





**MTR Corporation Limited**

**Shatin to Central Link –  
Tai Wai to Hung Hom Section and  
MongKok East to Hung Hom Section**

**Monthly EM&A Report No. 100**

[Period from 1 to 31 December 2021]

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## 1 INTRODUCTION

### 1.1 Background

- 1.1.1 The Shatin to Central Link (SCL) is a 17km extension of the existing Ma On Shan Line (MOL) and East Rail Line (EAL) comprising (i) The East-West Corridor which extends the MOL from Tai Wai to Hung Hom via East Kowloon to connect with the West Rail Line (WRL) at Hung Hom Station (HUH) and Stabling Sidings at Hung Hom Freight Yard (HHS); and (ii) The North-South Corridor which is an extension of the East Rail Line (EAL) at Hung Hom across the harbour to Admiralty Station (ADM).
- 1.1.2 Shatin to Central Link – Tai Wai to Hung Hom Section [SCL (TAW-HUH)] and Shatin to Central Link – Mong Kok East to Hung Hom Section [SCL (MKK-HUH)] (hereafter referred to as “the Project”) are parts of the SCL. Shatin to Central Link – Stabling Sidings at Hung Hom Freight Yard [SCL (HHS)] is a proposed stabling sidings option for SCL (TAW – HUH) at the former freight yard in Hung Hom.
- 1.1.3 The Environmental Impact Assessment (EIA) Reports for SCL (TAW-HUH) (Register No.: AEIAR-167/2012), SCL (MKK-HUH) (Register No.: AEIAR-165/2012) and SCL (HHS) (Register No.: AEIAR-164/2012) were approved on 17 February 2012 under the Environmental Impact Assessment Ordinance (EIAO). Following the approval of the EIA Reports, two Environmental Permits (EPs) were granted on 22 March 2012, one covers SCL (TAW-HUH) and SCL (HHS) (EP No: EP-438/2012) and the other covers SCL (MKK-HUH) and SCL (HHS) (EP No.: EP-437/2012), for their construction and operation. Variations of environmental permit (VEP) were subsequently applied for EP-438/2012 and EP-437/2012. The latest Environmental Permits (EP Nos.: EP-438/2012/K and EP-437/2012/A) were issued by Director of Environmental Protection (DEP) on 4 October 2016 and 28 November 2017, respectively.

### 1.2 Project Programme

- 1.2.1 Eleven civil construction works contracts of the Project have been awarded since July 2012. The construction of the Project commenced in September 2012. **Table 1.1** summarises the information of the awarded Works Contracts. All major construction works under these eleven civil construction works contracts have been completed.

**Table 1.1 Summary of Awarded Works Contracts**

Works Contract	Description	Construction Start Date	Contractor	Environmental Team
1101 <sup>(1)</sup>	Ma On Shan Line Modification Works	December 2012	Sun Fook Kong Joint Venture (SFKJV)	ANewR Consulting Ltd. (ANewR)
1102 <sup>(6)</sup>	Hin Keng Station and Approach Structures	October 2013	Penta-Ocean Construction Co. Ltd.	Wellab Limited (Wellab)
1103 <sup>(7)</sup>	Hin Keng to Diamond Hill Tunnels	February 2013	Vinci Construction Grands Projets	Ove Arup & Partners Hong Kong Ltd. (Arup)
		October 2019	Wing Ho Yuen Landscaping Co. Ltd.	MTR Co. Limited
1106 <sup>(8)</sup>	Diamond Hill Station	March 2013	Leader Joint Venture	Cinotech Consultants Ltd. (Cinotech)
1107 <sup>(4)</sup>	Diamond Hill to Kai Tak Tunnels	May 2013	Chun Wo - SELI Joint Venture	Cinotech Consultants Ltd. (Cinotech)
1108 <sup>(5)</sup>	Kai Tak Station and Associated Tunnels	June 2013	Kaden -Chun Wo Joint Venture	Environmental Pioneers & Solutions Ltd.

