

Our ref: SHO/SHD-COR-CEM-ENV-070049

The EIA Ordinance Register Office Environmental Protection Department 27/F, Southorn Centre 130 Hennessy Road Wan Chai, Hong Kong

Attn: Mr. Patrick Wong

#### **BY HAND**

14 April 2022

Dear Patrick,

#### Siu Ho Wan Depot Property Development EP-588/2021 - Siu Ho Wan Station and Siu Ho Wan Depot Replanning Works Condition 3.4 – Monthly EM&A Report (March 2022)

In pursuant to Condition 3.4 of the captioned Environmental Permit (EP), we are pleased to submit 1 hard copy and 1 electronic copy of the Monthly EM&A Report for March 2022. Please be informed that the submission has been certified by the ET Leader and verified by the IEC.

Should you have any queries, please feel free to contact our Cyrus Lau at 3127 6296.

Yours sincerely,

Lisa Poon Chief Environmental Manager (CW)

Encl.

c.c.

IEC Contractor ETL Mr. James ChoiMr. FC Tsang

LP/BC/CL/AL/ct



MTR Corporation Limited

### Siu Ho Wan Station and Siu Ho Wan Depot Replanning Works

Monthly EM&A Report

(March 2022)

|                 |           | to: |
|-----------------|-----------|-----|
| Certified by: _ | Lisa Poon | Ale |

Position: Environmental Team Leader

Date: \_\_\_\_\_14 April 2022

MTR Corporation Limited

### Siu Ho Wan Station and Siu Ho Wan Depot Replanning Works

Monthly EM&A Report

(March 2022)

Verified by: \_\_\_\_\_\_ James Choi Jamo

Position: Independent Environmental Checker

Date: <u>13 April 2022</u>



### **MTR** Corporation Limited

### Siu Ho Wan Depot Property Development -

### **Cable Bridges and Associated Civil Works for Cable Diversion**

### Monthly EM&A Report

(Period from 1 to 31 March 2022)

|                       | Name        | Signature       |
|-----------------------|-------------|-----------------|
| Prepared by           | Andy Mok    | south           |
| Checked & Reviewed by | F. C. Tsang | Toang Jan Bearg |

#### TABLE OF CONTENTS

#### **EXECUTIVE SUMMARY**

| 1. | BASIC PROJECT INFORMATION   | 3  |
|----|---|----|
| 2. | Environmental Status  | 5  |
| 3. | MONITORING RESULTS  | 7  |
| 4. | SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS 1 | 10 |
| 5. | EM&A SITE INSPECTION  | 11 |
| 6. | FUTURE KEY ISSUES 1   | 12 |
| 7. | CONCLUSION AND RECOMMENDATIONS 1                                  | 13 |

#### LIST OF APPENDICES

- A. Construction Programme
- B. Project Organization Chart
- C. Alignment and Works Area for Contract No. 1732
- D. Location Plan of Air Quality Monitoring Station
- E. Calibration Certificate (Air Quality Monitoring)
- F. Monitoring Data (Air Quality Monitoring)
- G. Waste Flow Table
- H. Complaint Handling Procedure
- I. Event-Action Plan (Air Quality Monitoring)
- J. Statistics on Complaint, Notification of Summons and Successful Prosecution
- K. Environmental Mitigation Implementation Schedule (EMIS)
- L. Monitoring Schedule of the Reporting Month
- M. Monitoring Schedule of the Coming Month

#### **EXECUTIVE SUMMARY**

- A.1 This is the 4<sup>th</sup> monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the reporting period from 1 to 31 March 2022.
- A.2 A summary of the construction works reported by the Main Contractor for the Project during the reporting month is listed below.

#### **Construction Activities undertaken**

- Site setup at site office
- UU detection at AB11 area (including trial pit)
- General survey works
- Instrumentation monitoring
- Tree felling works
- Civil works for cable and watermain diversion
- Installation of Piezometer and predrilling
- A.3 A summary of regular construction dust monitoring activities in this reporting period is listed below:

#### **Construction dust (1-hour TSP) monitoring** DM1

18 times

- A.4 Joint weekly site inspections were conducted by representatives of the Contractor, Engineer and Contractor's ET on 3, 10, 17, 24 and 31 March 2022. One joint site inspection with IEC also undertaken on 31 March 2022. Details of the audit findings and implementation status are presented in **Section 5**.
- A.5 Details of waste management are presented in **Section 3**.
- A.6 No exceedance of the Action and Limit Levels of 1-hour TSP was recorded during the reporting period.
- A.7 No complaint or non-compliance was reported in the reporting period.
- A.8 No notification of summon or prosecution was received in this reporting period.
- A.9 No changes of EM&A programme were made in this reporting period.
- A.10 A summary of the construction activities provided by the Main Contractor in the next three reporting months are listed below:

#### Construction Activities to be undertaken

- Civil works for cable trench and draw-pit construction for cable diversion
- Instrumentation monitoring
- AB11 modification works

#### **Construction Activities to be undertaken**

- Pre-drill works
- Piling works for EC3/WC3
- Tree felling
- Construction of footings for EC1/WC1/EC2/WC2
- Assembly of the steel bridges

#### **1. BASIC PROJECT INFORMATION**

- 1.1.1. The Project involves the construction of the foundations and superstructure for two cable bridges and each of two spans across and above the Tung Chung Line, Airport Express Line and the Siu Ho Wan Depot test track. The Works enable the diversion of the existing utilities to provide space for the future foundation works of the Siu Ho Wan Property Development and Station.
- 1.1.2. The Siu Ho Wan Station and Siu Ho Wan Depot Replanning Works Environmental Impact Assessment Report was approved with conditions by the Environmental Protection Department (EPD) on 29 Nov 2017. The latest Environmental Permit (No. EP-588/2021) was issued by the EPD on 22 March 2021.
- 1.1.3. The Project (Contract 1732) was awarded to Paul Y. CRCCI Joint Venture (JV). JV has engaged Acuity Sustainability Consulting Limited as the Environmental Team (ET) for this contract.
- 1.1.4. The Project covers the following construction activities:
  - (a) Site formation, tree removal, site safety fencing and supply and installation of Engineer's Site Accommodation;
  - (b) Diversion of existing above ground watermains to create working areas within the site for the Works;
  - (c) Constructing foundations comprising pre-bored H-piles, and carrying out pile load tests on selected H-piles;
  - (d) Constructing pile caps and spread footing foundations in shallow excavation;
  - (e) Prefabrication of steel truss vertical support frames, and erection on the foundations;
  - (f) Prefabrication of steel truss cable bridges and erection on to the vertical support frames;
  - (g) Prefabrication and erection of a steel link bridge spanning between the cable bridge and the façade of the existing building AB11;
  - (h) Installation of cable trays, cable supports and sunshield in and along the cable bridges, vertical support frames and at external walls of the existing building AB11;
  - (i) Installation of cable bridge miscellaneous details such as roof, drainage, facades, lightings, lightning protection, access control;
  - (j) Installation of ground level cable troughs;
  - (k) Modification of the façade of existing AB11 building for cable feeding out from the building;
  - (1) All temporary railway protection works such as hoardings and retaining structures in course of the Execution of the works; and
  - (m) Supply and installation of equipotential bonding for the cable bridge and associated fixed metal parts attached to the cable bridge.

1.1.5. A summary of the major construction activities undertaken in this reporting period (from 1 to 31 March 2022) is shown in Table 1.1. The construction programme is presented in Appendix A.

### Table 1.1Summary of the construction activities reported by Main Contractor during<br/>the Reporting Month

#### **Construction Activities undertaken**

- Site setup at site office
- UU detection at AB11 area (including trial pit)
- General survey works
- Instrumentation monitoring
- Tree felling works
- Civil works for cable and watermain diversion
- Installation of piezometer and predrilling
- 1.1.6. The project organisational chart specifying management structure and contact details are shown in **Appendix B**.
- 1.1.7. A summary of the valid permits, licences, and /or notifications on environmental protection for this Project is presented in **Table 1.2**.

 
 Table 1.2
 Summary of the Status of Valid Environmental License Notification, Permit and Documentations

| Permit/ Licences/           | Valid Period  |               |                             |                           |  |  |
|-----------------------------|---|---------------|-----------------------------|---------------------------|--|--|
| Notification                | Erom  | То            | Status                      | Remark                    |  |  |
| /Reference No.              | FIOIII  | 10            |                             |                           |  |  |
| <b>Environmental Permit</b> |   |               |                             |                           |  |  |
| EP-588/2021                 | 22 March 2021   | N/A           | Valid                       | -                         |  |  |
| Wastewater Discharge Li     | cense   |               | •                           |                           |  |  |
| WT00040639-2022             | 23 March 2022   | 31 March 2027 | Valid                       | -                         |  |  |
| Notification of Construct   | Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation |               |                             |                           |  |  |
| Dof 472845                  | NI/A  | N/A           | Notified                    | Notification submitted on |  |  |
| Kel. 472843                 | 1N/A  | 1N/A          | Notified                    | 19 Oct 2021               |  |  |
| Chemical Waste Produce      | r Registration  |               |                             | -                         |  |  |
| WPN5213-961-P3457-01        | 19 Nov 2021   | N/A           | Valid                       | -                         |  |  |
| Billing Account for Dispo   | sal of Construction   | n Waste       |                             | -                         |  |  |
| 7042328                     | 25 Nov 2021   | N/A           | Valid                       | -                         |  |  |
| Construction Noise Permit   |   |               |                             |                           |  |  |
| GW PS1032-21                | S1022 21 5 Jan 2022 4 July 2022   | Valid         | Site office genset and main |                           |  |  |
| G W-K51032-21               | 5 Jan 2022  | 4 July 2022   | v allu                      | works                     |  |  |

#### 2. ENVIRONMENTAL STATUS

2.1.1. Environmental permit (EP) conditions under the EIAO, submission status under the EP and implementation status of mitigation measures had been reviewed and implemented on schedule. The status of required submissions under the EP (No. EP-588/2021) as of the reporting period for the Project are summarised in **Table 2.1**.

