

MTR Corporation Limited

**Shatin to Central Link –
Hung Hom to Admiralty Section**

**Contract 1123 – CEDD Entrusted Work
for Slip Road 3**

Final Environmental Monitoring Audit
Review Report
for FEP-13/364/2009/H

(February 2024)

Verified by: 
_____ Claudine Lee

Position: Independent Environmental Checker

Date: _____ 7 February 2024

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Certified by: _____ FUNG Yiu Wah 

Position: _____ Environmental Team Leader

Date: _____ 8 February 2024

Leighton – China State J.V.

**Shatin to Central Link -
Hung Hom to Admiralty Section**

**Works Contract 1123 -
CEDD Entrusted Work for Slip Road 3**

**Final EM&A Review Report
for
FEP-13/364/2009/H**

[February 2024]

	Name	Signature
Prepared & Checked:	Kelvin Wu	
Reviewed, Approved & Certified:	Y W Fung (Contractor's Environmental Team Leader)	

Version: 1

Date: 5 February 2024

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AECOM Asia Co. Ltd.

12/F, Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, NT, Hong Kong

Tel: (852) 3922 9000

Fax: (852) 2317 7609

www.aecom.com

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EXECUTIVE SUMMARY

Shatin to Central Link Contract 1123 – CEDD Entrusted Work for Slip Road 3 (hereafter called “the Project”) covers part of the construction of CEDD entrusted work under the granted Further Environmental Permit: FEP–13/364/2009.

The Project comprises the construction Slip Road 3.

The EM&A programme commenced on 25 January 2021. The impact EM&A for the Project includes air quality and noise monitoring.

All construction works with environmental impact concerned have been completed and with respect to the joint inspection conducted with IEC on 11 October 2023. The Contractor, ET and IEC share the view that there is no adverse environmental impact of remaining works under FEP-13/364/2009/H. Hence, the construction phase EM&A programme of the Project was terminated as agreed.

This report documents the findings of EM&A works conducted in the period 1 January 2021 to 31 October 2023. As informed by the Contractor, major activities in the reporting period were:

Location	Site Activities
Slip Road 3	<ul style="list-style-type: none">• Drainage works• Road works• Underground Utilities works• Retain wall construction• TM 3 implement works• Road re-pavement• Planter wall• Backfilling• Concrete paving• Road kerb and railing• Install road lighting and signages• Construct concrete pavement works

Breaches of Action and Limit Levels for Air Quality

No exceedance of Action and Limit Level of air quality was recorded in the reporting period.

Breaches of Action and Limit Levels for Noise

Regular Noise Monitoring

No Action Level exceedance was recorded since no noise related complaint was received in the reporting period.

No exceedance of Limit Level of noise was recorded in the reporting period.

Complaint, Notification of Summons and Successful Prosecution

No complaint, notification of summons and successful prosecution were received in the reporting period.

Summary of the Overall EM&A Programme

The EM&A programme were found to be effective in monitoring impacts arising from the Project. The findings of the environmental monitoring program suggest that no adverse impacts on sensitive receivers at the designated monitoring locations were brought about by the Project.

In conclusion the Project was environmentally acceptable in terms of air quality and noise impact.

1 INTRODUCTION

Leighton – China State Joint Venture (JV) was commissioned by MTR as the Civil Contractor for CEDD Entrusted Works under Contract 1123. AECOM Asia Company Limited (AECOM) was appointed by JV as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme during construction phase of the Project.

1.1 Purpose of the Report

1.1.1 This is the Final EM&A Report which summaries the impact monitoring results and audit findings for the Project during the reporting period between 1 January 2021 to 31 October 2023.

1.2 Report Structure

1.2.1 This Final EM&A Report is organized as follows:

- Section 1: Introduction
- Section 2: Project Information
- Section 3: Environmental Monitoring Requirement
- Section 4: Implementation Status of Environmental Mitigation Measures
- Section 5: Monitoring Results
- Section 6: Environmental Site Inspection and Audit
- Section 7: Environmental Non-conformance
- Section 8: Review of the Validity of EIA Prediction
- Section 9: Comments
- Section 10: Conclusions and Recommendations

2 PROJECT INFORMATION

2.1 Background

- 2.1.1 Slip road 3 identified as part of DP1 which covered in the Environmental Permit No. EP-364/2009/H in the approved Wan Chai Development Phase II (WDII) and Central – Wan Chai Bypass (CWB) comprising (i) slip roads to connect the CWB to the local road system in the Wan Chai North and Causeway Bay area; and (ii) associated road lighting, road signing, traffic control and surveillance system (iii) other associated works.
- 2.1.2 The Environmental Impact Assessment Report (EIA) for Central - Wan Chai Bypass and Island Eastern Corridor Link (CWB&IECL) EIA Report (Register No. AEIAR-041/2001) and the Wan Chai Development Phase II and Central-Wan Chai Bypass (WDII&CWB) EIA Report (Register No. AEIAR-125/2008) which were approved on 31 August 2001 and 11 December 2008 under the Environmental Impact Assessment Ordinance (EIAO). Following the approval of the EIA Report, an Environmental Permit (EP) was granted on 22 April 2020, which covers the Slip Roads **[DP1]** (EP No.: EP-364/2009/H), for the construction and operation. Further Environmental Permits (FEP No. FEP-13/364/2009/H) was subsequently granted from the Director of Environmental Protection (DEP) on 2 June 2020, which cover the construction works for DP1.
- 2.1.3 The site layout plan of the Project is shown in **Figure 1.1**.

2.2 Site Description

- 2.2.1 The major construction activities under CEDD Entrusted Works of Contract 1123 (FEP No. FEP-13/364/2009/H) include:
- a) Site preparation;
 - b) Construct for slip roads to connect the CWB to the local road system in the Wan Chai North and Causeway Bay area;
 - c) Construct for associated road lighting, road signing, traffic control and surveillance system; and
 - d) Construct for other associated works.

2.3 Construction Programme and Activities

2.3.1 All construction works with environmental impact concerned have been completed and with respect to the joint inspection conducted with IEC on 11 October 2023. The Contractor, ET and IEC share the view that there is no adverse environmental impact of remaining works under FEP-13/364/2009/H. Hence, the construction phase EM&A programme of the Project was terminated as agreed.

2.3.2 The major construction activities undertaken in the construction phase are summarised below:

Location	Site Activities
Slip Road 3	<ul style="list-style-type: none">• Drainage works• Road works• Underground Utilities works• Retain wall construction• TM 3 implement works• Road re-pavement• Planter wall• Backfilling• Concrete paving• Road kerb and railing• Install road lighting and signages• Construct concrete pavement works

2.3.3 The construction programme can be referred to the respective monthly EM&A reports.

2.4 Project Organisation

2.4.1 The project organization structure is shown in **Appendix A**. The key personnel contact names and numbers for the Project are summarised in **Table 2.1**.

Table 2.1 Contact Information of Key Personnel

Party	Role	Position	Name	Telephone	Fax
MTR	Residential Engineer (ER)	Atg Chief Construction Manager – SCL Civil	Mr. Raymond Koo	2171 3801	3959 2200
		SCL Project Environmental Team Leader	Mr. Alex Siu	3127 6292	3127 6422
Meinhardt	Independent Environmental Checker	Independent Environmental Checker	Ms. Claudine Lee	2859 5409	2540 1580
JV	Contractor	Project Director	Mr. Mark Challis	3973 1997	31051126
		Environmental Engineer	Ms. Yolanda Gao	3973 1498	
AECOM	Contractor's Environmental Team (ET)	ET Leader	Mr. Y W Fung	3922 9366	2317 7609

3 ENVIRONMENTAL MONITORING REQUIREMENT

3.1 Construction Dust Monitoring

Monitoring Requirements

- 3.1.1 In accordance with the approved EM&A Manuals, 24-hour and 1-hour Total Suspended Particulates (TSP) levels at the designated air quality monitoring station is required. Impact 24-hour monitoring should be carried out for at least once every 6 days and 1-hour TSP monitoring should be done at least 3 times every 6 days while the highest dust impact is expected. The Action and Limit level of the air quality monitoring is provided in **Appendix B**.

Monitoring Equipment

- 3.1.2 24-hour TSP air quality monitoring was performed using High Volume Sampler (HVS) located at the designated monitoring stations. The HVS meets all the requirements of the EM&A Manual.
- 3.1.3 A portable direct reading dust meter was used to carry out the 1-hour TSP monitoring.
- 3.1.4 Brand and model of the equipment is given in **Table 3.1**.