Works Contract	Description	Construction Start Date	Contractor	Environmental Team
1108A <sup>(2)</sup>	Kai Tak Barging Point Facilities	September 2012	Concentric – Hong Kong River Joint Venture (CCL-HKR JV)	Cinotech Consultants Ltd. (Cinotech)
1109 <sup>(10)</sup>	Stations and Tunnels of Kowloon City Section	September 2012	Samsung-Hsin Chong JV (SSHCJV)	ERM-Hong Kong Limited (ERM)
1111 <sup>(9)</sup>	Hung Hom North Approach Tunnels	January 2013	Gammon-Kaden SCL1111 JV	AECOM Asia Co. Ltd.
1112 <sup>(11)</sup>	Hung Hom Station and Stabling Sidings	June 2013	Leighton Contractors (Asia) Limited	SMEC Asia Ltd., HK
11240 <sup>(3)</sup>	Excavation, Sorting and Disposal of Stockpiled Spoils to Approved Receptor Site	October 2017	Crown Asia Engineering Limited (CAEL)	MTR Co. Limited

## Notes:

- (1) All construction works (works areas at Tai Wai Mei Tin Road and the offsite temporary storage areas) under Works Contract 1101 were completed on 29 February 2016.
- (2) All construction works (Kai Tak Barging Point Facilities) under Works Contract 1108A were completed on 29 September 2016.
- (3) All construction works (Excavation, Sorting and Disposal of Stockpiled Spoils to Approved Receptor Site) under Works Contract 11240 were completed on 3 January 2018.
- (4) All construction works (Diamond Hill to Kai Tak Tunnels) under Works Contract 1107 were completed on 22 February 2018.
- (5) All construction works (Kai Tak Station and associated tunnels) under Works Contract 1108 were completed in July 2018.
- (6) All construction works (Hin Keng Station and Approach Structures) under Works Contract 1102 were completed in December 2018. The Environmental Team was taken over by Wellab Limited starting from 1 January 2019.
- (7) All construction works (Hin Keng to Diamond Hill Tunnels) under Works Contract 1103 were completed in June 2019. Minor landscaping works at Fung Tak had been commenced in mid-October and all the works were completed at the end of October 2019.
- (8) All construction works (Diamond Hill Station) under Works Contract 1106 with significant environmental impacts were substantially completed by 25 June 2019.
- (9) All major construction works (Hung Hom North Approach Tunnels) under Works Contract 1111 have been substantially completed since 18 November 2018.
- (10) All construction works (Stations and Tunnels of Kowloon City Section) under Works Contract 1109 have been substantially completed on 12 August 2020.
- (11) All major construction works (Hung Hom Station and Stabling Sidings) under Works Contract 1112 have been substantially completed by 17 September 2020.

1.2.2 All major construction works for SCL (TAW-HUH) and SCL (HHS) covered by EP No. EP-438/2012/K was completed. Moreover, several remaining works, including provision of recreational facilities at Ma Chai Hang and outstanding works of access in Sung Wong Toi area for connection from Sung Wong Toi Station to Pak Tai Street, would be carried out in later stage and undertaken by another works contracts in late 2022-2023 tentatively, subject to further liaison with Railway Development Office (RDO), relevant government departments and stakeholders. The tree planting works at Kai Tak Station Square (Phase 1) was carried out and completed in December 2021.

1.2.3 All major construction works for SCL (MKK-HUH) and SCL (HHS) covered by EP No. EP-437/2012/A was completed. Moreover, it is proposed to plant additional tree seedlings at Ha Fa Shan in Tsuen Wan as compensation for the shortfall of compensatory planting. Such planting works would be carried out at later stage and undertaken by another works contract in 2023 tentatively, subject to further liaison with RDO, relevant government departments and stakeholders.

### 1.3 Purpose of the Report

- 1.3.1 The Environmental Monitoring and Audit (EM&A) programme for the Project commenced in September 2012. This is the one hundredth EM&A Report for the Project which summarises the EM&A works undertaken during the period from 1 to 31 December 2021.

## 2 ENVIRONMENTAL MONITORING AND AUDIT

- 2.1.1 The construction of SCL has been divided into different civil construction works contracts which are covered by EP No. EP-437/2012/A and/or EP-438/2012/K. As per the EP Conditions, EM&A Reports for the works contracts as shown in the table below have been prepared by the respective Contractor's ETs.