| EP Condition<br>(EP-588/2021) | Submission                          | Submission date   |  |
|-------------------------------|-------------------------------------|---|--|
|                               |                                     | 11 June 2021 (1 <sup>st</sup> submission)   |  |
| 1.12                          | Commencement Date of                | 12 July 2021 (2nd submission)   |  |
|                               |                                     | 12 August 2021 (3 <sup>rd</sup> submission)                                       |  |
|                               |                                     | 1 November 2021 (1 <sup>st</sup> submission)                                      |  |
| 2.7                           | Construction Works Phasing          | 20 December 2021 (2 <sup>nd</sup> submission)                                     |  |
|                               | Schedule                            | 29 December 2021 (Deposited)  |  |
| 2.8                           | Environmental Permit Submission     | ission 12 August 2021   |  |
| 2.8                           | Schedule                            | 10 September 2021 (Deposited)   |  |
|                               |                                     | 1 November 2021 (1 <sup>st</sup> submission)                                      |  |
| 2.9                           | Management Organization             | 20 December 2021 (2 <sup>nd</sup> submission)                                     |  |
|                               |                                     | 21 March 2022 (3 <sup>rd</sup> submission)  |  |
|                               |                                     | 1 November 2021 (1 <sup>st</sup> submission)                                      |  |
| 2.10                          | Construction Noise Mitigation Plan  | 20 December 2021 (2 <sup>nd</sup> submission)                                     |  |
|                               |                                     | 28 December 2021 (Deposited)  |  |
|                               |                                     | 1 November 2021 (1 <sup>st</sup> submission)                                      |  |
| 2.13                          | Waste Management Plan               | 20 December 2021 (2 <sup>nd</sup> submission)                                     |  |
|                               |                                     | 28 December 2021 (Deposited)  |  |
| 2.2                           | Pasalina Monitoring Papart          | 1 November 2021   |  |
| 5.5                           | Baseline Mointoring Report          | 16 November 2021 (Deposited)  |  |
| 3.4                           | Monthly EM&A Report (December 2021) | 13 January 2022   |  |
| 3.4                           | Monthly EM&A Report (January 2022)  | 15 February 2022  |  |
| 3.4                           | Monthly EM&A Report (February 2022) | 10 March 2022   |  |
| 3.4                           | Monthly EM&A Report (March 2022)    | To be submitted within 10 working<br>days after the end of the reporting<br>month |  |
| 4.2                           | Dedicated Internet Website          | 12 January 2022   |  |

 Table 2.1
 Summary of Status of Required Submission for EP-588/2021 for the Project

2.1.2. Details of the major construction activities undertaken in this reporting period are shown in **Table 2.2**.

 Table 2.2
 Summary of the Construction Activities Undertaken during the Reporting Period

| Construction activities undertaken                | <b>Remarks on progress</b> |
|---|----------------------------|
| • Site setup at site office                       | On-going                   |
| • UU detection at AB11 area (including trial pit) | On-going                   |
| General survey works                              | On-going                   |
| Instrumentation monitoring                        | On-going                   |
| • Tree felling works                              | On-going                   |
| Civil works for cable and watermain diversion     | On-going                   |
| Installation of piezometer and predrilling        | On-going                   |

2.1.3. The drawings showing the project layout and the location of the monitoring station are attached in **Appendix C** and **Appendix D**, respectively. A summary of the monitoring location is shown in **Table 2.3**.

 Table 2.3
 Summary of the location of the monitoring station

| Air Sensitive Receiver (ASR)<br>ID No. in EIA Report | Monitoring Station<br>ID | ASR Description                            |
|--|--------------------------|--|
| A2   | DM1                      | Siu Ho Wan Government<br>Maintenance Depot |

#### **3.** MONITORING RESULTS

#### **3.1.** Monitoring Parameters

#### Air Quality

- 3.1.1. The impact monitoring had been carried out in accordance with Section 2.6 of the approved EM&A Manual, with sampling frequency of at least 3 times in every 6 days undertaken, to determine the 1-hour total suspended particulates (TSP) levels at the monitoring locations in the reporting period.
- 3.1.2. General meteorological conditions (wind speed, direction and precipitation) and notes regarding any significant adjacent dust producing sources had also been recorded throughout the impact monitoring period.

#### **3.2.** Monitoring Equipment and Methodology

#### **Monitoring Equipment**

- 3.2.1. Portable direct reading dust meter was used to carry out the 1-hour TSP monitoring. Portable direct reading dust meters used in this monitoring were proven to the IEC to be capable of achieving comparable result as that of the HVS and, thus, were used for sampling.
- 3.2.2. The equipment used for 1-hour TSP measurement during the reporting month are summarised in **Table 3.1**.

| Measuring<br>Parameter | Monitoring<br>Equipment                                  | Brand and<br>Model  | Serial Number | Date of<br>Calibration |
|------------------------|--|---|---------------|------------------------|
| 1-hour TSP             | Portable direct<br>reading dust<br>meter (1-hour<br>TSP) | Sibata<br>Digital Dust<br>Monitor<br>(Model No.<br>LD-3)  | A.005.11a     | 30 April 2021          |
| 1-hour TSP             | Portable direct<br>reading dust<br>meter (1-hour<br>TSP) | Sibata<br>Digital Dust<br>Monitor<br>(Model No.<br>LD-3B) | A.005.16a     | 30 April 2021          |

 Table 3.1
 Construction Dust Monitoring Equipment

3.2.3. The portable direct reading dust meter was calibrated at 1-year interval against a High Volume Sampler, TE-5170. Copies of calibration certificates of the portable direct reading dust meter are presented in **Appendix E.** 

#### **Monitoring Methodology**

- 3.2.4. The 1-hour TSP measurement followed manufacturer's instruction manual. Before initiating a measurement, zeroing the Portable direct reading dust meter was carried out to ensure maximum accuracy of concentration measurements.
- 3.2.5. The 1-hour TSP was sampled by drawing air into the portable direct reading dust meter where particular concentrations were measured instantaneously with an in-built silicon detector sensing light scattered by the particulates in the sampled air. Continuous TSP levels were indicated and logged by a built-in data logger compatible with Windows based program to facilitate data collection, analysis and reporting.

#### **3.3.** Monitoring Location

3.3.1. Location of the designated dust monitoring station is described in Table 3.2.

 Table 3.2
 Construction Dust Monitoring Equipment

| <b>Monitoring Station ID</b> | Dust Monitoring Station                 |
|------------------------------|---|
| DM1                          | Siu Ho Wan Government Maintenance Depot |

#### **3.4. Result Summary**

- 3.4.1. Dust impact monitoring was carried out at DM1 on 2, 8, 14, 19, 25 and 31 March 2022 during the reporting month (**Appendix L**). According to our field observations, the major dust sources identified included vehicular emissions from North Lantau Highway and Cheung Tung Road. Gentle wind was recorded throughout the monitoring period, with gentle to strong wind recorded occasionally.
- 3.4.2. The results for 1-hour TSP are summarized in **Table 3.3**. The measurement data is presented in **Appendix F.**

| Monitoring | Range                | Action Level         | Limit Level          | No. of Exceedances |
|------------|----------------------|----------------------|----------------------|--------------------|
| Location   | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) | (µg/m <sup>3</sup> ) |                    |
| DM1        | 57.3 - 66.9          | 294.7                | 500                  | 0                  |

Table 3.3Summary of 1-hour TSP Monitoring Results

#### Waste management

3.4.3. The waste generated from this Project includes inert C&D materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes and recyclable wastes such as plastics and paper/ cardboard packaging waste. Steel materials generated from the project are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to 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 3.4**. Details of cumulative waste management data are presented as a waste flow table in **Appendix G**.

|                  | Table 5.4 Qualities of waste generated from the Project |                                      |  |                                  |                          |                        |                            |
|------------------|---|--------------------------------------|--|----------------------------------|--------------------------|------------------------|----------------------------|
|                  | Quantity  |                                      |  |                                  |                          |                        |                            |
|                  |   | ~                                    |  | Non-inert                        | C&D Mater                | ials                   |                            |
| Reporting period | Inert C&D<br>Materials<br>(in<br>'tonnes)               | Chemical<br>Waste<br>(in '000<br>kg) | Others, e.g.<br>General<br>Refuse<br>disposed at |                                  | Recycled m               | aterials               |                            |
|                  | ,   | C,                                   | Landfill<br>(in 'tonnes)                         | Paper/ cardboard<br>(in '000 kg) | Plastics<br>(in '000 kg) | Metals<br>(in '000 kg) | Yard Waste<br>(in '000 kg) |
| March 2022       | 2.78  | 0.0                                  | 9.52   | 0.0                              | 0.0                      | 0.0                    | 4.43                       |

#### Table 3.4 Quantities of waste generated from the Project

- 3.4.4. All dump trucks for C&D materials transportation and disposal were equipped with Global Positioning System (GPS) for real time tracking and monitoring their travel routings and parking locations in order to avoid illegal dumping or landfilling of C&D materials.
- 3.4.5. The GPS data including travel routings of dump trucks was reviewed by the ET and IEC, and no illegal dumping activities were suspected.

#### 4. SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

- 4.1.1. The Environmental Complaint Handling Procedure is shown in Appendix H.
- 4.1.2. Should non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix I** shall be carried out.
- 4.1.3. No exceedance of the Action and Limit Levels of 1-hour TSP was recorded during the reporting month.
- 4.1.4. No complaint or non-compliance was reported in the reporting month.
- 4.1.5. No notification of summons and prosecution was received in the reporting period.
- 4.1.6. Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Appendix J**.

#### 5. EM&A SITE INSPECTION

5.1.1. Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, five (5) site inspections were carried out on 3, 10, 17, 24 and 31 March 2022. One joint site inspection with the IEC was also undertaken on 31 March 2022. Observation and recommendation were reported during the weekly site inspections. Key observations during the site inspections are summarized in Table 5.1.

| Date          | <b>Observation/ Recommendation</b>  | Follow-up Status   |
|---------------|---|--|
| 3 March 2022  | 1. Open stockpiles should be regularly sprayed with water to minimize fugitive dust emission. | 1. Completed. The<br>Contractor sprayed the<br>stockpiles with water in<br>the same day. |
| 10 March 2022 | 1. None.  | 1. None.   |
| 17 March 2022 | 1. None.  | 1. None  |
| 24 March 2022 | 1. None.  | 1. None.   |
| 31 March 2022 | 1. None.  | 1. None.   |

#### Table 5.1Site Observations

- 5.1.2. The Contractor had rectified all observation identified during environmental site inspections in the reporting period.
- 5.1.3. According to the EIA Study Report, Environmental Permit, contract documents and EM&A Manual, the mitigation measures detailed in the documents are implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix K**.

#### 6. FUTURE KEY ISSUES

- 6.1.1. Work to be undertaken in the next three reporting months are:
  - Civil works for cable trench and draw-pit construction for cable diversion
  - Instrumentation monitoring
  - AB11 modification works
  - Pre-drill works
  - Piling works for EC3/WC3
  - Tree felling
  - Construction of footings for EC1/WC1/EC2/WC2
  - Assembly of the steel bridges
- 6.1.2. Potential environmental impacts arising from the above construction activities are mainly associated with dust and waste management.
- 6.1.3. The tentative schedule of regular 1-hour TSP monitoring in the next reporting period is presented in **Appendix M**.
- 6.1.4. The construction programme for the Project for the next reporting month is presented in **Appendix A**.