Table 3.1 Air Quality Monitoring Equipment

Equipment	Brand and Model
High Volume Sampler (24-hour TSP)	Andersen Total Suspended Particulate Mass Flow Controlled High Volume Air Sampler Model No. GS 2310
Calibration Kit (24-hour TSP)	TISCH Environmental Orifice Model TE-5025A
Portable direct reading dust meter (1-hour TSP)	Sibata Digital Dust Monitor Model LD-3, LD-3B

Monitoring Locations

- 3.1.5 The monitoring station for construction dust monitoring pertinent to the Project has been identified based on the approved EM&A Manual for SCL (HUH-ADM) of the Project. The location of the construction dust monitoring stations are summarised in **Table 3.2** and shown in **Figure 3.1**.

Table 3.2 Locations of Construction Dust Monitoring Station

Station ID	Dust Monitoring Station
CMA5b ¹	Pedestrian Plaza
CMA6a ¹	WDII PRE Site Office

Remark:

1. According to the updated site layout of CEDD Entrusted Works and Updated EM&A Manual for EP-364/2009, Pedestrian Plaza (CMA5b) and WDII PRE Site Office (CMA6A) were selected as the most affected sensitive receiver during the construction phase.

Monitoring Methodology

- 3.1.6 24-hour TSP Monitoring

- (a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS as far as practicable: -
- (i) A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
 - (ii) Two samplers should not be placed less than 2m apart from each others;
 - (iii) The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.

- (iv) A minimum of 2 meters separation from walls, parapets and penthouse for rooftop sampler.
 - (v) A minimum of 2 meters separation from any supporting structure, measured horizontally is required.
 - (vi) No furnace or incinerator flues nearby.
 - (vii) Airflow around the sampler was unrestricted.
 - (viii) The sampler was located more than 20 meters from any dripline.
 - (ix) Any wire fence and gate, required to protect the sampler, did not obstruct the monitoring process.
 - (x) Permission was obtained to set up the samplers and access to the monitoring station.
 - (xi) A secured supply of electricity was obtained to operate the sampler.
- (b) Preparation of Filter Papers
- (i) Glass fibre filters, G810 were labelled and sufficient filters that were clean and without pinholes were selected.
 - (ii) All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ± 3 °C; the relative humidity (RH) was < 50% and not variable by more than $\pm 5\%$. A convenient working RH was 40%.
 - (iii) All filter papers were prepared and analysed by ALS Technichem (HK) Pty Ltd., which is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.
- (c) Field Monitoring
- (i) The power supply was checked to ensure the HVS works properly.
 - (ii) The filter holder and the area surrounding the filter were cleaned.
 - (iii) The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
 - (iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
 - (v) The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.
 - (vi) Then the shelter lid was closed and was secured with the aluminium strip.
 - (vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
 - (viii) A new flow rate record sheet was set into the flow recorder.
 - (ix) On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.3 m³/min, and complied with the range specified in the EM&A Manual (i.e. 0.6-1.7 m³/min).
 - (x) The programmable digital timer was set for a sampling period of 24 hrs, and the starting time, weather condition and the filter number were recorded.
 - (xi) The initial elapsed time was recorded.
 - (xii) At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.
 - (xiii) The final elapsed time was recorded.
 - (xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
 - (xv) It was then placed in a clean envelope and sealed.
 - (xvi) All monitoring information was recorded on a standard data sheet.
 - (xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.
- (d) Maintenance and Calibration
- (i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
 - (ii) HVSs were calibrated using TE-5025A Calibration Kit upon installation and thereafter at bi-monthly intervals.

- (iii) Calibration certificate of the TE-5025A Calibration Kit and the HVSs can be referred to the respective monthly EM&A reports.

3.1.7 1-hour TSP Monitoring

(a) Measuring Procedures

The measuring procedures of the 1-hour dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

- (i) Turn the power on.
- (ii) Close the air collecting opening cover.
- (iii) Push the "TIME SETTING" switch to [BG]
- (iv) Push "START/STOP" switch to perform background measurement for 6 seconds.
- (v) Turn the knob at SENSI ADJ position to insert the light scattering plate.
- (vi) Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- (vii) Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- (viii) Pull out the knob and return it to MEASURE position.
- (ix) Push the "TIME SETTING" switch the time set in the display to 3 hours.
- (x) Lower down the air collection opening cover.
- (xi) Push "START/STOP" switch to start measurement.

(b) Maintenance and Calibration

- (i) The 1-hour TSP meter was calibrated at 1-year intervals against a continuous particulate TEOM Monitor, Series 1400ab. Calibration certificates of the Laser Dust Monitors can be referred to the respective monthly EM&A reports .

Monitoring Schedule for the Reporting Period

- 3.1.8 EM&A works were carried out in accordance with the requirements stipulated in the approved EM&A Manuals. 24-hour TSP and 1-hour TSP air quality monitoring for the reporting period with respect to the construction programme can be referred to the respective monthly EM&A reports.

3.2 Construction Noise Monitoring

Monitoring Requirements

3.2.1 In accordance with the EM&A Manual, impact noise monitoring should be conducted for at least once a week during the construction phase of the Project. **Table 3.3** summarises the monitoring parameters, frequency and duration of impact noise monitoring. The Action and Limit level of the noise monitoring is provided in **Appendix B**.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

Parameter and Duration	Frequency
30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays. Leq, L ₁₀ and L ₉₀ would be recorded.	At least once per week

Monitoring Equipment

3.2.2 Noise monitoring was performed using sound level meter at each designated monitoring station. The sound level meters deployed comply with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in **Table 3.4**.

Table 3.4 Noise Monitoring Equipment for Regular Noise Monitoring

Equipment	Brand and Model
Integrated Sound Level Meter	Model No. B&K 2238
	Model No. B&K 2250
	Model No. B&K 2270
	Model No. B&K 2250L
Acoustic Calibrator	Model No. B&K 4231
	Model No. Rion NC-74

Monitoring Locations

3.2.3 The monitoring station for construction noise monitoring pertinent to the Project has been identified based on the approved EM&A Manual for SCL (HUH-ADM) of the Project. Location of the noise monitoring station is summarised in **Table 3.5** and shown in **Figure 3.1**.

Table 3.5 Noise Monitoring Station during Construction Phase

Identification No.	District	Alternative Noise Monitoring Location
M1a ¹	Wan Chai	Footbridge for Ex-Harbour Road Sports Centre

Remark:

1. According to the updated site layout of CEDD Entrusted Works and Updated EM&A Manual for EP-364/2009, Footbridge for Ex-Harbour Road Sports Centre (M1a) was selected as the most affected sensitive receiver during the construction phase.

Monitoring Methodology

3.2.4 Monitoring Procedure

- (a) Façade measurements were made at M1a.
- (b) The battery condition was checked to ensure the correct functioning of the meter.
- (c) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:

- (i) frequency weighting: A
 - (ii) time weighting: Fast
 - (iii) time measurement: $L_{eq(30\text{-minutes})}$ during non-restricted hours i.e. 0700 – 1900 on normal weekdays.
- (d) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94 dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
 - (e) During the monitoring period, the L_{eq} , L_{10} and L_{90} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
 - (f) Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.
 - (g) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s.

3.2.5 Maintenance and Calibration

- (a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
- (b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- (c) Calibration certificates of the sound level meters and acoustic calibrators can be referred to the respective monthly EM&A reports.

Monitoring Schedule for the Reporting Month

- 3.2.6 EM&A works were carried out in accordance with the requirements stipulated in the approved EM&A Manuals. Impact noise monitoring for the reporting period with respect to the construction programme can be referred to the respective monthly EM&A reports.

4 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

4.1.1 Throughout the project, the Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Reports, the EP and EM&A Manuals. The implementation status of the environmental mitigation measures during the reporting period is summarized in **Appendix D**. Status of required submissions under the EP during the reporting period is summarised in **Table 4.1**.