**Table 2.1 Summary of Works Contracts and Respective EPs**

Works Contract	Contract Title	Works Covered in Environmental Permit No.
1101	Ma On Shan Modification Works	EP-438/2012/K
1102	Hin Keng Station and Approach Structures	EP-438/2012/K
1103	Hin Keng to Diamond Hill Tunnels	EP-438/2012/K
1106	Diamond Hill Station	EP-438/2012/K
1107	Diamond Hill to Kai Tak Tunnels	EP-438/2012/K
1108	Kai Tak Station and Associated Tunnels	EP-438/2012/K
1108A	Kai Tak Barging Point Facilities	EP-438/2012/K
1109	Stations and Tunnels of Kowloon City Section	EP-438/2012/K
1111	Hung Hom North Approach Tunnels	EP-437/2012/A & EP-438/2012/K
1112	Hung Hom Station and Stabling Sidings	EP-437/2012/A & EP-438/2012/K
11240	Excavation, Sorting and Disposal of Stockpiled Spoils to Approved Receptor Site	EP-438/2012/K

- 2.1.2 The tree planting works at Kai Tak Station Square (Phase 1) were completed in December 2021. Bi-weekly landscape inspection were conducted on 13 Dec and 29 Dec 2021, with IEC inspection conducted on 30 Dec 2021. The Monthly EM&A Report summarising the site inspection findings, environmental complaint records and investigations, and any notification of summons, prosecutions and corrective actions throughout the whole reporting period are provided in **Appendix A**.
- 2.1.3 Final EM&A Review Reports for all Works Contracts above have been provided in previous monthly EM&A reports of SCL (TAW-HUH) and SCL (MKK-HUH) under EP Nos. EP-438/2012/K and EP-437/2012/A accordingly.
- 2.1.4 As mentioned in Section 1.2.2, all major construction works for SCL (TAW-HUH) and SCL (HHS) covered by EP No. EP-438/2012/K have been completed as well as the Final EM&A Review Reports of respective work contracts have also been submitted. As such, the EM&A programme in accordance with the SCL(TAW-HUH) and SCL(HHS) EM&A Manuals covered by EP No.: EP-438/2012/K was suspended since 1 December 2020 and would be resumed if necessary when the remaining works would be carried out in late 2022-2023 tentatively. **Table 2.2** summarises the information of the remaining works.
- 2.1.5 As mentioned in Section 1.2.3, all major construction works for SCL (MKK-HUH) and SCL (HHS) covered by EP No. EP-437/2012/A have been completed as well as the Final

EM&A Review Reports of respective work contracts have also been submitted. As such, the EM&A programme in accordance with the SCL(TAW-HUH) and SCL(HHS) EM&A Manuals covered by EP No. EP-437/2012/A was suspended since 1 December 2020 and would be resumed if necessary when the landscaping works at Ha Fa Shan would be carried out in 2023 tentatively. **Table 2.2** summarises the information of the landscaping works.

**Table 2.2 Summary of Remaining Works**

Remaining Works	Location	Tentative Start Date of Works & EM&A Programme Re-activation	Works Covered in Environmental Permit No.
Provision of recreational facilities at Ma Chai Hang	Ma Chai Hang	2022	EP-438/2012/K
Outstanding works of access in Sung Wong Toi area for connection from Sung Wong Toi Station to Pak Tai Street	Sung Wong Toi Station	2022	EP-438/2012/K
Remaining Tree planting works (Phase 2) at Kai Tak Station Square	Kai Tak Station	2022	EP-438/2012/K
Proposed tree seedlings planting at Ha Fa Shan	Ha Fa Shan in Tsuen Wan	2022	EP-437/2012/A



### 3 IMPLEMENTATION STATUS ON THE ENVIRONMENTAL PROTECTION REQUIREMENTS

3.1.1 The respective Contractors have implemented all mitigation measures and requirements as stated in the EIA Reports, EM&A Manuals and EPs (EP-437/2012/A and EP-438/2012/K). The status of required submissions under the EPs as of the reporting period are summarised in **Tables 2.1**.