#### 7. CONCLUSION AND RECOMMENDATIONS

- 7.1.1. This 4<sup>th</sup> monthly EM&A Report presents the EM&A works undertaken during the period from 1 March to 31 March 2022 in accordance with the EM&A Manual and the requirement under EP-588/2021.
- 7.1.2. Air quality (including 1-hour TSP) impact monitoring was carried out in the reporting period. No exceedance of the Action and Limit Levels was recorded for air quality impact monitoring during the reporting period.
- 7.1.3. Weekly environmental site inspections were conducted during the reporting period. A joint site inspection with the IEC was carried out on 31 March 2022. Minor deficiencies were observed during site inspections and were rectified. The environmental performance of the Project was therefore considered satisfactory.
- 7.1.4. No complaint or non-compliance was reported in the reporting month.
- 7.1.5. No notification of summons or prosecution was received in the reporting month.
- 7.1.6. The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.
- 7.1.7. No change of EM&A programme was made in this reporting period.
- 7.1.8. The proposed mitigation measures were properly implemented and were considered effective and efficient in pollution control.

### Appendix A Construction Programme

| Construction Activities   |     | 2021 |    |   |    | 2022 |   |    |   |    | 2023 |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   |   |
|---|-----|------|----|---|----|------|---|----|---|----|------|---|-----|----|----|-----|---|----|-----|----|-----|---|----|---|-----|---|---|
|   |     | JI   | FM | A | ΜJ | JJ   | Α | SC | N | DJ | F    | М | A N | IJ | JA | A S | 0 | NE | ) J | FΙ | / A | М | JJ | Α | S O | Ν | D |
| Contrct 1732 – Cable Bridges and Associated Civil Works for Cable Diversion | 2   |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   |   |
| Site Clearance & Hoarding/UU/Cable Trenches                                 | 2.1 |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     | Τ |   |
| H-piling  | 2.2 |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   | _ |
| Excavation (Soil)   | 2.3 |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   |   |
| Substructure (footings, pile caps, columns)                                 | 2.4 |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   |   |
| Backfilling   | 2.5 |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   |   |
| Superstructure (Cable Bridges)  | 2.6 |      |    |   |    |      |   |    |   |    |      |   |     |    |    |     |   |    |     |    |     |   |    |   |     |   |   |

### Appendix B Project Organization Chart





#### Acuity Sustainability Consulting Limited

#### MTR's Contact:

| MTRC - Project Management Team      |                  |           |  |  |  |  |  |  |  |
|-------------------------------------|------------------|-----------|--|--|--|--|--|--|--|
| Position                            | Name             | Telephone |  |  |  |  |  |  |  |
| Chief Project Co-ordination Manager | Mrs. Sammi Ngan  | 2208 3753 |  |  |  |  |  |  |  |
| Senior Project Manager-Property     | Mr. Alexis Leung | 2993 8028 |  |  |  |  |  |  |  |
| Senior Design Manager-Civil         | Mr. Ricky Lowe   | 2208 3347 |  |  |  |  |  |  |  |

| MTRC - Environmental Team |               |           |  |  |  |  |  |  |
|---------------------------|---------------|-----------|--|--|--|--|--|--|
| Position                  | Name          | Telephone |  |  |  |  |  |  |
| Environmental Team Leader | Ms. Lisa Poon | 3127 6295 |  |  |  |  |  |  |
| Environmental Team Member | Mr. Cyrus Lau | 3127 6296 |  |  |  |  |  |  |

| ANewR Consulting Limited - IEC    |                |           |  |  |  |  |  |  |
|-----------------------------------|----------------|-----------|--|--|--|--|--|--|
| Position                          | Name           | Telephone |  |  |  |  |  |  |
| Independent Environmental Checker | Mr. James Choi | 2618 2836 |  |  |  |  |  |  |

Contractor's Contact:

| Main Works Contract | Description                       | Contractor     | Position                        | Name         | Telephone |
|---------------------|-----------------------------------|----------------|---------------------------------|--------------|-----------|
|                     |                                   |                | Project Manager                 | David Wong   | 9712 9984 |
| 1722                | Construction of cable bridges and | Paul Y – CRCCI | Environmental Officer           | Pan Fong     | 9436 9435 |
| 1/32                | diversion                         | Joint Venture  | Assistant Environmental Officer | So Kwok Fung | 6273 1608 |
|                     |                                   |                | Environmental Team Leader       | FC Tsang     | 9223 4543 |

### Appendix C

### Alignment and Works Area for Contract No. 1732



# Appendix D Location Plan of Air Quality Monitoring Station



# Appendix E Calibration Certificates (Air Quality Monitoring Equipment)

#### Acuity Sustainability Consulting Limited

#### EQUIPMENT CALIBRATION RECORD

| Type:                          |                  |                | Laser Dus     | t Monitor | · · · · · · · · · · · · · · · · · · · |               |          |
|--------------------------------|------------------|----------------|---------------|-----------|---------------------------------------|---------------|----------|
| Manufact                       | urer/Brand:      |                | SIBATA        |           |                                       |               |          |
| Model No                       | .:               |                | LD-3          |           |                                       |               |          |
| Equipmen                       | t No.:           |                | A.005.11      | a         |                                       |               |          |
| Sensitivity                    | Adjustment Scale | e Setting:     | 799 CPM       |           |                                       |               | -        |
| Operator:                      |                  |                | Mike She      | k (MSKM)  |                                       |               | -        |
| Standard I                     | Equimment        | -              |               |           |                                       |               |          |
| Equipment: High Volume Sampler |                  |                |               |           |                                       |               |          |
| Venue:                         |                  |                | Fanling G     | 2         |                                       |               |          |
| Model No.                      | .:               |                | TE-5170       |           |                                       |               |          |
| Serial No.:                    |                  |                | 3154          | 5a -      |                                       |               |          |
| Last Calibr                    | ation Date:      |                | 23-Apr-22     | <u>.</u>  |                                       |               |          |
|                                |                  |                |               |           |                                       |               | _        |
| Calibration                    | n Result         |                |               |           |                                       |               |          |
| Sensitivity                    | Adjustment Scale | e Setting (Bef | ore Calibrati | on):      |                                       | 799           | CPM      |
| Sensitivity                    | Adjustment Scale | e Setting (Aft | er Calibratio | n):       |                                       | 799           | СРМ      |
| Hour                           | Date             | Time           | Ambient       | Condition | Concentration ①                       | Total Count 2 | Count/   |
|                                | (dd/mm/yy)       |                | Temp (°C)     | R.H.(%)   | (mg/m3)                               |               | Minute ③ |

|   | (dd/mm/yy) | · · · · · · | Temp (°C) | R.H.(%) | (mg/m3)<br>V-axis |      | Minute(3) |
|---|------------|-------------|-----------|---------|-------------------|------|-----------|
| 1 | 30/04/21   | 9:30-10:30  | 28.0      | 78      | 0.04950           | 1902 | 31.70     |
| 2 | 30/04/21   | 10:30-11:30 | 28.0      | 78      | 0.05045           | 2002 | 33.37     |
| 3 | 30/04/21   | 11:30-12:30 | 28.0      | 78      | 0.05250           | 2122 | 35.37     |
| 4 | 30/04/21   | 12:30-13:30 | 28.0      | 78      | 0.05520           | 2284 | 38.07     |

Note: 1 Monitoring data was measured by High Volume Sampler

(2) Total Count was logged by Laser Dust Monitor

③ Count/minute was calculated by (Total Count/60)

| y Linear Regression of Y on X |        |
|-------------------------------|--------|
| Slope (K-factor):             | 0.0015 |
| Correlation coefficient:      | 0.9993 |

Validity of Calibration Record:

Remarks:

QC Reviewer:

Signature:

Date: 3May 2

30-Apr-22

#### EQUIPMENT CALIBRATION RECORD

|  |  |   | Laser Dust Monitor  |  |  |                              |   |  |  |
|--|--|---|---|--|--|------------------------------|---|--|--|
| Manufact                               | urer/Brand:  |   | SIBATA  |  |  |                              | •   |  |  |
| Model No                               | <b>.</b> :   |   | LD-3B   |  |  |                              |   |  |  |
| Equipmen                               | nt No.:  |   | A.005.16a   | a  |  |                              |   |  |  |
| Sensitivit                             | y Adjustment Sca   | ale Setting:  | 521 CPM   |  |  |                              |   |  |  |
| Operator                               |  |   | Mike She  |  |  |                              |   |  |  |
| Standard                               | Equimment  |   |   |  |  |                              |   |  |  |
| Equipmer                               | nt:  |   | High Volu   | me Samp  | ler  |                              |   |  |  |
| Venue:                                 |  |   | Fanling G   | overnmer   | nt Secondary Scho  | ol                           |   |  |  |
| Model No                               | o.:  |   | TE-5170   |  |  |                              |   |  |  |
| Serial No.                             | 9. C. S. S.  |   | 3154  | -  |  |                              |   |  |  |
| Last Calib                             | ration Date:   |   | 23-Apr-21   |  |  |                              |   |  |  |
| Calibratio                             | n Result   |   |   |  |  | -                            |   |  |  |
| Sensitivity                            | Adjustment Sca   | ale Setting (Befor  | re Calibrati  | on):   |  | 521                          | CPM   |  |  |
| Sensitivity                            | Adjustment Sca   | ale Setting (After  | Calibratio  | n):  |  | 521                          |   |  |  |
|  |  |   |   |  |  |                              | e. m  |  |  |
| Hour                                   | Date   | Time  | Ambient   | Condition  | Concentration (1)  | Total Count(2)               | Count/  |  |  |
|  | I CONTRACTOR AND   |   |   |  |  |                              |   |  |  |
|  | (dd/mm/yy)   |   | Temp (°C)   | R.H.(%)  | (mg/m3)  |                              | Minute(3)   |  |  |
|  | (dd/mm/yy)   |   | Temp (°C)   | R.H.(%)  | (mg/m3)<br>Y-axis  |                              | Minute③<br>X-axis                                       |  |  |
| 1                                      | (dd/mm/yy)<br>30/04/21   | 9:30-10:30  | Temp (°C)<br>28.0   | R.H.(%)  | (mg/m3)<br>Y-axis<br>0.04950   | 1860                         | Minute③<br>X-axis<br>31.00                              |  |  |
| 1 2                                    | (dd/mm/yy)<br>30/04/21<br>30/04/21   | 9:30-10:30<br>10:30-11:30   | Temp (°C)<br>28.0<br>28.0   | R.H.(%)<br>78<br>78  | (mg/m3)<br>Y-axis<br>0.04950<br>0.05045                                  | 1860<br>1955                 | Minute③<br>X-axis<br>31.00<br>32.58                     |  |  |
| 1<br>2<br>3                            | (dd/mm/yy)<br>30/04/21<br>30/04/21<br>30/04/21   | 9:30-10:30<br>10:30-11:30<br>11:30-12:30  | Temp (°C)<br>28.0<br>28.0<br>28.0   | R.H.(%)<br>78<br>78<br>78  | (mg/m3)<br>Y-axis<br>0.04950<br>0.05045<br>0.05250                       | 1860<br>1955<br>2062         | Minute(3)<br>X-axis<br>31.00<br>32.58<br>34.37          |  |  |
| 1<br>2<br>3<br>4                       | (dd/mm/yy)<br>30/04/21<br>30/04/21<br>30/04/21<br>30/04/21<br>(1) Monitoring   | 9:30-10:30<br>10:30-11:30<br>11:30-12:30<br>12:30-13:30<br>data was measu   | Temp (°C)<br>28.0<br>28.0<br>28.0<br>28.0<br>28.0   | R.H.(%)<br>78<br>78<br>78<br>78<br>78<br>78                                      | (mg/m3)<br>Y-axis<br>0.04950<br>0.05045<br>0.05250<br>0.05520<br>Sampler | 1860<br>1955<br>2062<br>2163 | Minute(3)<br>X-axis<br>31.00<br>32.58<br>34.37<br>36.05 |  |  |
| 1<br>2<br>3<br>4<br>Note:<br>3y Linear | (dd/mm/yy)<br>30/04/21<br>30/04/21<br>30/04/21<br>30/04/21<br>(1) Monitoring<br>(2) Total Count<br>(3) Count/minu<br>Regression of Y of<br>Slope (K-factor)  | 9:30-10:30<br>10:30-11:30<br>11:30-12:30<br>12:30-13:30<br>data was measu<br>was logged by L<br>ute was calculate<br>on X<br>):                       | Temp (°C)<br>28.0<br>28.0<br>28.0<br>28.0<br>28.0<br>irred by Hig<br>aser Dust f<br>ed by (Total<br>0.0015    | R.H.(%)<br>78<br>78<br>78<br>78<br>78<br>78<br>h Volume<br>Monitor<br>I Count/60 | (mg/m3)<br>Y-axis<br>0.04950<br>0.05045<br>0.05250<br>0.05520<br>Sampler | 1860<br>1955<br>2062<br>2163 | Minute(3)<br>X-axis<br>31.00<br>32.58<br>34.37<br>36.05 |  |  |
| 1<br>2<br>3<br>4<br>Note:<br>By Linear | (dd/mm/yy)<br>30/04/21<br>30/04/21<br>30/04/21<br>30/04/21<br>(1) Monitoring<br>(2) Total Count<br>(3) Count/minu<br>Regression of Y of<br>Slope (K-factor)<br>Correlation coe   | 9:30-10:30<br>10:30-11:30<br>11:30-12:30<br>12:30-13:30<br>data was measu<br>was logged by L<br>ute was calculate<br>on X<br>):<br>:fficient:         | Temp (°C)<br>28.0<br>28.0<br>28.0<br>28.0<br>28.0<br>aser Dust f<br>ed by (Total<br>0.0015<br>0.9997          | R.H.(%)<br>78<br>78<br>78<br>78<br>78<br>h Volume<br>Monitor<br>I Count/60       | (mg/m3)<br>Y-axis<br>0.04950<br>0.05045<br>0.05250<br>0.05520<br>Sampler | 1860<br>1955<br>2062<br>2163 | Minute(3)<br>X-axis<br>31.00<br>32.58<br>34.37<br>36.05 |  |  |
| 1<br>2<br>3<br>4<br>Note:<br>By Linear | (dd/mm/yy)<br>30/04/21<br>30/04/21<br>30/04/21<br>1 Monitoring<br>(2) Total Count<br>(3) Count/minu<br>Regression of Y of<br>Slope (K-factor)<br>Correlation coefficient | 9:30-10:30<br>10:30-11:30<br>11:30-12:30<br>12:30-13:30<br>data was measu<br>was logged by L<br>ute was calculate<br>on X<br>):<br>:fficient:<br>ord: | Temp (°C)<br>28.0<br>28.0<br>28.0<br>28.0<br>28.0<br>aser Dust f<br>ed by (Total<br>0.0015<br>0.9997<br>30-Ap | R.H.(%)<br>78<br>78<br>78<br>78<br>78<br>h Volume<br>Monitor<br>I Count/60       | (mg/m3)<br>Y-axis<br>0.04950<br>0.05045<br>0.05250<br>0.05520<br>Sampler | 1860<br>1955<br>2062<br>2163 | Minute(3)<br>X-axis<br>31.00<br>32.58<br>34.37<br>36.05 |  |  |

## Appendix F Monitoring Data (Air Quality Monitoring)

|           |          | Start            | 1 <sup>st</sup> Hour | 2 <sup>nd</sup> Hour | 3 <sup>rd</sup> Hour |
|-----------|----------|------------------|----------------------|----------------------|----------------------|
| Date      | Weather  | Time             | μg/m <sup>3</sup>    | μg/m <sup>3</sup>    | μg/m <sup>3</sup>    |
| 2/3/2022  | Fine     | 10:40            | 61.5                 | 62.3                 | 61.1                 |
| 8/3/2022  | Fine     | 10:30            | 66.9                 | 65.6                 | 64.0                 |
| 14/3/2022 | Fine     | 10:30            | 61.0                 | 58.4                 | 57.3                 |
| 19/3/2022 | Fine     | 13:10            | 59.2                 | 61.6                 | 58.1                 |
| 25/3/2022 | Cloudy   | 10:15            | 59.9                 | 62.1                 | 61.4                 |
| 31/3/2022 | Sunny    | 10:30            | 61.1                 | 59.2                 | 62.4                 |
|           | Minimum: | $57.3 \mu g/m^3$ |                      | Maximum:             | $66.9 \mu g/m^3$     |

| The Summary of 1-hour TSP Concentration (µg/m <sup>3</sup> ) at Location D | )M1 |
|--|-----|
|--|-----|



### Appendix G Waste Flow Table

# Monthly Summary Waste Flow TableName of Department:MTRMonthly Summary Waste Flow Table forMarch 2022

|                   |                                 |   | Actual Quantities of Inert Co | nstruction Waste Genera            | ated Monthly                         |                      |
|-------------------|---------------------------------|---|-------------------------------|------------------------------------|--------------------------------------|----------------------|
| Month             | (a)<br>Total Quantity Generated | (b)<br>Hard Rock and Large<br>Broken Concrete | (c)<br>Reused in the Contract | (d)<br>Reused in other<br>Projects | (e)<br>Disposed of as<br>Public Fill | (f)<br>Imported Fill |
|                   | (in 'tonnes)                    | (in 'tonnes)                                  | (in 'tonnes)                  | (in 'tonnes)                       | (in 'tonnes)                         | (in 'tonnes)         |
| Jan-22            | 0                               | 0   | 0                             | 0                                  | 0                                    | 0                    |
| Feb-22            | 0                               | 0   | 0                             | 0                                  | 0                                    | 0                    |
| Mar-22            | 2.78                            | 2.78  | 0                             | 0                                  | 0                                    | 0                    |
| Apr-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| May-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Jun-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Sub-total         | 2.78                            | 2.78  | 0                             | 0                                  | 0                                    | 0                    |
| Jul-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Aug-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Sep-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Oct-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Nov-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Dec-22            | NA                              | NA  | NA                            | NA                                 | NA                                   | NA                   |
| Total             | 2.78                            | 2.78  | 0.0                           | 0.0                                | 0.0                                  | 0.0                  |
| 2021              | 0.0                             | 0.0   | 0.0                           | 0.0                                | 0.0                                  | 0.0                  |
| Accumulated Total | 2.78                            | 0.0   | 0.0                           | 0.0                                | 0.0                                  | 0.0                  |

|             | Actual Quantities of Non-inert Construction Waste Generated Monthly |                                      |                 |                       |                              |   |  |  |
|-------------|---|--------------------------------------|-----------------|-----------------------|------------------------------|---|--|--|
| Month       | (g)<br>Metals   | (h)<br>Paper/ cardboard<br>packaging | (i)<br>Plastics | (j)<br>Chemical Waste | (k)<br>Recyclable Yard Waste | (l)<br>Others, e.g. General Refuse<br>disposed of at Landfill |  |  |
|             | (in '000kg)   | (in '000kg)                          | (in '000kg)     | (in '000kg)           | (in '000kg)                  | (in 'tonnes)  |  |  |
|             | generated   | generated                            | generated       | generated             | generated                    | generated   |  |  |
| Jan-22      | 0   | 0.03                                 | 0               | 0                     | 0                            | 140.76  |  |  |
| Feb-22      | 0   | 0.051                                | 0               | 0                     | 0                            | 28.18   |  |  |
| Mar-22      | 0   | 0                                    | 0               | 0                     | 4.43                         | 9.52  |  |  |
| Apr-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| May-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Jun-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Sub-total   | 0   | 0.081                                | 0               | 0                     | 4.43                         | 178.46  |  |  |
| Jul-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Aug-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Sep-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Oct-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Nov-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Dec-22      | NA  | NA                                   | NA              | NA                    | NA                           | NA  |  |  |
| Total       | 0.0   | 0.081                                | 0.0             | 0.0                   | 0.0                          | 178.46  |  |  |
| 2021        | 0.0   | 0.0                                  | 0.0             | 0.0                   | 0.0                          | 0.0   |  |  |
| Accumulated | 0.0   | 0.081                                | 0.0             | 0.0                   | 0.0                          | 178.46  |  |  |

### Appendix H Complaint Handling Procedure



### Appendix I Event-Action Plan (Air Quality Monitoring)

| FUENT   |  | ACTION   |   |  |  |
|---|--|--|---|--|--|
| EVENT   | ET   | IEC  | ER  | CONTRACTOR   |  |
| ACTION LEVEL  |  | ·  |   |  |  |
| Exceedance for<br>one sample                            | <ol> <li>Repeat measurement to confirm<br/>findings;</li> <li>If exceedance is confirmed,<br/>inform the Contractor, IEC and<br/>ER;</li> <li>Identify source(s), investigate the<br/>causes of exceedance and<br/>propose remedial measures; and</li> <li>Increase monitoring frequency.</li> </ol>   | <ol> <li>Check monitoring data<br/>submitted by the ET;</li> <li>Check Contractor's working<br/>method; and</li> <li>Discuss with ET, ER and<br/>Contractor on possible remedial<br/>measures</li> <li>Review and advise the ET and<br/>ER on the effectiveness of the<br/>proposed remedial measures.</li> </ol>  | <ol> <li>Confirm receipt of<br/>notification of exceedance<br/>in writing.</li> </ol>   | <ol> <li>Identify source(s),<br/>investigate the causes<br/>of exceedance and<br/>propose remedial<br/>measures;</li> <li>Implement remedial<br/>measures; and</li> <li>Amend working<br/>methods agreed with<br/>the ER as appropriate.</li> </ol>  |  |
| Exceedance for<br>two or more<br>consecutive<br>samples | <ol> <li>Repeat measurements to confirm<br/>findings;</li> <li>If exceedance is confirmed,<br/>inform Contractor, IEC and ER;</li> <li>Identify source(s), investigate the<br/>causes of exceedance and<br/>propose remedial measures;</li> <li>Increase monitoring frequency to<br/>daily;</li> <li>Advise the Contractor and ER on<br/>the effectiveness of the proposed<br/>remedial measures;</li> <li>Discuss with IEC and Contractor<br/>on remedial actions required;</li> <li>If exceedance continues, arrange<br/>meeting with Contractor, IEC and<br/>ER to discuss the remedial<br/>measures to be taken; and</li> <li>If exceedance stops, cease<br/>additional monitoring.</li> </ol> | <ol> <li>Check monitoring data<br/>submitted by the ET;</li> <li>Check Contractor's working<br/>method; and</li> <li>Discuss with ET, ER and<br/>Contractor on possible remedial<br/>measures;</li> <li>Review and advise the ET and<br/>ER on the effectiveness of the<br/>proposed remedial measures;<br/>and</li> <li>Supervise Implementation of<br/>remedial measures.</li> </ol> | <ol> <li>Confirm receipt of<br/>notification of exceedance<br/>in writing;</li> <li>In consultation with the ET<br/>and IEC agree with the<br/>Contractor on the<br/>remedial measures to be<br/>implemented; and</li> <li>Supervise implementation<br/>of remedial measures</li> </ol> | <ol> <li>Identify source(s) and<br/>investigate the causes<br/>of exceedance;</li> <li>Submit proposals for<br/>remedial measures to<br/>the ER, ET and IEC<br/>within three working<br/>days of notification for<br/>agreement;</li> <li>Implement the agreed<br/>proposals; and</li> <li>Amend proposal as<br/>appropriate.</li> </ol> |  |