Table 4.1 Status of Required Submission under Further Environmental Permit

EP Condition	Submission	Submission Date
Condition 3.3 (FEP-13//364/2009/H)	Monthly EM&A Report for January 2021	9 February 2021
	Monthly EM&A Report for February 2021	10 March 2021
	Monthly EM&A Report for March 2021	13 April 2021
	Monthly EM&A Report for April 2021	12 May 2021
	Monthly EM&A Report for May 2021	10 June 2021
	Monthly EM&A Report for June 2021	13 July 2021
	Monthly EM&A Report for July 2021	11 August 2021
	Monthly EM&A Report for August 2021	10 September 2021
	Monthly EM&A Report for September 2021	11 October 2021
	Monthly EM&A Report for October 2021	9 November 2021
	Monthly EM&A Report for November 2021	13 December 2021
	Monthly EM&A Report for December 2021	10 January 2022
	Monthly EM&A Report for January 2022	14 February 2022
	Monthly EM&A Report for February 2022	10 March 2022
	Monthly EM&A Report for March 2022	11 April 2022
	Monthly EM&A Report for April 2022	12 May 2022
	Monthly EM&A Report for May 2022	10 June 2022
	Monthly EM&A Report for June 2022	12 July 2022
Monthly EM&A Report for July 2022	10 August 2022	

	Monthly EM&A Report for August 2022	13 September 2022
	Monthly EM&A Report for September 2022	13 October 2022
	Monthly EM&A Report for October 2022	10 November 2022
	Monthly EM&A Report for November 2022	13 December 2022
	Monthly EM&A Report for December 2022	12 January 2023
	Monthly EM&A Report for January 2023	10 February 2023
	Monthly EM&A Report for February 2023	13 March 2023
	Monthly EM&A Report for March 2023	11 April 2023
	Monthly EM&A Report for April 2023	11 May 2023
	Monthly EM&A Report for May 2023	12 June 2023
	Monthly EM&A Report for June 2023	13 July 2023
	Monthly EM&A Report for July 2023	11 August 2023
	Monthly EM&A Report for August 2023	12 September 2023
	Monthly EM&A Report for September 2023	13 October 2023
	Monthly EM&A Report for October 2023	14 November 2023
	Monthly EM&A Report for November 2023	13 December 2023

5 MONITORING RESULTS

5.1 Construction Dust Monitoring

5.1.1 The monitoring results for 24-hour TSP and 1-hour TSP are summarised in **Table 5.1** and **Table 5.2** respectively. The graphical plots are presented in **Appendix E**. The meteorological data extracted from the nearest Automatic Weather Station can be referred to the respective monthly EM&A reports.

Table 5.1 Summary of 24-hour TSP Monitoring Result in the Reporting Period

ID	Average ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
CMA5b	42.9	10.7 – 154.4	209.9	260
CMA6a	29.2	5.8 – 123.9	207.1	260

Table 5.2 Summary of 1-hour TSP Monitoring Result in the Reporting Period

ID	Average ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
CMA5b	64.7	51.7 – 75.8	339.7	500
CMA6a	62.1	50.0 – 75.0	333	500

5.1.2 No Action and Limit Level exceedance were recorded for 1-hour TSP monitoring at the monitoring locations in the reporting period.

5.1.3 No Action and Limit Level exceedance were recorded for 24-hour TSP monitoring at the monitoring locations in the reporting period.

5.1.4 The event and action plan is annexed in **Appendix C**.

5.1.5 Major dust sources during the monitoring included construction dust, nearby traffic emission and other nearby construction sites.

5.2 Regular Construction Noise Monitoring

5.2.1 The monitoring results for noise are summarized in **Table 5.3** and the monitoring data is provided in **Appendix F**.

Table 5.3 Summary of Construction Noise Monitoring Results in the Reporting Period

ID	Range, dB(A), L_{eq} (30 mins)	Limit Level, dB(A), L_{eq} (30 mins)
M1a(*)	<Baseline	75

(*) Baseline correction will be made to the measured L_{eq} when the measured noise level exceeded the corresponding baseline noise level and presented in the table.

5.2.2 No Action Level exceedance was recorded since no noise related complaint was received in the reporting period.

5.2.3 No Limit Level exceedance of noise was recorded at the monitoring station in the reporting period.

5.2.4 The event and action plan is annexed in **Appendix C**.

5.2.5 Major noise sources during the monitoring included construction noise from the Project site, nearby traffic noise and the community.

5.3 Waste Management

- 5.3.1 C&D materials and wastes sorting were carried out on site. Receptacles were available for C&D wastes and general refuse collection.
- 5.3.2 As advised by the Contractor, the actual amount of different types of waste disposed of or reused in the reporting period was delivered by the project under FEP-03/376/2009, hence no waste flow table was made under FEP-13/364/2009/H.

5.4 Landscape and Visual

- 5.4.1 According to the work scope entrusted to SCL1123, there were no landscape works associated with the Slip Road 3 area under FEP-13/364/2009/H, thus no monitoring was required throughout the whole EM&A program. However, the checking without compromising the intention of the implementation and maintenance of landscape mitigation measures was undertaken during the construction period, and the results of the site inspection can be referred to respective monthly EM&A reports, if applicable.

6 ENVIRONMENTAL SITE INSPECTION AND AUDIT

- 6.1.1 Site inspections were carried out on a weekly basis while joint site inspections were carried out on a monthly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project and ensure that all mitigation measures were implemented timely and properly. Summary of the site inspections in the reporting period can be referred to the respective monthly EM&A reports.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 Summary of Monitoring Exceedances

- 7.1.1 All 24-hour TSP result was below the Action and Limit level at all monitoring locations in the reporting period.
- 7.1.2 All 1-hour TSP result was below the Action and Limit level at all monitoring locations in the reporting period.
- 7.1.3 No Action Level exceedance was recorded since no noise related complaint was received in the reporting period.
- 7.1.4 No Limit Level exceedance for noise was recorded at all monitoring stations in the reporting period.

7.2 Summary of Environmental Non-Compliance

- 7.2.1 No environmental non-compliance was recorded in the reporting period.

7.3 Summary of Environmental Complaints

- 7.3.1 No environmental related complaint was received in the reporting period.

7.4 Summary of Environmental Summon and Successful Prosecutions

- 7.4.1 No environmental related prosecution or notification of summons was received in the reporting period. Cumulative statistics on notification of summons and successful prosecutions is provided in **Appendix G**.

8 REVIEW OF THE VALIDITY OF EIA PREDICTION AND IDENTIFICATION OF SHORTCOMINGS IN EIA RECOMMENDATIONS

- 8.1.1 All the air quality and noise monitoring results in the reporting period were below the Action and Limit Levels. The result was in line with EIA prediction that with the implementation of mitigation measures and no shortcomings in EIA recommendations were identified.
- 8.1.2 During the reporting period, environmental mitigation measures and good site practices were implemented timely and properly. Environmental site inspections were carried out to monitor and audit the environmental performance and rectified where necessary.
- 8.1.3 The mitigation measures in EIA prediction and the approved EM&A manuals have been effectively implemented during the construction period.
- 8.1.4 The environmental monitoring methodology was considered well established as the monitoring results were found in line with EIA predictions.
- 8.1.5 With reviewing site inspection record related to landscape and visual, the Contractor implemented the landscape and visual mitigation measures correctly. The result was in line with EIA prediction that with the implementation of mitigation measures and no shortcomings in EIA recommendations were identified.
- 8.1.6 With reviewing waste flow record, the Contractor implemented the waste management mitigation measures correctly. The result was in line with EIA prediction that with the implementation of mitigation measures and no shortcomings in EIA recommendations were identified.