**Table 3.1 Summary of Status of Required Submissions for EP-437/2012/A**

EP Condition (EP-437/2012/A)	Submission	Submission date
Condition 1.11	Notification of Commencement Date of Construction of the Project	30 Nov 2012
Condition 2.3	Notification of Information of Community Liaison Groups	30 Nov 2012
Condition 2.5	Management Organisation of Main Construction Companies	19 Dec 2012 (1 <sup>st</sup> submission) 30 Apr 2013 (2 <sup>nd</sup> submission)
Condition 2.6	Construction Programme and EP Submission Schedule	19 Dec 2012
Condition 2.7	Construction Noise Mitigation Measures Plan (CNMMP)	30 Nov 2012 (1 <sup>st</sup> submission) 8 Feb 2013 (Approved) 26 Apr 2013 (2 <sup>nd</sup> submission) 11 Jun 2013 (3 <sup>rd</sup> submission) 27 Aug 2013 (Approved) 20 Jan 2014 (4 <sup>th</sup> submission) 28 Apr 2016 (Approved)
Condition 2.8	Continuous Noise Monitoring Plan (CNMP)	30 Nov 2012 (1 <sup>st</sup> submission) 11 Jan 2013 (2 <sup>nd</sup> submission) 8 Feb 2013 (Approved) 20 Jan 2014 (3 <sup>rd</sup> submission) 28 Apr 2016 (Approved)
Condition 2.9	Construction and Demolition Materials Management Plan (C&DMMP)	6 Jul 2012 (1 <sup>st</sup> submission) 12 Sep 2012 (2 <sup>nd</sup> submission) 15 Oct 2012 (Approved)
Condition 2.10	Sediment Management Plan	6 Jul 2012 (1 <sup>st</sup> submission) 12 Sep 2012 (2 <sup>nd</sup> submission) 5 Oct 2012 (3 <sup>rd</sup> submission) 15 Oct 2012 (Approved)
Condition 2.11	Visual, Landscape, Tree Planting & Tree Protection Plan (VLTP)	14 Nov 2012 (1 <sup>st</sup> submission) 8 Feb 2013 (2 <sup>nd</sup> submission) 4 Feb 2015 (3 <sup>rd</sup> submission) 26 Jun 2015 (4 <sup>th</sup> submission) 12 May 2017 (5 <sup>th</sup> submission) 17 Apr 2018 (6 <sup>th</sup> submission) 17 Apr 2019 (7 <sup>th</sup> submission) 9 Apr 2020 (8 <sup>th</sup> submission)
Condition 2.16	Operational Ground-borne Noise Mitigation Measures Plan	23 Mar 2017 (1 <sup>st</sup> submission) 17 May 2017 (2 <sup>nd</sup> submission) 28 Jun 2017 (3 <sup>rd</sup> submission) 20 Jul 2017 (Approved)
Condition 2.19	As-built drawing(s) for Operation Air-borne Noise Mitigation Measure	10 Jan 2018 (1 <sup>st</sup> submission) 9 Feb 2018 (Approved)
Condition 2.21	Proposal for Updating Maximum Allowable Sound Power Levels of Fixed Plant Sources	26 Jul 2019 (Batch 1 Version A submission) 14 Aug 2019 (Batch 1 Version A approved)
Condition 2.21	Fixed Plant Noise Audit Report	29 Aug 2019 (Batch 1 Version A submission) 11 Oct 2019 (Approved)
Condition 3.1	Proposal for Cessation of EM&A Programme at Hung Hom North Approach Tunnels	25 Jul 2019 (1 <sup>st</sup> submission) 31 Jul 2019 (Approved)

EP Condition (EP-437/2012/A)	Submission	Submission date
Condition 3.1	Proposal for Cessation of EM&A Programme at Hung Hom Station and Stabling Sidings	21 Oct 2020 (1st submission) 29 Oct 2020 (Approved)
Condition 3.3	Baseline Monitoring Report (Works Contracts 1103, 1106 and 1111 – Hin Keng to Diamond Hill Tunnels, Diamond Hill Station, and Hung Hom North Approach Tunnels)	19 Oct 2012
Condition 3.4	Monthly EM&A Reports No. 5-98  Monthly EM&A Report No. 99	Reported in previous Monthly EM&A Reports  11 Dec 2020

