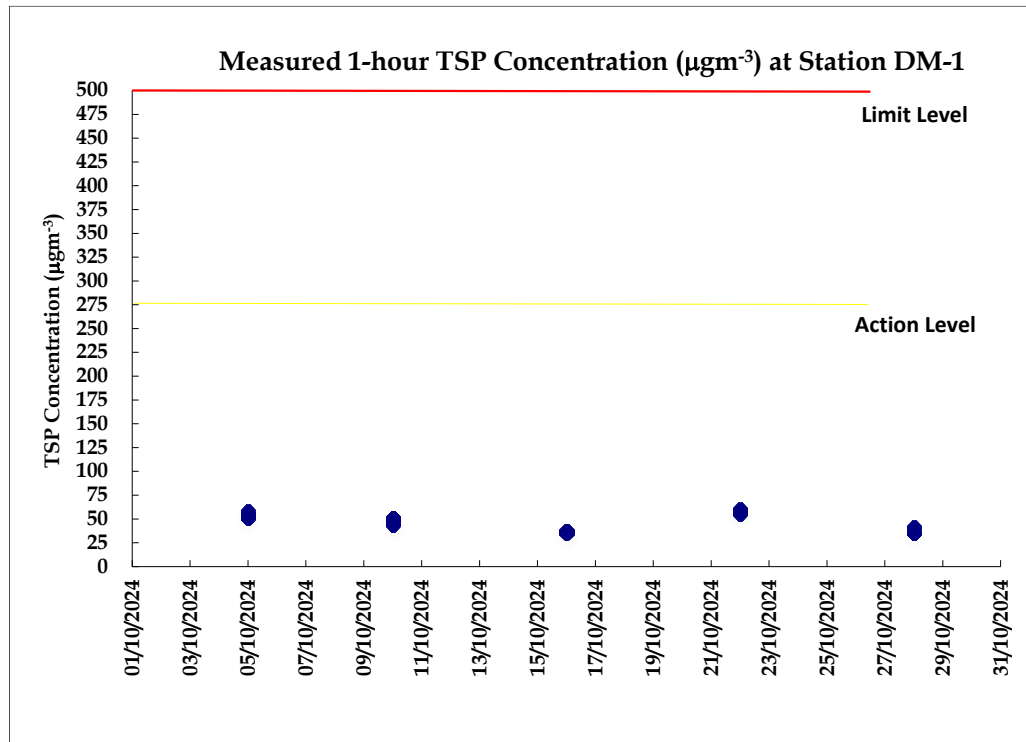
ANNEX E3

MONITORING RESULTS FOR AIR
QUALITY

Table E3 *Data for 1-hr TSP Monitoring at Station DM-1*

| Date | Start Time | Finish Time | Weather | 1-hour TSP ($\mu\text{g}/\text{m}^3$) |
|-------------|-------------------|--------------------|----------------|---|
| 10/5/2024 | 13:02 | 14:02 | Sunny | 55 |
| 10/5/2024 | 14:02 | 15:02 | Sunny | 51 |
| 10/5/2024 | 15:02 | 16:02 | Sunny | 58 |
| 10/10/2024 | 13:00 | 14:00 | Sunny | 44 |
| 10/10/2024 | 14:00 | 15:00 | Sunny | 49 |
| 10/10/2024 | 15:00 | 16:00 | Sunny | 51 |
| 10/16/2024 | 9:03 | 10:03 | Sunny | 37 |
| 10/16/2024 | 10:03 | 11:03 | Sunny | 37 |
| 10/16/2024 | 11:03 | 12:03 | Sunny | 35 |
| 10/22/2024 | 13:55 | 14:55 | Sunny | 60 |
| 10/22/2024 | 14:55 | 15:55 | Sunny | 56 |
| 10/22/2024 | 15:55 | 16:55 | Sunny | 59 |
| 10/28/2024 | 13:52 | 14:52 | Cloudy | 41 |
| 10/28/2024 | 14:52 | 15:52 | Cloudy | 35 |
| 10/28/2024 | 15:52 | 16:52 | Cloudy | 36 |

Figure E3 Graphical Presentation for 1-hr TSP Monitoring at Station DM-1





ANNEX E4

EVENT AND ACTION PLAN FOR AIR
QUALITY

Annex E4 Event and Action Plan for Air Quality

| Event | Action | | | |
|---|---|---|---|--|
| | ET | IEC | ER | Contractor |
| Action level exceedance for one sample | <ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily. | <ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method. | <ol style="list-style-type: none"> 1. Notify Contractor. | <ol style="list-style-type: none"> 1. Rectify any unacceptable practice; 2. Amend working methods if appropriate. |
| Action level exceedance for two or more consecutive samples | <ol style="list-style-type: none"> 1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and ER; 8. If exceedance stops, cease additional monitoring. | <ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures. | <ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. | <ol style="list-style-type: none"> 1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate. |

| Event | Action | | | |
|--|--|---|--|---|
| | ET | IEC | ER | Contractor |
| Limit level exceedance for one sample | <ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform ER, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. | <ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures. | <ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. | <ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate. |
| Limit level exceedance for two or more consecutive samples | <ol style="list-style-type: none"> 1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. | <ol style="list-style-type: none"> 1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures. | <ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. | <ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated. |