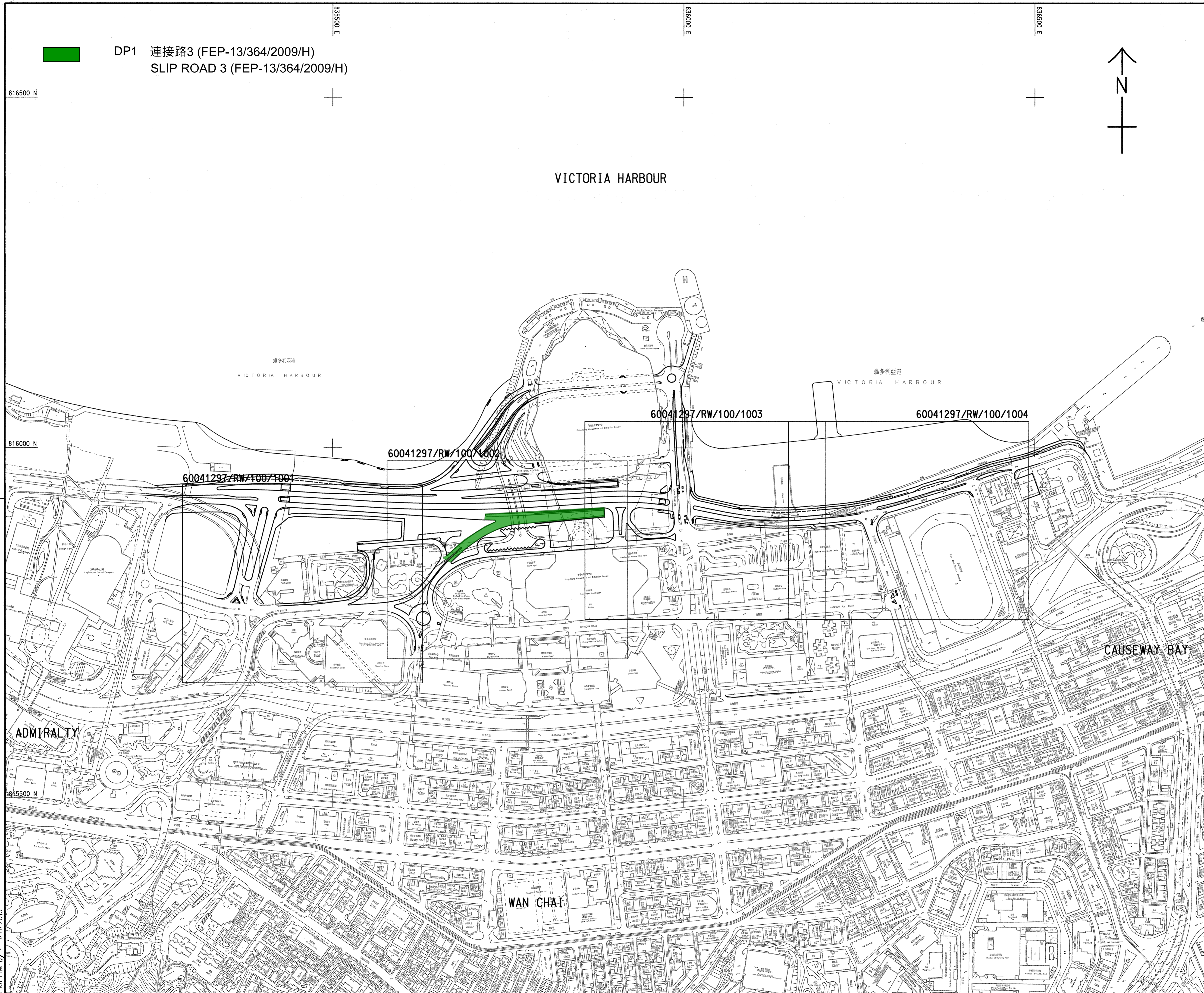
9 COMMENTS

- 9.1.1 The air quality and noise monitoring were properly conducted in accordance with the approved EM&A Manuals. The monitoring events were sufficient to justify the respective environmental impacts on the nearby sensitive receivers.
- 9.1.2 No exceedances of air quality and noise monitoring were recorded. The environmental monitoring results indicated that the construction activities with the implementation of mitigation measures in general complied with the relevant environmental requirements.
- 9.1.3 The mitigation measures in EIA prediction and the approved EM&A Manuals have been effectively implemented during the construction period.
- 9.1.4 The environmental monitoring methodology was considered well established as the monitoring results were found in line with EIA predictions.
- 9.1.5 It is concluded that the overall environmental performance of the project is satisfactory. The overall EM&A programme was conducted satisfactorily. All aspects of the EM&A programme were reviewed and audited independently and objectively. The requirements in the EM&A Manuals are fully complied with.

10 CONCLUSIONS AND RECOMMENDATIONS

- 10.1.1 24-hour TSP, 1-hour TSP and noise monitoring were carried out in the reporting period.
- 10.1.2 No Action and Limit Level exceedance was recorded for 24-hour TSP monitoring at the monitoring locations in the reporting period.
- 10.1.3 No Action and Limit Level exceedance was recorded for 1-hour TSP monitoring at the monitoring locations in the reporting period.
- 10.1.4 No Action Level exceedance was recorded since no noise related complaint was received in the reporting period.
- 10.1.5 No Limit Level exceedance for noise was recorded at all monitoring stations in the reporting period.
- 10.1.6 No environmental complaint was received in the reporting period.
- 10.1.7 No notification of summons and successful prosecution were received in the reporting period.
- 10.1.8 All construction works with environmental impact concern have been completed and with respect to the joint inspection conducted with IEC on 11 October 2023. Hence, the construction phase EM&A programme of the Project was terminated as agreed.
- 10.1.9 The overall EM&A programme was conducted satisfactorily. All aspects of the EM&A programme were reviewed and audited independently and objectively. The requirements in the EM&A Manuals are fully complied with.
- 10.1.10 With the success of the overall EM&A programme, the deterioration of the environment caused by the Project was cost-effectively identified and necessary prompt effective mitigation measures were implemented to avoid any unacceptable impacts.

FIGURES



DP1 连接路3 (FEP-13/364/2009/H)
SLIP ROAD 3 (FEP-13/364/2009/H)



816500 N

816000 N

815500 N

Plot File by : 1/11/2013

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REV. NO.	DESCRIPTION	DATE	BY	CHK