**Table 3.2 Summary of Status of Required Submissions for EP-438/2012/K**

EP Condition (EP-438/2012/K)	Submission	Submission date
Condition 1.12	Notification of Commencement Date of Construction of the Project	1 Aug 2012
Condition 2.3	Notification of Information of Community Liaison Groups	13 Jul 2012 (1 <sup>st</sup> submission) 31 Aug 2012 (2 <sup>nd</sup> submission) 30 Nov 2012 (3 <sup>rd</sup> submission)
Condition 2.7	Management Organisation of Main Construction Companies	27 Jul 2012 (1 <sup>st</sup> submission) 21 Aug 2012 (2 <sup>nd</sup> submission) 19 Dec 2012 (3 <sup>rd</sup> submission) 22 Jan 2013 (4 <sup>th</sup> submission) 30 Apr 2013 (5 <sup>th</sup> submission) 21 May 2013 (6 <sup>th</sup> submission)
Condition 2.8	Construction Programme and EP Submission Schedule	27 Jul 2012
Condition 2.9	Construction Noise Mitigation Measures Plan (CNMMP)	1 Aug 2012 (1 <sup>st</sup> submission) 28 Sep 2012 (2 <sup>nd</sup> submission) 30 Nov 2012 (3 <sup>rd</sup> submission) 11 Jan 2013 (4 <sup>th</sup> submission) 8 Feb 2013 (Approved) 8 Feb 2013 (5 <sup>th</sup> submission) 26 Apr 2013 (6 <sup>th</sup> submission) 11 Jun 2013 (7 <sup>th</sup> submission) 12 Jul 2013 (Approved) 26 Jul 2013 (8 <sup>th</sup> submission) 22 Aug 2013 (Approved) 23 Aug 2013 (9 <sup>th</sup> submission) 13 Sep 2013 (Approved) 20 Jan 2014 (10 <sup>th</sup> submission) 26 Feb 2014 (Approved) 31 Mar 2015 (Contract 1106 submission only) 13 Apr 2015 (Contract 1106 submission only) 15 Apr 2015 (Approved)
Condition 2.10	Continuous Noise Monitoring Plan (CNMP)	1 Aug 2012 (1 <sup>st</sup> submission) 28 Sep 2012 (2 <sup>nd</sup> submission) 30 Nov 2012 (3 <sup>rd</sup> submission) 11 Jan 2013 (4 <sup>th</sup> submission) 8 Feb 2013 (Approved) 8 Feb 2013 (5 <sup>th</sup> submission) 26 Apr 2013 (6 <sup>th</sup> submission) 11 Jun 2013 (7 <sup>th</sup> submission) 12 Jul 2013 (Approved) 26 Jul 2013 (8 <sup>th</sup> submission) 22 Aug 2013 (Approved) 23 Aug 2013 (9 <sup>th</sup> submission) 13 Sep 2013 (Approved)