| EVENT   |  | ACTION   |   |  |  |
|---|--|--|---|--|--|
| EVENI   | ET   | IEC  | ER  | CONTRACTOR   |  |
| LIMIT LEVEL   |  |  |   |  |  |
| Exceedance for<br>one sample                            | <ol> <li>Repeat measurement to confirm<br/>findings;</li> <li>If exceedance is confirmed,<br/>inform the Contractor, IEC, EPD<br/>and ER;</li> <li>Identify source(s), investigate the<br/>causes of exceedance and<br/>propose remedial;</li> <li>Increase monitoring frequency to<br/>daily; and</li> <li>Discuss with the ER, IEC and<br/>Contractor on the remedial<br/>measures and assess<br/>effectiveness.</li> </ol>  | <ol> <li>Check monitoring data<br/>submitted by the ET;</li> <li>Check Contractor's working<br/>method;</li> <li>Discuss with the ET, ER and<br/>Contractor on possible remedial<br/>measures;</li> <li>Review and advise the ET and<br/>ER on the effectiveness of the<br/>proposed remedial measures;<br/>and</li> <li>Supervise implementation of<br/>remedial measures.</li> </ol> | <ol> <li>Confirm receipt of<br/>notification of exceedance<br/>in writing;</li> <li>Review and agree on the<br/>remedial measures<br/>proposed by the<br/>Contractor; and</li> <li>Ensure remedial measures<br/>properly implemented.</li> </ol>  | <ol> <li>Identify source(s) and<br/>investigate the causes<br/>of exceedance;</li> <li>Take immediate<br/>action to avoid further<br/>exceedance;</li> <li>Submit proposals for<br/>remedial measures to<br/>ER, ET and IEC within<br/>three working days of<br/>notification for<br/>agreement;</li> <li>Implement the agreed<br/>proposals; and</li> <li>Amend proposal if<br/>appropriate.</li> </ol>   |  |
| Exceedance for<br>two or more<br>consecutive<br>samples | <ol> <li>Repeat measurement to confirm<br/>findings;</li> <li>If exceedance is confirmed,<br/>inform IEC, ER, Contractor and<br/>EPD;</li> <li>Identify source(s), investigate the<br/>causes of exceedance and<br/>propose remedial measures;</li> <li>Increase monitoring frequency to<br/>daily;</li> <li>Carry out analysis of Contractor's<br/>working procedures to determine<br/>possible mitigation to be<br/>implemented;</li> <li>Arrange meeting with IEC and<br/>ER to discuss the remedial<br/>actions to be taken;</li> <li>Assess effectiveness of<br/>Contractor's remedial actions and</li> </ol> | <ol> <li>Check monitoring data<br/>submitted by the ET;</li> <li>Discuss amongst ER, ET, and<br/>Contractor on the potential<br/>remedial actions;</li> <li>Review Contractor's remedial<br/>actions whenever necessary to<br/>assure their effectiveness and<br/>advise the ER accordingly; and</li> <li>Supervise the implementation of<br/>remedial measures.</li> </ol>            | <ol> <li>Confirm receipt of<br/>notification of exceedance<br/>in writing;</li> <li>In consultation with the ET<br/>and IEC, agree with the<br/>Contractor on the remedial<br/>measures to be<br/>implemented;</li> <li>Supervise the<br/>implementation of remedial<br/>measures; and</li> <li>If exceedance continues,<br/>consider what portion of<br/>the work is responsible and<br/>instruct the Contractor to<br/>stop that portion of work<br/>until the exceedance is<br/>abated.</li> </ol> | <ol> <li>Identify source(s) and<br/>investigate the causes<br/>of exceedance;</li> <li>Take immediate action<br/>to avoid further<br/>exceedance;</li> <li>Submit proposals for<br/>remedial measures to<br/>the ER, IEC and ET<br/>within three working<br/>days of notification for<br/>agreement;</li> <li>Implement the agreed<br/>proposals;</li> <li>Revise and resubmit<br/>proposals if problem<br/>still not under control;<br/>and</li> <li>Stop the relevant</li> </ol> |  |

| EVENT | EVENT | ACTION   |    |            |   |  |  |
|-------|-------|--|----|------------|---|--|--|
|       | ET    | IEC  | ER | CONTRACTOR |   |  |  |
|       |       | <ul><li>keep IEC, EPD and ER informed<br/>of the results; and</li><li>8. If exceedance stops, cease<br/>additional monitoring.</li></ul> |    |            | portion of works as<br>determined by the ER<br>until the exceedance is<br>abated. |  |  |

Note: ET – Environmental Team; ER – Engineer's Representative; IEC – Independent Environmental Checker

## Appendix J Statistics on Complaint, Notification of Summons and Successful Prosecution

#### **Statistical Summary of Exceedance**

| Air Quality |              |             |       |  |  |  |  |
|-------------|--------------|-------------|-------|--|--|--|--|
| Location    | Action Level | Limit Level | Total |  |  |  |  |
| DM1         | 0            | 0           | 0     |  |  |  |  |

#### Statistical Summary of Environmental Complaint

| Departing Davied | Environmental Complaint Statistics |            |                         |  |  |  |
|------------------|------------------------------------|------------|-------------------------|--|--|--|
| Reporting Period | Frequency                          | Cumulative | <b>Complaint Nature</b> |  |  |  |
| 1 March 2022-    | 0                                  | 0          | NI/A                    |  |  |  |
| 31 March 2022    | 0                                  | 0          | IN/A                    |  |  |  |

#### Statistical Summary of Environmental Non-compliance

| Donorting Doriod | Environmental Non-compliance Statistics |            |         |  |  |  |
|------------------|---|------------|---------|--|--|--|
| Reporting Feriou | Frequency                               | Cumulative | Details |  |  |  |
| 1 March 2022-    | 0                                       | 0          | NI/A    |  |  |  |
| 31 March 2022    | 0                                       | 0          | IN/A    |  |  |  |

#### Statistical Summary of Environmental Summons

| Donorting Doriod | Environmental Summons Statistics |            |            |  |  |  |
|------------------|----------------------------------|------------|------------|--|--|--|
| Reporting Feriod | Frequency                        | Cumulative | Details    |  |  |  |
| 1 March 2022-    | 0                                | 0          | $N/\Delta$ |  |  |  |
| 31 March 2022    | 0                                | 0          | 1 1/2 1    |  |  |  |

#### Statistical Summary of Environmental Prosecution

| Departing Daried               | Environmental Prosecution Statistics |            |         |  |  |  |
|--------------------------------|--------------------------------------|------------|---------|--|--|--|
| Reporting Period               | Frequency                            | Cumulative | Details |  |  |  |
| 1 March 2022-<br>31 March 2022 | 0                                    | 0          | N/A     |  |  |  |

# Appendix K Environmental Mitigation Implementation Schedule (EMIS)

| EIA Ref.    | <b>Recommended Mitigation Measures</b>  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements                                    | Implementation<br>Status |
|-------------|---|---|-------------------------|-----------------------------|-------------------------|---|--------------------------|
| Air Quality | v (Construction Phase)  |   |                         |                             |                         |   |                          |
| S3.8.1      | Watering once per hour on active works areas, exposed areas and unpaved haul roads during working hours.  | To minimize dust<br>impacts   | Contractor              | All works area              | Construction phase      | Air Pollution<br>Control<br>Ordinance<br>(APCO) | Implemented              |
| \$3.8.9     | <ul> <li>Implementation of dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices should be carried out to further minimize construction dust impact.</li> <li>Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.</li> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs.</li> <li>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.</li> <li>Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> </ul> | To minimize<br>dust impacts   | Contractor              | All works area              | Construction<br>phase   | Air Pollution<br>Control<br>Ordinance<br>(APCO) | Implemented              |
|             | <ul> <li>Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.</li> <li>Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading points,</li> </ul>   |   |                         |                             |                         |   |                          |

| EIA Ref.  | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|-----------|--|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
|           | and use of water sprinklers at the loading area where<br>dust generation is likely during the loading process of<br>loose material, particularly in dry seasons/ periods.  |   |                         |                             |                         |              |                          |
|           | • Imposition of speed controls for vehicles on unpaved site roads. 8 kilometres 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<br>in a closed silo fitted with an audible high level alarm<br>which is interlocked with the material filling line and<br>no overfilling is allowed.  |   |                         |                             |                         |              |                          |
|           | • Loading, unloading, transfer, handling or storage of<br>bulk cement or dry PFA should be carried out in a<br>totally enclosed system or facility, and any vent or<br>exhaust should be fitted with an effective fabric filter<br>or equivalent air pollution control system. |   |                         |                             |                         |              |                          |
| Noise Imp | act (Construction Phase)   |   |                         | •                           |                         | •            |                          |
| S4.5.16   | <ul> <li>Implement the following good site practices as far as practicable:</li> <li>Only well-maintained plant should be operated on-site, and plant should be conviced regularly during the</li> </ul>   | To minimise<br>impacts to<br>surrounding<br>habitats                            | Contractor              | All works area              | Construction phase      | TM-EIAO      | Implemented              |