CEDD 土木工程拓展署
Civil Engineering and
Development Department

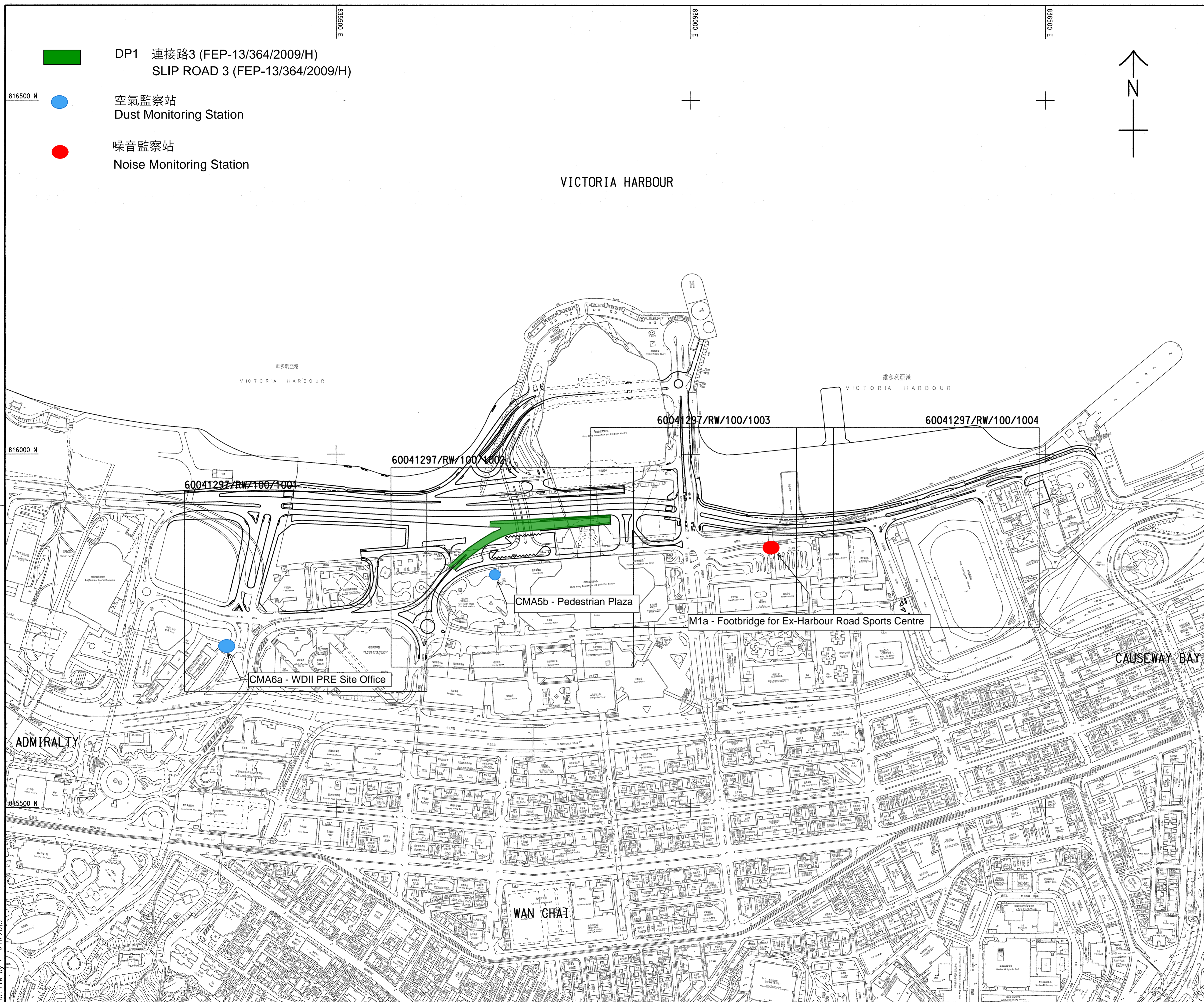
CEDD ENTRUSTED WORKS

Site Layout Plan of CEED
Entrusted Works under
Contract 1123

AECOM

DRG. NO. Figure 1.1
圖紙編號

DESIGNED BY 設計	CONTRACT NO. 合約編號	P. DIR. APPROVED 批准人
ST		TKH
DRAWN BY 繪圖	STATUS	
TS		
SCALE 比例		
A1 1:2500		
DIMENSIONS ARE IN 尺寸單位		
METRES		
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- DP1 連接路3 (FEP-13/364/2009/H)
SLIP ROAD 3 (FEP-13/364/2009/H)
- 空氣監察站
Dust Monitoring Station
- 噪音監察站
Noise Monitoring Station



TENDER DRAWING	PSL	SLY	OCT	13
REV. NO.	DESCRIPTION	DATE	BY	CHK.

土木工程拓展署
 Civil Engineering and
 Development Department
CEDD ENTRUSTED WORKS

Air Quality and Noise Monitoring
Locations for CEDD Entrusted
Works

AECOM

DRG. NO. Figure 3.1
圖紙編號

DESIGNED BY 設計	CONTRACT NO. 合約編號	P. DIR. APPROVED 批准人
ST		TKH
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TS		
SCALE 比例	DIMENSIONS ARE IN 尺寸單位	
A1 1:2500	METRES	
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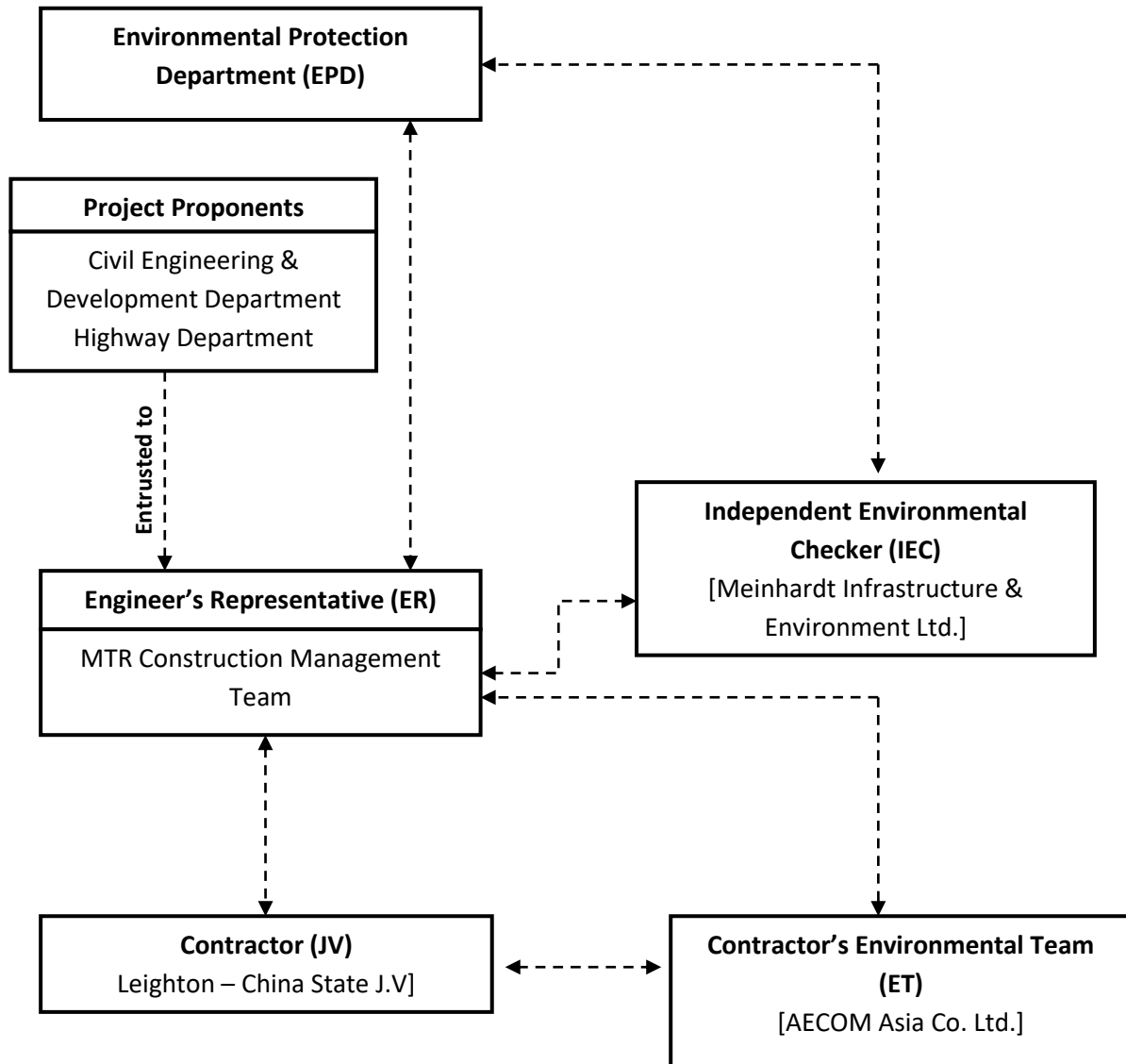
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APPENDIX A

Project Organization Structure

Appendix A Project Organisation Structure



APPENDIX B

Summary of Action and Limit Levels

Appendix B – Summary of Action and Limit Levels**Table 1 Action and Limit Levels for 24-hour TSP**

ID	Location	Action Level	Limit Level
CMA5b	Pedestrian Plaza	209.9 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$
CMA6a	WDII PRE Site Office	207.1 $\mu\text{g}/\text{m}^3$	260 $\mu\text{g}/\text{m}^3$

Table 2 Action and Limit Levels for 1-hour TSP

ID	Location	Action Level	Limit Level
CMA5b	Pedestrian Plaza	339.7 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$
CMA6a	WDII PRE Site Office	333 $\mu\text{g}/\text{m}^3$	500 $\mu\text{g}/\text{m}^3$

**Table 3 Action and Limit Levels for Construction Noise
(0700 – 1900 hrs of normal weekdays)**

ID	Location	Action Level	Limit Level
M1a	Footbridge at EX-Wanchai Harbour Road Sports Centre	When one documented complaint is received	75 dB(A)

APPENDIX C

Event Action Plan

Appendix C Event Action Plan

Event / Action Plan for Construction Dust Monitoring

EVENT	ACTION			
	ET	IEC	ER	Contractor
ACTION LEVEL				
Exceedance for one sample	<ol style="list-style-type: none"> Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency to daily. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"> Check monitoring data submitted by ET; Check Contractor’s working method. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"> Notify Contractor. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"> Rectify any unacceptable practice; Amend working methods if appropriate. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> Identify source; Inform IEC and ER; Advise the ER on the effectiveness of the proposed remedial measures; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC and Contractor on remedial actions required; If exceedance continues, arrange meeting with IEC and ER; If exceedance stops, cease additional monitoring. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"> Check monitoring data submitted by ET; Check Contractor’s working method; Discuss with ET and Contractor on possible remedial measures; Advise the ET on the effectiveness of the proposed remedial measures; Supervise Implementation of remedial measures. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"> Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"> Submit proposals for remedial to ER within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>

Appendix C Event Action Plan

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

Appendix C Event Action Plan

Event and Action Plan for Construction Noise Monitoring

EVENT	ACTION			
	ET	IEC	ER	Contractor
Exceedance of Action Level	1. Notify ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 3. Advise the ER on the effectiveness of the proposed remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Submit noise mitigation proposals to IEC and ER; 2. Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified)