| EIA Ref.   | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements               | Implementation<br>Status |
|------------|--|---|-------------------------|-----------------------------|-------------------------|----------------------------|--------------------------|
|            | construction program;  |   |                         |                             |                         |                            |                          |
|            | • Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction program;  |   |                         |                             |                         |                            |                          |
|            | • Mobile plant, is any, should be sited as far from NSRs as possible;  |   |                         |                             |                         |                            |                          |
|            | • Machine 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 utilised, wherever practicable, in screening noise from on-site construction activities   |   |                         |                             |                         |                            |                          |
| S4.5.17    | Adopting quiet PME is recommended. The type of quiet<br>PME adopted in this assessment is for reference only. The<br>contractors may adopt alternative quiet PME as long as it can<br>be demonstrated that they would not result in construction<br>noise impacts worse than those predicted in this assessment. | To reduce impact<br>to affected NSRs  | Contractor              | All works area              | Construction<br>phase   | TM-EIAO                    | Implemented              |
| S4.5.19    | Use of noise barriers and noise enclosures to provide screening for construction plant where recommended.  | To reduce impact to affected NSRs   | Contractor              | All works area              | Construction phase      | TM-EIAO                    | N/A                      |
| Water Qual | ity Impact (Construction Phase)  | ·   | •                       |                             |                         |                            |                          |
| S5.8.4     | Surface and road run-off from construction sites should be discharged into storm drains via adequately designed  | To minimise<br>impact from  | Contractor              | All works area              | Construction phase      | Water Pollution<br>Control | Implemented              |

| EIA Ref. | <b>Recommended Mitigation Measures</b>   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements  | Implementation<br>Status |
|----------|--|---|-------------------------|-----------------------------|-------------------------|---|--------------------------|
|          | sand/silt removal facilities such as sand traps, silt traps and<br>sedimentation basins. Channels or earth bunds or sand bag<br>barriers should be provided on site to properly direct<br>stormwater to such silt removal facilities. Perimeter channels<br>should be provided on site boundaries where necessary to<br>intercept storm run-off from outside the site so that it will not<br>wash across the site. Catchpits and perimeter channels<br>should be constructed in advance of site formation works and<br>earthworks. | construction site<br>run-off  |                         |                             |                         | Ordinance<br>(WPCO),<br>Technical<br>Memorandum<br>on EIA<br>Ordinance<br>(EIAO-TM),<br>ProPECC PN<br>1/94, Technical<br>Memorandum on<br>Standards for<br>Effluents<br>Discharged into<br>Drainage and<br>Sewerage<br>Systems, Inland<br>and Coastal<br>Waters<br>(TM-DSS) |                          |
| \$5.8.5  | Silt removal facilities, channels and manholes should be<br>maintained, and the deposited silt and grit should be<br>removed regularly, at the onset of and after each rainstorm<br>to prevent local flooding. Any practical options for the<br>diversion and re- alignment of drainage should comply with<br>both engineering and environmental requirements in order<br>to provide adequate hydraulic capacity of all drains.  | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS  | Implemented              |
| S5.8.6   | Construction works should be programmed to minimize soil<br>excavation works in rainy seasons (April to September). If<br>soil excavation cannot be avoided in these months or at any<br>time of year when rainstorms are likely, for the purpose of<br>preventing soil erosion, temporary exposed slope surfaces<br>should be covered e.g. by tarpaulin, and temporary access   | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction phase      | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS  | Implemented              |

| EIA Ref. | Recommended Mitigation Measures   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements   | Implementation<br>Status |
|----------|---|---|-------------------------|-----------------------------|-------------------------|--|--------------------------|
|          | roads should be protected by crushed stone or gravel, as<br>excavation proceeds. Intercepting channels should be<br>provided (e.g. along the crest / edge of excavation) to<br>prevent storm runoff from washing across exposed soil<br>surfaces. Arrangements should always be in place in such a<br>way that adequate surface protection measures can be safely<br>carried out well before the arrival of a rainstorm.  |   |                         |                             |                         |  |                          |
| S5.8.7   | Earthworks final surfaces should be well compacted, and<br>the subsequent permanent work or surface protection should<br>be carried out immediately after the final surfaces are<br>formed to prevent erosion caused by rainstorms.<br>Appropriate drainage like intercepting channels should be<br>provided where necessary.   | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | To be<br>implemented     |
| S5.8.8   | Measures should be taken to minimize the ingress of<br>rainwater into trenches. If excavation of trenches in wet<br>seasons is necessary, they should be dug and backfilled in<br>short sections. Rainwater pumped out from trenches or<br>foundation excavations should be discharged into storm<br>drains via silt removal facilities.  | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | Implemented              |
| S5.8.9   | If bentonite slurries are required for any construction works,<br>they should be reconditioned and reused wherever<br>practicable to minimise the disposal volume of used<br>bentonite slurries. Temporary enclosed storage locations<br>should be provided on-site for any unused bentonite that<br>needs to be transported away after the related construction<br>activities are completed. Requirements as stipulated in<br>ProPECC Note PN 1/94 should be closely followed when<br>handling and disposing bentonite slurries. | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94             | N/A                      |
| S5.8.10  | Open stockpiles of construction materials (e.g. aggregates,   | To minimise   | Contractor              | All works area              | Construction            | WPCO,  | Implemented              |

| EIA Ref. | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements   | Implementation<br>Status |
|----------|--|---|-------------------------|-----------------------------|-------------------------|--|--------------------------|
|          | sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms.   | impact from<br>construction site<br>run-off                                     |                         |                             | phase                   | EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS          |                          |
| S5.8.11  | Manholes (including newly constructed ones) should<br>always be adequately covered and temporarily sealed so as<br>to prevent silt, construction materials or debris from getting<br>into the drainage system, and to prevent storm run-off from<br>getting into foul sewers. Discharge of surface run-off into<br>foul sewers must always be prevented in order not to unduly<br>overload the foul sewerage system.   | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | Implemented              |
| \$5.8.12 | Good site practices should be adopted to remove rubbish<br>and litter from construction sites so as to prevent the<br>rubbish and litter from spreading from the site area. It is<br>recommended to clean the construction sites on a regular<br>basis.  | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | Implemented              |
| \$5.8.12 | <ul> <li>The following mitigation measures related to the transportation of the sediment should be implemented to minimize the potential water quality impact:</li> <li>Loading of the excavated sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.</li> <li>The barge transporting the sediments to the designated disposal sites shall be equipped with tight fitting seals to prevent leakage and shall not be filled to a level that would cause overflow of materials or laden water during loading or transportation.</li> <li>Monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as</li> </ul> | To minimise<br>impact from<br>transportation of<br>sediment                     | Contractor              | Barging point<br>and barges | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94             | N/A                      |

| EIA Ref. | Recommended Mitigation Measures   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements   | Implementation<br>Status |
|----------|---|---|-------------------------|-----------------------------|-------------------------|--|--------------------------|
|          | specified by the Director of Environmental Protection (DEP).  |   |                         |                             |                         |  |                          |
| \$5.8.13 | There is a need to apply to EPD for a discharge licence for<br>discharge of effluent from the construction site under the<br>WPCO. The discharge quality must meet the requirements<br>specified in the discharge licence. All the runoff and<br>wastewater generated from the works areas should be<br>treated so that it satisfies all the standards listed in the TM-<br>DSS. The beneficial uses of the treated effluent for other<br>on- site activities such as dust suppression, wheel washing<br>and general cleaning etc., can minimise water consumption<br>and reduce the effluent discharge volume. If monitoring of<br>the treated effluent quality from the works areas is required<br>during the construction phase of the Project, the monitoring<br>should be carried out in accordance with the relevant<br>WPCO licence. | To minimize<br>impact from<br>effluent discharge                                | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | Approved                 |
| S5.8.14  | Water for Bored Piling Works<br>Water used in ground boring and drilling for site<br>investigation or rock / soil anchoring should be re-circulated<br>as far as practicable after sedimentation. When there is a<br>need for final disposal, the wastewater should be discharged<br>into storm drains via silt removal facilities.   | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | Implemented              |
| S5.8.15  | Wheel Washing Water<br>Wash-water from wheel washing facility should have been<br>treated by silt removal facilities before discharging into<br>storm drains. Treated wash-water could be used as dust<br>suppression measures as far as practicable. The section of<br>access road between the wheel washing bay and the public<br>road should be paved to reduce vehicle tracking of soil and<br>to prevent silty water from entering public road and drains.   | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO,<br>EIAO- TM,<br>ProPECC PN<br>1/94, TM-<br>DSS | Implemented              |

| EIA Ref.   | <b>Recommended Mitigation Measures</b>  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements   | Implementation<br>Status |
|--|---|---|-------------------------|-----------------------------|-------------------------|--|--------------------------|
| S5.8.16 <u>C</u><br>F<br>W<br>S<br>N<br>a<br>a<br>li | <ul> <li>Construction Works near Channelized Watercourse / Ditch</li> <li>For minimization of potential water quality impacts from the works to nearby inland channelized watercourse/ditch near SHWSTW, the practices outlined in ProPECC Note PN 1/94</li> <li>"Construction Site Drainage" and ETWB TC (Works) No.5/2005 "Protection of natural streams / rivers from adverse impacts arising from construction works" should be adopted where applicable. Relevant mitigation measures are listed below:</li> <li>The use of less or smaller construction plants may be specified in works area close to the inland water bodies.</li> <li>Temporary storage of material (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from watercourse/ditch when carrying out of the construction debris and spoil should be covered and located away from any watercourse/ditch.</li> <li>Construction debris and spoil should be covered up and / or disposed of as soon as possible to avoid being washed into the nearby water receivers.</li> <li>Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the watercourse/ditch, where practicable. Construction effluent, site run-off and sewage should be properly collected and / or treated.</li> </ul> | To minimise<br>impact from<br>construction site<br>run-off                      | Contractor              | All works area              | Construction<br>phase   | WPCO, EIAO-<br>TM, ProPECC<br>PN 1/94, TM-<br>DSS, ETWB<br>TC(Works)<br>No. 5/2005 | Implemented              |
| S5.8.17 – <u>A</u><br>S5.8.19                        | <ul><li>Accidental Spillage of Chemicals</li><li>The Contractor should register as a chemical waste</li></ul>   | To minimise<br>impact from  | Contractor              | All works area              | Construction phase      | WPCO, EIAO-<br>TM, Waste   | Implemented              |