Appendix C Event Action Plan

EVENT	ACTION			
	ET	IEC	ER	Contractor
Exceedance of Limit Level	1. Inform IEC, ER, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor’s working procedures; 6. Discuss with the IEC, Contractor and ER on remedial measures required; 7. Assess effectiveness of Contractor’s remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor’s remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)

APPENDIX D

**Implementation Schedule of Environmental Mitigation
Measures**

Appendix D – Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Who to implement the measures?	Location of the measure	When to implement the measures?	Implementation Status
Construction Dust Impact					
Construction Phase					
S3.6.5	Four times a day watering of the work site with active operations	Contractor	Works areas	Construction phase	V
S3.8.1	Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimise cumulative dust impacts. <ul style="list-style-type: none"> Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition; Watering during excavation and material handling; Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. 	Contractor	Works areas	Construction phase	V V V V
/	Dust suppression measures (con't) <ul style="list-style-type: none"> De-bagging, batching and mixing processes carried out in sheltered areas during the use of bagged cement The portion of any road where along the site boundary should be kept clear of dusty materials. Use of frequent watering for any dusty construction process (e.g. breaking works) to reduce dust emissions. 	Contractor	Works areas	Construction phase	V V V
/	Emission from Vehicles and Plants <ul style="list-style-type: none"> All vehicles shall be shut down in intermittent use. Only well-maintained plant should be operated on-site and plant should be serviced regularly to avoid emission of black smoke. All diesel fuelled construction plant within the works areas shall be powered by ultra low sulphur diesel fuel (ULSD) 	Contractor	Works areas	Construction phase	V V V
Airborne Noise Impact					
Construction Phase					
S4.9.4	Good Site Practice: <ul style="list-style-type: none"> Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program. Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program. Mobile plant, if any, shall be sited as far away from NSRs as possible. Machines and plant (such as trucks) that may be in intermittent use shall be shut down between works periods or shall be throttled down to a minimum. Plant known to emit noise strongly in one direction shall, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from onsite construction activities. 	Contractor	Works areas	Construction phase	V V V V V V

Appendix D – Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Who to implement the measures?	Location of the measure	When to implement the measures?	Implementation Status
S5.8	Sewage from Construction Work Force: Construction work force sewage discharges on site shall be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage shall be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices.	Contractor	Works areas	Construction phase	V
S5.8	Floating Debris and Refuse: Collection and removal of floating refuse shall be performed at regular intervals on a daily basis. The contractor shall be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.	Contractor	Works areas and adjacent water	Construction phase	V
S5.8	Storm Water Discharges: Minimum distances of 100 m shall be maintained between the existing or planned stormwater discharges and the existing or planned WSD flushing water intakes.	Contractor	Works areas and adjacent water	Construction phase	V
Waste Management Implications					
Construction Phase					
S6.7.7	Good Site Practices: Recommendations for good site practices during the construction activities include: <ul style="list-style-type: none"> • Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; • Training of site personnel in proper waste management and chemical waste handling procedures; • Provision of sufficient waste disposal points and regular collection for disposal; • Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and • A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites). 	Contractor	Works areas	During planning and design stage, and construction stage	V V V V V V
S6.7.8	Waste Reduction Measures: Recommendations to achieve waste reduction include: <ul style="list-style-type: none"> • Sort C&D waste from demolition of the existing waterfront structures to recover recyclable portions such as metals. • Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal. • Encourage collection of aluminium cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force. • Any unused chemicals or those with remaining functional capacity shall be recycled. • Use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&D material. • Prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill. • Proper storage and site practices to minimise the potential for damage or contamination of construction materials. • Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. 	Contractor	Works areas	During planning and design stage, and construction stage	V V V V V V V
S6.7.10	General Refuse: <ul style="list-style-type: none"> • General refuse shall be stored in enclosed bins or compaction units separate from C&D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D material. • A collection area shall be provided where wastes can be stored and loaded prior to removal from site. An 	Contractor	Works areas	Construction phase	V V

Appendix D – Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Who to implement the measures?	Location of the measure	When to implement the measures?	Implementation Status
	enclosed and covered area is recommended to reduce the occurrence of 'wind blow' light material.				
S6.7.11	Chemical Wastes: After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals shall be collected by a licensed collector for disposal at the CWTF or other licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Contractor	Works areas	Construction phase	V
S6.7.12 – S6.7.13	Construction and Demolition Material: <ul style="list-style-type: none"> C&D material shall be sorted on-site into inert C&D material (that is, public fill) and C&D waste. All the suitable inert C&D material shall be broken down to 250 mm in size for reuse as public fill in the WDII reclamation. C&D waste, such as wood, glass, plastic, steel and other metals shall be reused or recycled and, as a last resort, disposed of to landfill. A suitable area shall be designated to facilitate the sorting process and a temporary stockpiling area will be required for the separated materials. In order to monitor the disposal of public fill and C&D waste at public fill reception facilities and landfills, respectively, and to control fly tipping, a trip-ticket system shall be included as one of the contractual requirements and implemented by the Environmental Team undertaking the environmental monitoring and audit work. An Independent Environment Checker shall be responsible for auditing the results of the system. 	Contractor	Works areas	Construction phase	V V
S6.7.14	Bentonite Slurry: The disposal of residual used bentonite slurry shall follow the good practice guidelines stated in ProPECC PN 1/94 “Construction Site Drainage” and listed as follows: <ul style="list-style-type: none"> If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis. If the used bentonite slurry is intended to be disposed of through the public drainage system, it shall be treated to the respective effluent standards applicable to foul sewers, storm drains or the receiving waters as set out in the Technical Memorandum of Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters. If the used bentonite slurry is intended to be disposed to public fill reception facilities, it will be mixed with dry soil on site before disposal. 	Contractor	Works areas	Construction phase	N/A N/A N/A
/	Accidental spillage To prevent accidental spillage of chemicals, the following is recommended: <ul style="list-style-type: none"> Proper storage and handling facilities will be provided. All the tanks, containers, storage area will be bunded and the locations will be locked as far as possible from the sensitive watercourse and stormwater drains. The contractor will register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities will be stored with suitable labels and warnings. Disposal of chemical wastes will be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation. 	Contractor	Works areas	Construction phase	V V V V
Land Contamination Impact					
S.7.1.1	As no potential contaminative land uses were identified within the Study Area, adverse land contamination impacts associated with the construction and operation of the Project is not expected. As such, environmental protection and mitigation measures are considered not necessary and will not be covered in this EM&A Manual.	-	-	-	N/A
Landscape and Visual					
Construction Phase					