| EIA Ref.  | Recommended Mitigation Measures   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements   | Implementation<br>Status |
|-----------|---|---|-------------------------|-----------------------------|-------------------------|--|--------------------------|
|           | <ul> <li>the construction activities. The Waste Disposal<br/>Ordinance (Cap 354) and its subsidiary regulations in<br/>particular the Waste Disposal (Chemical Waste)<br/>(General) Regulation, should be observed and<br/>complied.</li> <li>Any service shop and maintenance facilities should be<br/>located on hard standings within a bunded area, and<br/>sumps and oil interceptors should be provided.<br/>Maintenance of vehicles and equipment involving<br/>activities with potential for leakage and spillage should<br/>only be undertaken within the areas appropriately<br/>equipped to control these discharges.</li> </ul> |   |                         |                             |                         | Ordinance<br>(WDO),<br>Waste<br>Disposal<br>(Chemical<br>Waste)<br>(General)<br>Regulation |                          |
|           | <ul> <li>Disposal of chemical wastes should be carried out in<br/>compliance with the Waste Disposal Ordinance. The<br/>Code of Practice on the Packaging, Labelling and<br/>Storage of Chemical Wastes published under the<br/>Waste</li> <li>Disposal Ordinance details the requirements to deal<br/>with chemical wastes. General requirements are given<br/>as follows:</li> </ul>  |   |                         |                             |                         |  |                          |
|           | <ul> <li>Suitable containers should be used to hold the<br/>chemical wastes to avoid leakage or spillage during<br/>storage, handling and transport.</li> </ul>   |   |                         |                             |                         |  |                          |
|           | • Chemical waste containers should be suitably labelled, 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.  |   |                         |                             |                         |  |                          |
| S5.8.22 - | Groundwater from Contaminated Areas, Contaminated Site  | To minimise   | Contractor              | All works area              | Construction            | WPCO, EIAO-  | N/A                      |
| S5.8.24   | Runoff and Wastewater from Land Decontamination   | impact from   |                         | confirmed with              | phase                   | TM, TM-DSS,  | ł                        |
|           | • Remediation of contaminated land should be properly   | groundwater from  |                         | land                        |                         | Guidance   | l                        |

| EIA Ref. Recomme   | nded Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address                       | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements                                    | Implementation<br>Status |
|--|---|---|-------------------------|-----------------------------|-------------------------|---|--------------------------|
| <ul> <li>conducted follow<br/>Contamination A<br/>Any excavated<br/>contaminated sun<br/>covered to avoid<br/>Open stockpiling<br/>be allowed. Any<br/>generated from<br/>should be pro-<br/>wastewater treat<br/>The WTF shall<br/>(e.g. oil intercep<br/>pollution level to<br/>any prohibited<br/>hydrocarbon) to<br/>effluent from th<br/>meet the requirer<br/>be either dischar<br/>away for proper of</li> <li>No direct dischar<br/>areas should be a<br/>within the potent<br/>groundwater qua<br/>based on the pas<br/>any additional g<br/>be performed w<br/>Contaminated La<br/>the review resul<br/>examination. If<br/>groundwater to<br/>works would to<br/>groundwater should be</li> </ul> | wing the recommendations of Land<br>Assessment to be conducted in future.<br>contaminated material and exposed<br>rface should be properly housed and<br>d generation of contaminated runoff.<br>g of contaminated materials should not<br>y contaminated runoff or wastewater<br>the land decontamination processes<br>operly collected and diverted to<br>ment facilities (WTF) as necessary.<br>deploy suitable treatment processes<br>otor/ activated carbon) to reduce the<br>o an acceptable standard and remove<br>substances (such as total petroleum<br>an undetectable range. All treated<br>e wastewater treatment system shall<br>nents as stated in TM-DSS and should<br>rged into the foul sewers or tankered<br>disposal.<br>rge of groundwater from contaminated<br>ddopted. Prior to any excavation works<br>tially contaminated areas, the baseline<br>lity in these areas should be reviewed<br>st relevant site investigation data and<br>groundwater quality measurements to<br>rith reference to Guidance Note for<br>and Assessment and Remediation and<br>its should be submitted to EPD for<br>the review results indicated that the<br>be generated from the excavation<br>be contaminated, this contaminated<br>ould be either properly treated or<br>bot is the generated from the excavation works<br>contaminated, this contaminated to<br>public the generated from the excavation be<br>contaminated, this contaminated to public to the properly treated or<br>bot is properly treated or bot is contaminated for the review results indicated that the be generated from the excavation be<br>contaminated, this contaminated public to the properly treated or | contaminated<br>areas,<br>contaminated site<br>run-off/<br>wastewater from<br>land<br>decontamination |                         | contamination               |                         | Note for<br>Contaminate<br>d Land<br>Assessment |                          |

| EIA Ref. | <b>Recommended Mitigation Measures</b>   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|----------|--|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
|          | <ul> <li>the requirements of the TM-DSS. If wastewater treatment is to be deployed for treating the contaminated groundwater, the wastewater treatment unit shall deploy suitable treatment processes (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (such as total petroleum hydrocarbon) to an undetectable range. All treated effluent from the wastewater treatment plant shall meet the requirements as stated in the TM-DSS and should be either discharged into the foul sewers or tankered away for proper disposal.</li> <li>If deployment of wastewater treatment is not feasible for handling the contaminated groundwater, groundwater recharging wells should be installed as appropriate for recharging the contaminated groundwater duality will not be affected by the recharge operation as indicated in section 2.3 of TM-DSS. The baseline groundwater quality should be determined prior to the selection of the recharge wells, and submit a working plan to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of ambient groundwater at the recharge well. Groundwater monitoring wells should be installed near the recharge wells and to ensure that no likelihood of increase of groundwater level and transfer of pollutants beyond the site boundary. Prior to recharge, free products should be removed as necessary by installing the petrol interceptor.</li> </ul> |   |                         |                             |                         |              |                          |

| EIA Ref.  | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements  | Implementation<br>Status |
|-----------|--|---|-------------------------|-----------------------------|-------------------------|---|--------------------------|
|           | <ul> <li>The Contractor should apply for a discharge licence<br/>under the WPCO through the Regional Office of EPD<br/>for groundwater recharge operation or discharge of<br/>treated groundwater.</li> </ul>  |   |                         |                             |                         |   |                          |
| Waste Mar | nagement Implication (Construction Phase)  |   |                         |                             |                         |   |                          |
| S7.5.3    | <ul> <li>Recommendations for good site practices during the construction phase include:</li> <li>Nomination of approved personnel, such as a site manager, to be responsible for implementation of good site practices, arrangements for waste collection and effective disposal to an appropriate facility;</li> <li>Training of site personnel in site cleanliness, concepts of waste reduction, reuse and recycling, proper waste management and chemical waste handling procedures;</li> <li>Provision of sufficient waste reception/ disposal points, and regular collection of waste;</li> <li>Adoption of appropriate measures to minimise windblown litter and dust during transportation of wastes in enclosed containers; Provision of regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;</li> <li>Adoption of a recording system for the amount of wastes generated, recycled and disposed (including the disposal sites); and</li> <li>Preparation of Waste Management Plan (WMP), as part of the Environmental Management Plan (EMP)</li> </ul> | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | Waste<br>Disposal<br>Ordinance<br>(WDO)<br>and<br>Public<br>Cleansing<br>and<br>Prevention of<br>Nuisances<br>Regulation<br>(Cap.<br>132BK) | Implemented              |
| S7.5.4    | <ul> <li>Recommendations to achieve waste reduction are as follow:</li> <li>Segregate and store different types of construction</li> </ul>   | To minimize waste generation  | Contractor              | All works areas             | Construction phase      | WDO   | Implemented              |

| EIA Ref. | Recommended Mitigation Measures   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|----------|---|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
|          | related waste in different containers, skips or<br>stockpiles to enhance reuse or recycling of materials<br>and their proper disposal;  |   |                         |                             |                         |              |                          |
|          | • Provide separate labelled bins to segregate recyclable waste such as aluminium cans from other general refuse generated by the work force, and to encourage collection by individual collectors;  |   |                         |                             |                         |              |                          |
|          | • Recycle any unused chemicals or those with remaining functional capacity;   |   |                         |                             |                         |              |                          |
|          | • Maximise the use of reusable steel formwork to reduce the amount of C&D materials;  |   |                         |                             |                         |              |                          |
|          | • Adopt proper storage and site practices to minimise the potential for damage to, or contamination of construction materials;  |   |                         |                             |                         |              |                          |
|          | • Plan the delivery and stock of construction materials carefully to minimise the amount of waste generated; and  |   |                         |                             |                         |              |                          |
|          | • Minimize over ordering and wastage through careful planning during purchasing of construction materials.  |   |                         |                             |                         |              |                          |
| S7.5.6   | To minimise the impact resulting from collection and<br>transportation of C&D materials as far as practicable, C&D<br>waste, such as wood, plastic, steel and other metals should be<br>reused or recycled and, as a last resort, disposed to landfill.<br>A suitable area should be designated within the site for<br>temporary stockpiling of C&D materials and to facilitate the<br>sorting process. | To minimise the<br>disposal of C&D<br>waste                                     | Contractor              | All works areas             | Construction<br>phase   | WDO          | Implemented              |
| \$7.5.6  | Within the stockpile areas, the following measures should be 'taken to control potential environmental impacts or nuisance:   | To avoid and minimize impacts   | Contractor              | All works areas             | Construction phase      | WDO          | Implemented              |

| EIA Ref.            |  | <b>Recommended Mitigation Measures</b>  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|---------------------|--|---|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
|                     | •  | Proper handling and storage of waste such as soil by<br>means of covers and/or water spraying system to<br>minimise the potential environmental impact and to<br>prevent materials from wind-blown or being washed<br>away;   | arising from waste<br>management  |                         |                             |                         |              |                          |
|                     | •  | Covering materials during heavy rainfall;   |   |                         |                             |                         |              |                          |
|                     | •  | Locating stockpiles to minimise potential visual impacts;   |   |                         |                             |                         |              |                          |
|                     | •  | Minimising land intake of stockpile areas as far as possible;   |   |                         |                             |                         |              |                          |
|                     | •  | Adopting GPS or equivalent system for tracking and<br>monitoring of all dump trucks engaged for the Project<br>in recording their travel routings and parking locations<br>to prohibit illegal dumping and landfilling of C&D<br>materials; and   |   |                         |                             |                         |              |                          |
|                     | •  | Keeping record and analysis of data collected by GPS<br>or equivalent system related to travel routings and<br>parking locations of dump trucks engaged on site.  |   |                         |                             |                         |              |                          |
| S7.5.7 to<br>S7.5.9 | Gen<br>con<br>was<br>the<br>sep<br>enc<br>occ<br>The<br>alun<br>be s | heral refuse should be stored in enclosed bins or<br>npaction units separate from C&D materials and chemical<br>ste. A reputable waste collector should be employed by<br>contractor to remove general refuse from the site,<br>arately from C&D materials and chemical wastes. An<br>losed and covered area is preferred to reduce the<br>urrence of 'wind blown' light materials.<br>e recyclable component of general refuse, such as<br>minium cans, paper and cleansed plastic containers shall<br>separated from other waste. Provision and collection of<br>weling bins for different types of recyclable waste shall be | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | WDO          | Implemented              |