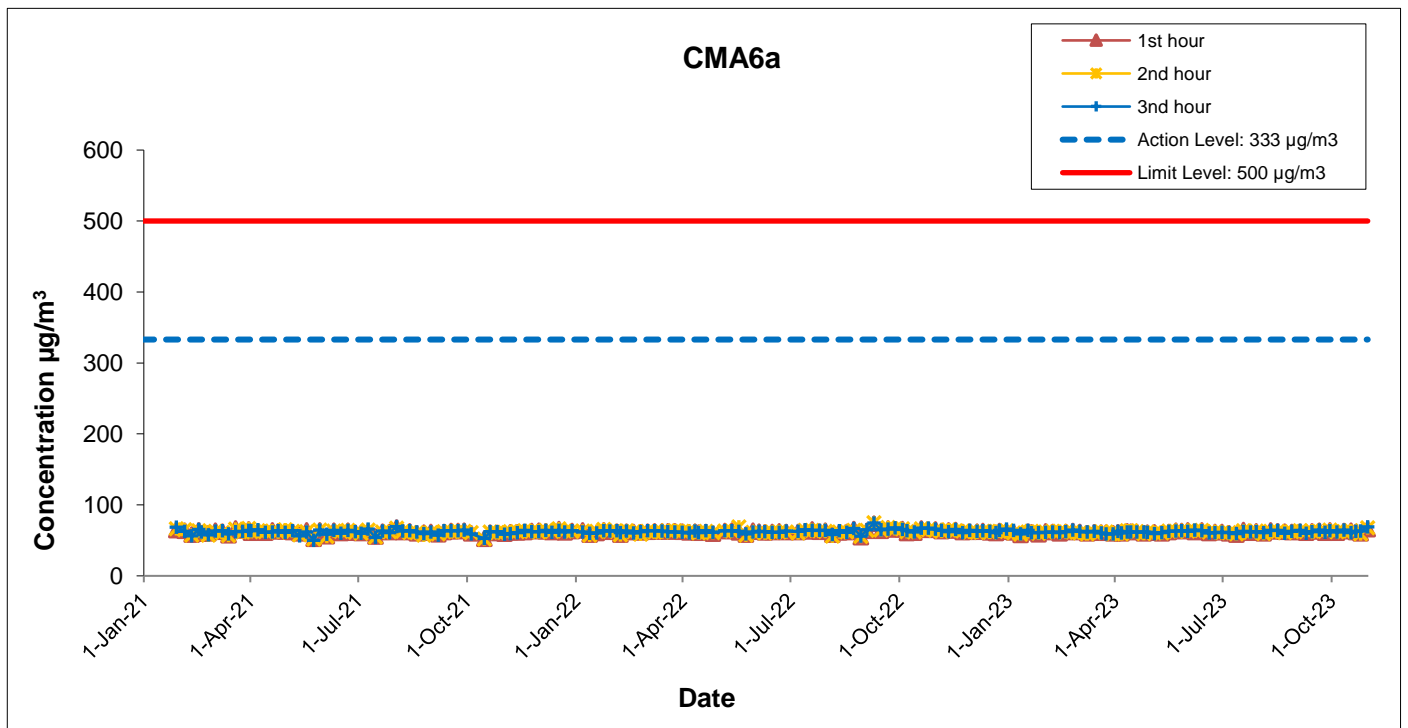
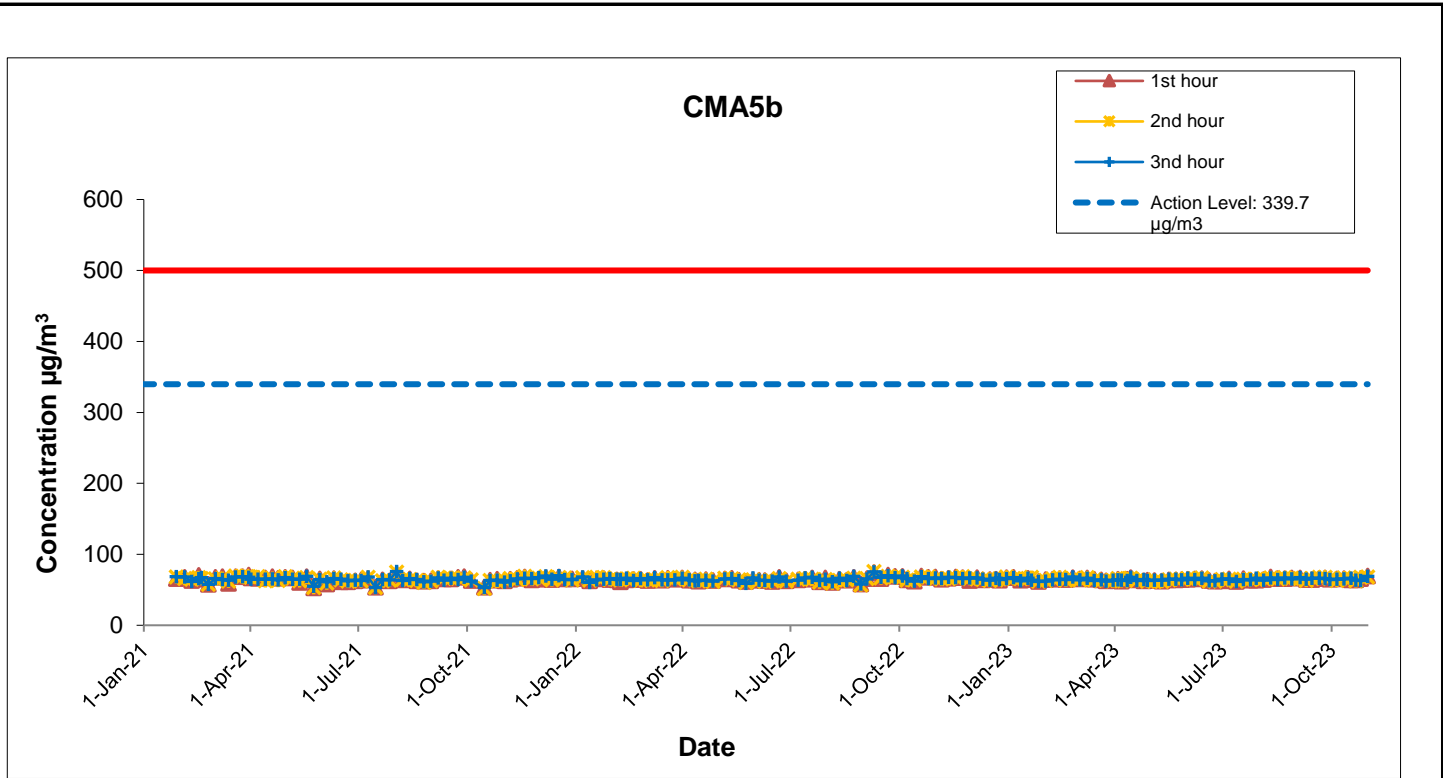
Appendix D – Environmental Mitigation Implementation Schedule

EIA Ref.	Recommended Mitigation Measures	Who to implement the measures?	Location of the measure	When to implement the measures?	Implementation Status
<i>For DP1 – CWB (Within the Project Boundary)</i>					
Table 10.5	CM1 - Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical. CM2 - Existing trees to be retained on site shall be carefully protected during construction. CM3 - Trees unavoidably affected by the works shall be transplanted where practical. CM4 - Compensatory tree planting shall be provided to compensate for felled trees. CM5 - Control of night-time lighting. CM6 - Erection of decorative screen hoarding compatible with the surrounding setting.	Contractor	Works areas	Construction phase	V N/A N/A N/A V N/A

Legend: V = implemented;
 x = not implemented;
 @ = partially implemented;
 N/A = not applicable

APPENDIX E

**Air Quality Monitoring
Graphical Presentations**



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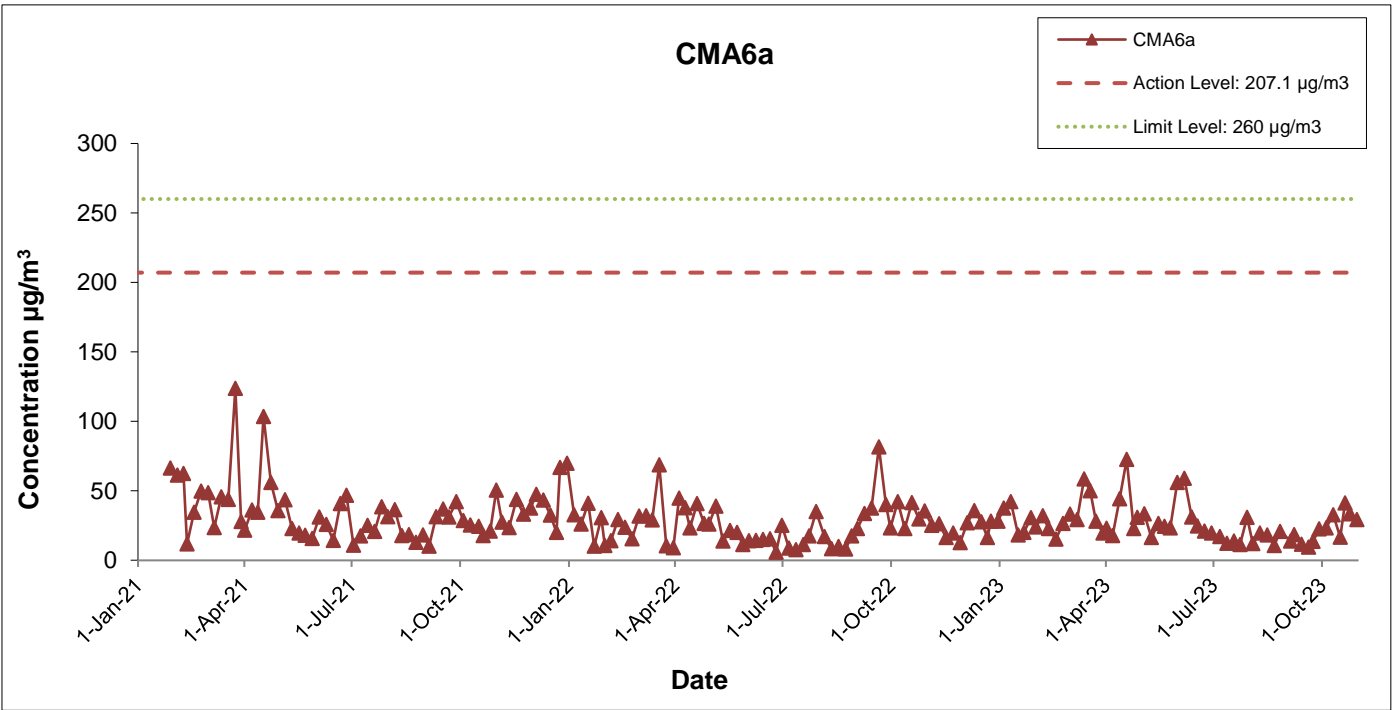
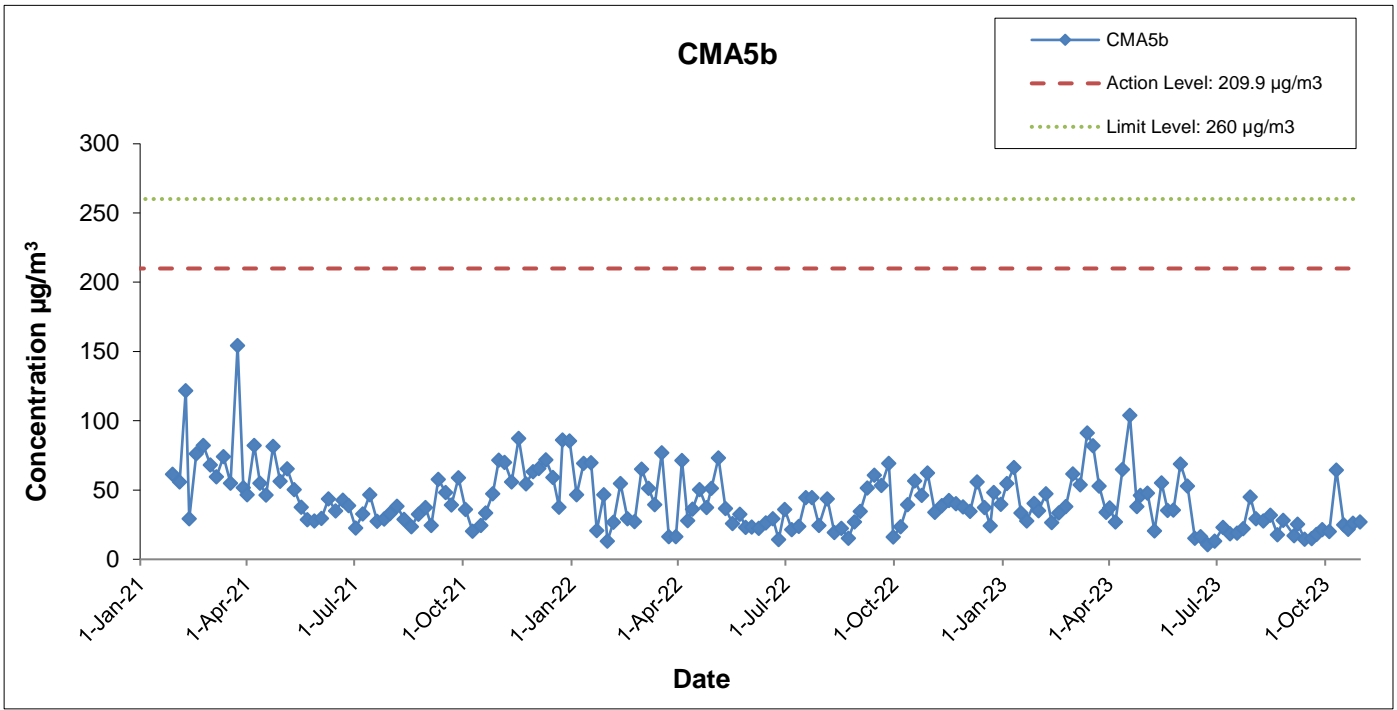
Shatin Central Link Contract No. 1123
 Entrusted Work for Slip Road 3



Graphical Presentation of Impact 1-hr TSP Monitoring Results

Date: February 2024

Appendix E



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Shatin Central Link Contract No. 1123
 Entrusted Work for Slip Road 3



Graphical Presentation of Impact 24-hr TSP Monitoring Results

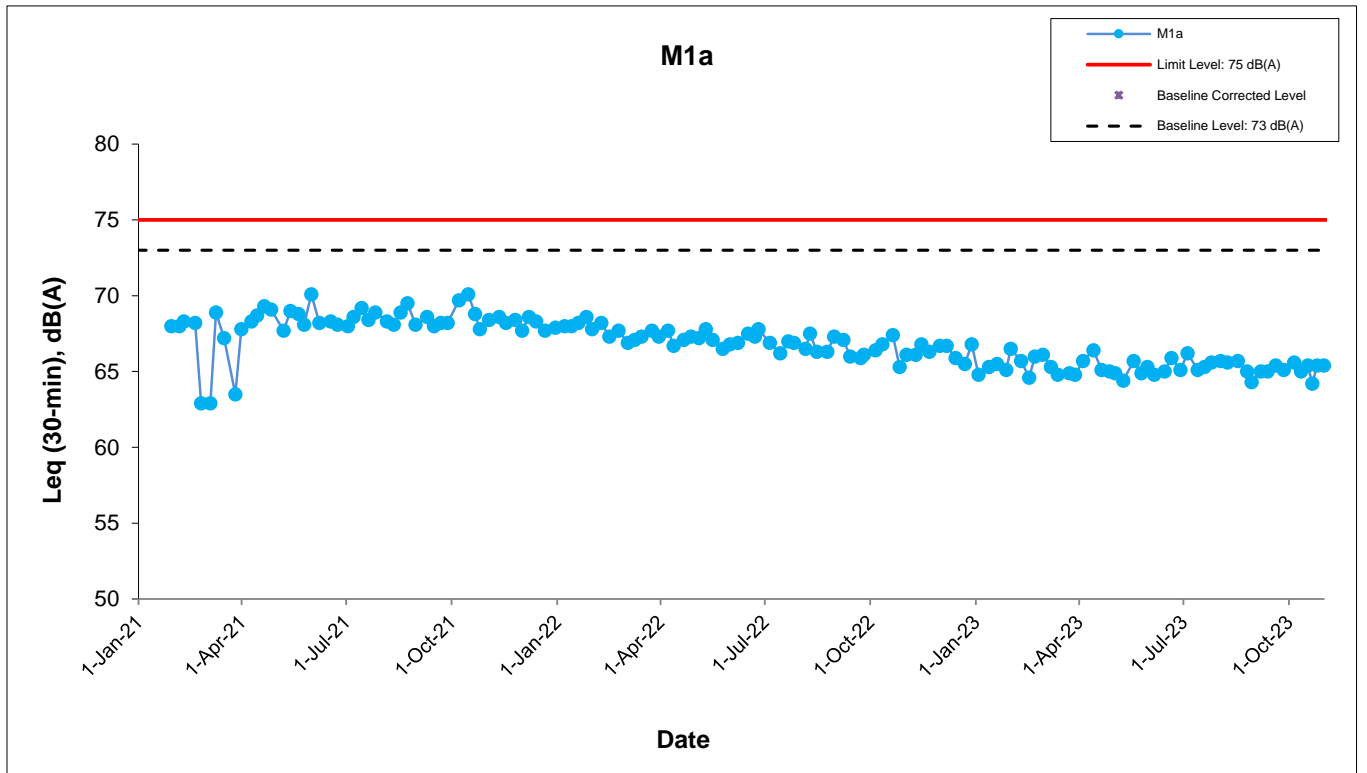
Date: February 2024

Appendix E

APPENDIX F

**Noise Monitoring Graphical
Presentations**

Appendix F Regular Construction Noise Monitoring Results



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Shatin Central Link Contract No. 1123
Entrusted Work for Slip Road 3

Graphical Presentation of Impact Noise Monitoring Results

Date: February 2024

Appendix F

APPENDIX G

**Cumulative Statistics of Complaints, Notification of Summons
and Successful Prosecutions**

Appendix G

Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

	Date Received	Subject	Status	Total no. received in this month	Total no. received since project commencement
Environmental complaints	-	-	-	0	0
Notification of summons	-	-	-	0	0
Successful Prosecutions	-	-	-	0	0