| EIA Ref.                | Recommended Mitigation Measures   | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|-------------------------|---|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
|                         | set up by the Contractor. The Contractor shall also be<br>responsible for arranging recycling companies to collect<br>these materials.  |   |                         |                             |                         |              |                          |
|                         | The Contractor shall carry out an education programme for<br>workers in avoiding, reducing, reusing and recycling of<br>materials generation. Posters and leaflets advising on the use<br>of the bins shall also be provided in the sites as reminders.   |   |                         |                             |                         |              |                          |
| \$7.5.10 to<br>\$7.5.12 | If chemical wastes were to be produced at the construction<br>site, the Contractor would be required to register with the<br>EPD as a Chemical Waste Producer, and to follow the<br>guidelines stated in the Code of Practice on the Packaging,<br>Labelling and Storage of Chemical Wastes.  | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | WDO          | Implemented              |
|                         | storage of chemical wastes. Chemical wastes should be<br>collected and delivered to designated outlet by a licensed<br>collector. Chemical wastes (e.g. spent lubricant oil) should<br>be recycled at an appropriate facility as far as possible, while<br>the chemical waste that cannot be recycled should be<br>disposed of at either the CWTC, or another licensed facility,<br>in accordance with the Waste Disposal (Chemical Waste)<br>(General) Regulation. |   |                         |                             |                         |              |                          |
|                         | Any unused chemicals or those with remaining functional capacity should be collected for reuse as far as practicable.   |   |                         |                             |                         |              |                          |
| S7.5.13 to<br>S7.5.14   | The sediment should be excavated, handled, transported and<br>disposed of in a manner that would minimise adverse<br>environmental impacts. For minimization of sediment<br>disposal, beneficial reuse will be considered on site as far as<br>practicable during the construction stage before the disposal  | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | APCO WDO     | N/A                      |

| EIA Ref. | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|----------|--|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
|          | of excavated sediment.<br>Requirements of the Air Pollution Ordinance (Construction<br>Dust) Regulation, where relevant, shall be adhered to during<br>excavation, transportation and disposal of sediments.   |   |                         |                             |                         |              |                          |
| \$7.5.15 | In order to minimise the exposure to contaminated<br>materials, workers shall, when necessary, wear appropriate<br>personal protective equipment (PPE) when handling<br>contaminated sediments. Adequate washing and cleaning<br>facilities shall also be provided on site.  | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | WDO          | N/A                      |
| \$7.5.20 | Stockpiling of contaminated sediments shall be avoided as<br>far as possible. If temporary stockpiling of contaminated<br>sediments is unavoidable, the excavated sediment shall be<br>covered by tarpaulin and the area shall be placed within<br>earth bunds or sand bags to prevent leachate from entering<br>the ground, nearby drains and/or surrounding water bodies.<br>The stockpiles shall be completely paved or covered by<br>linings in order to avoid contamination to underlying soil or<br>groundwater. Separate and clearly defined areas shall be<br>provided for stockpiling of contaminated and<br>uncontaminated materials. Leachate, if any, shall be<br>collected and discharged according to the Water Pollution<br>Control Ordinance (WPCO). | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | WPCO         | N/A                      |
| \$7.5.21 | In order to minimise the potential odour / dust emissions<br>during excavation and transportation of the sediment, the<br>excavated sediments shall be wetted during excavation /<br>material handling and shall be properly covered when<br>placed on trucks or barges. Loading of the excavated<br>sediment to the barge shall be controlled to avoid splashing<br>and overflowing of the sediment slurry to the surrounding   | To avoid and<br>minimize impacts<br>arising from waste<br>management            | Contractor              | All works areas             | Construction<br>phase   | WDO APCO     | N/A                      |

| EIA Ref.  | <b>Recommended Mitigation Measures</b>  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures                   | Implementation<br>Stage  | Requirements   | Implementation<br>Status |
|-----------|---|---|-------------------------|---|--|--|--------------------------|
|           | water.  |   |                         |   |  |  |                          |
| Land Cont | amination   |   |                         |   |  |  |                          |
| S8.9.3    | <ul> <li>To minimise environmental impacts arising from the handling of potentially contaminated materials, the following environmental precautionary measures are recommended to be utilised during the course of any required site remediation:</li> <li>Excavation profiles must be properly designed and executed with attention to the relevant requirements for environment, health and safety;</li> <li>Establish and maintain a Health and Safety Plan with the information below before commencement of the SI: (a) Instruction of works on work procedures, safe practices, emergency duties, and applicable regulations; (b) Regularly scheduled meetings of the workers in which the possible hazards, problems of the job, and related safe practices are emphasized and discussed; (c) Good housekeeping practices; and (d) Availability of and instruction in the location, use and maintenance of personal protective equipment.</li> <li>Excavation shall be carried out during dry season as far as possible to minimise contaminated runoff from contaminated soils;</li> <li>Supply of suitable clean backfill material (or treated soil) after excavation;</li> <li>Stockpiling site(s) shall be lined with impermeable sheeting and bunded. Stockpiles shall be fully covered by impermeable sheeting to reduce dust emission. If this is not practicable due to frequent usage, regular</li> </ul> | To control land<br>remediation work   | Contractor              | Area identified<br>with land<br>contamination | Prior to the<br>commencement<br>of construction<br>works at the<br>contaminated<br>areas | "Guidance<br>Note for<br>Contaminated<br>Land<br>Assessment<br>and<br>Remediation"<br>"Guidance<br>Manual for Use<br>of Risk-based<br>Remediation<br>Goals for<br>Contaminated<br>Land<br>Management<br>"Public<br>Cleansing and<br>Prevention of<br>Nuisances<br>Regulation<br>(Cap. 132BK)"<br>APCO, WDO<br>and WPCO | N/A                      |

| EIA Ref.  | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements  | Implementation<br>Status |
|-----------|--|---|-------------------------|-----------------------------|-------------------------|---|--------------------------|
|           | <ul> <li>watering shall be applied. However, watering shall be avoided on stockpiles of contaminated soil to minimise contaminated runoff;</li> <li>Vehicles containing any excavated materials shall be suitably covered to limit potential dust emissions or contaminated wastewater run-off, and truck bodies and tailgates shall be sealed to prevent any discharge during transport or during wet conditions;</li> <li>Speed control for the trucks carrying contaminated materials shall be enforced;</li> <li>Vehicle wheel and body washing facilities at the site's exist points shall be established and used; and</li> <li>Pollution control measures for air emissions (e.g. from biopile blower and handling of cement), noise emissions (e.g. from blower or earthmoving equipment), and water discharges (e.g. runoff control from treatment facility) shall be implemented and complied with relevant regulations and guidelines.</li> </ul> |   |                         |                             |                         |   |                          |
| Landscape | and Visual Impact (Construction Phase)   |   |                         |                             |                         |   |                          |
| S9.8.1    | Trees unavoidably affected by the works should be<br>transplanted as far as possible in accordance with DEVB<br>TC(W) 7/2015 – Tree Preservation or LAO PN 7/2007 -<br>Tree Preservation and Tree Removal Application for<br>Building Development in Private Projects where applicable.  | To transplant<br>affected trees   | Contractor              | All works areas             | Construction phase      | DEVB TC(W)<br>No. 7/2015 or<br>LAO PN<br>7/2007 where<br>applicable | N/A                      |
| S9.8.1    | Control of night-time lighting glare.  | To minimize the<br>Landscape and<br>visual impact on<br>surrounding<br>setting  | Contractor              | All works areas             | Construction<br>phase   | TM-EIAO   | N/A                      |
| S9.8.1    | Erection of decorative screen hoarding which should be compatible with the surrounding setting.  | To minimize the<br>Landscape and<br>visual impact on                            | Contractor              | All works areas             | Construction phase      | TM-EIAO   | N/A                      |

| EIA Ref. | Recommended Mitigation Measures  | Objectives of the<br>Recommended<br>Measures &<br>Main<br>Concern to<br>Address | Implementation<br>Agent | Location of the<br>Measures | Implementation<br>Stage | Requirements | Implementation<br>Status |
|----------|--|---|-------------------------|-----------------------------|-------------------------|--------------|--------------------------|
| <u> </u> |  | surrounding<br>setting  | 2                       |                             |                         |              |                          |
| \$9.8.1  | Management of facilities on work sites by controlling the<br>height and disposition/arrangement of all facilities on the<br>works site to minimize visual impact to adjacent VSRs.           | To minimize<br>visual impact to<br>adjacent VSRs.                               | Contractor              | All works areas             | Construction<br>phase   | -            | N/A                      |
| S9.8.1   | All hard and soft landscape areas disturbed temporarily<br>during construction should be reinstated on like-to-like<br>basis, to the satisfaction of the relevant Government<br>Departments. | To minimize the<br>landscape impact<br>on surrounding<br>setting                | Contractor              | All works areas             | Construction<br>phase   | -            | To be<br>implemented     |

### Appendix L Monitoring Schedule of the Reporting Month

#### Consultancy Agreement No.NEX/1062 Siu Ho Wan Station and Siu Ho Wan Depot Replanning Works - Advance Constuction Works Tentative Dust and Noise Monitoring Schedule in March 2022

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

## Appendix M Monitoring Schedule of the Coming Month

#### Consultancy Agreement No.NEX/1062 Siu Ho Wan Station and Siu Ho Wan Depot Replanning Works - Advance Constuction Works Tentative Dust and Noise Monitoring Schedule in April 2022

| Sunday | Monday               | Tuesday              | Wednesday            | Thursday             | Friday | Saturday             |
|--------|----------------------|----------------------|----------------------|----------------------|--------|----------------------|
|        |                      |                      |                      |                      | 1-Apr  | 2-Apr                |
|        |                      |                      |                      |                      |        |                      |
|        |                      |                      |                      |                      |        |                      |
|        |                      |                      |                      |                      |        |                      |
| 3-Apr  | 4-Apr                | 5-Apr                | 6-Apr                | 7-Apr                | 8-Apr  | 9-Apr                |
|        |                      |                      |                      |                      |        |                      |
|        |                      |                      | 1-hr Dust Monitoring |                      |        |                      |
|        |                      |                      |                      |                      |        |                      |
| 10-Apr | 11-Apr               | 12-Apr               | 13-Apr               | 14-Apr               | 15-Apr | 16-Apr               |
|        |                      |                      |                      |                      |        |                      |
|        | 1-hr Dust Monitoring |                      |                      | 1-hr Dust Monitoring |        |                      |
|        |                      |                      |                      |                      |        |                      |
| 17-Apr | 18-Apr               | 19-Apr               | 20-Apr               | 21-Apr               | 22-Apr | 23-Apr               |
|        |                      |                      |                      |                      |        |                      |
|        |                      |                      | 1-hr Dust Monitoring |                      |        |                      |
|        |                      |                      |                      |                      |        |                      |
| 24-Apr | 25-Apr               | 26-Apr               | 27-Apr               | 28-Apr               | 29-Apr | 30-Apr               |
|        |                      | 1 br Duct Monitoring |                      |                      |        | 1 br Duct Monitoring |
|        |                      | r-m Dust womtoring   |                      |                      |        | r-ni Dust Monitoring |
|        |                      |                      |                      |                      |        |                      |

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)