EP Condition (EP-438/2012/K)	Submission	Submission date
		20 Jan 2014 (10 <sup>th</sup> submission) 26 Feb 2014 (Approved) 7 Oct 2014 (11 <sup>th</sup> submission) 23 Oct 2014 (Approved)
Condition 2.11	Construction and Demolition Materials Management Plan (C&DMMP)	6 Jul 2012 (1 <sup>st</sup> submission) 12 Sep 2012 (2 <sup>nd</sup> submission) 10 Oct 2012 (Approved)
Condition 2.12	Sediment Management Plan	6 Jul 2012 (1 <sup>st</sup> submission) 12 Sep 2012 (2 <sup>nd</sup> submission) 5 Oct 2012 (3 <sup>rd</sup> submission) 10 Oct 2012 (Approved) 4 Mar 2013 (4 <sup>th</sup> submission) 9 May 2013 (5 <sup>th</sup> submission) 24 Jul 2013 (6 <sup>th</sup> submission) 26 Jul 2013 (Approved)
Condition 2.13	Visual, Landscape, Tree Planting & Tree Protection Plan	6 Jul 2012 (1 <sup>st</sup> submission) 30 Aug 2012 (2 <sup>nd</sup> submission) 3 Oct 2012 (3 <sup>rd</sup> submission) 13 Nov 2013 (Approved) 14 Nov 2012 (4 <sup>th</sup> submission) 8 Feb 2013 (5 <sup>th</sup> submission) 18 Mar 2013 (6 <sup>th</sup> submission) 18 Jun 2013 (7 <sup>th</sup> submission) 12 Jul 2013 (Approved) 23 Mar 2017 (8 <sup>th</sup> submission) 7 Mar 2018 (9 <sup>th</sup> submission) 30 Jul 2018 (10 <sup>th</sup> submission) 28 Feb 2019 (11 <sup>th</sup> submission) 5 Mar 2019 (12 <sup>th</sup> submission) 29 May 2019 (13 <sup>th</sup> submission) 19 Jul 2019 (Approved)
Condition 2.14	Transplantation Proposal for Plant Species of Conservation Importance	22 Aug 2012 (1 <sup>st</sup> submission) 5 Oct 2012 (2 <sup>nd</sup> submission) 26 Nov 2012 (3 <sup>rd</sup> submission) 4 Dec 2012 (Approved)
Condition 2.15	Conservation Plan	31 Jan 2013 (1 <sup>st</sup> submission) 18 Mar 2013 (2 <sup>nd</sup> submission) 24 Apr 2013 (Approved)
Condition 2.16	Archaeological Action Plan(s) (AAP(s)) for Works Contract 1109	10 Aug 2012 (1 <sup>st</sup> submission) 3 Sep 2012 (2 <sup>nd</sup> submission) 21 Sep 2012 (Approved) 11 Oct 2013 (3 <sup>rd</sup> submission) 1 Nov 2013 (Approved)
Condition 2.16	Archaeological Action Plan(s) (AAP(s)) for Works Contract 1106	29 Jan 2013 (1 <sup>st</sup> submission) 19 Mar 2013 (2 <sup>nd</sup> submission) 8 Apr 2013 (Approved)
Condition 2.23	Supplementary Contamination Assessment Report for New Territories South Animal Centre	28 Sep 2012 25 Oct 2012 (Approved)
Condition 2.27	Operational Ground-borne Noise Mitigation Measures Plan	18 Mar 2016 (Batch 1 Version A submission) 28 Apr 2016 (Batch 1 Version B submission) 28 Apr 2016 (Batch 2 Version A submission) 1 Jun 2016 (Batch 1 Version C submission) 1 Jun 2016 (Batch 2 Version B submission) 23 Jun 2016 (Batch 1 Version D submission) 23 Jun 2016 (Batch 2 Version C submission)

EP Condition (EP-438/2012/K)	Submission	Submission date
		15 Jul 2016 (Batch 1 Version D approved) 15 Jul 2016 (Batch 2 Version C approved) 15 Sep 2016 (Batch 3 Version A submission) 4 Oct 2016 (Batch 3 Version A approved) 8 Mar 2017 (Batch 4 Version A) 7 Apr 2017 (Batch 4 Version A approved) 7 Jun 2017 (Final) 20 Jul 2017 (Approved)
Condition 2.28	As-built Drawings for Operational Ground-borne Noise Mitigation Measures	10 Aug 2017 (1 <sup>st</sup> submission) 15 Sep 2017 (Approved)
Condition 2.30	As-built Drawings for Operational Air-borne Noise Mitigation Measures	4 Dec 2015 (1 <sup>st</sup> submission) 28 Dec 2015 (2 <sup>nd</sup> submission) 4 Feb 2016 (Approved) 20 Mar 2018 (3 <sup>rd</sup> submission) 18 Jul 2018 (Approved) 4 May 2018 (4 <sup>th</sup> submission) 23 Jul 2018 (Approved) 20 Feb 2020 (5 <sup>th</sup> submission) 17 Mar 2020 (Approved)
Condition 2.31	Performance Test Report for Train Noise – Operational Airborne Railway and Ground-borne Noise	15 Nov 2018 (Batch 1 Version A submission) 30 Jan 2019 (Batch 2 Version A submission) 29 Mar 2019 (Batch 1 Version A & Batch 2 Version B submission) 15 April 2019 (Approved)
Condition 2.32	Proposal for Updating Maximum Allowable Sound Power Levels of Fixed Plant Sources	30 Jan 2019 (Batch 1 Version A submission) 27 Feb 2019 (Batch 1 Version B submission) 13 Mar 2019 (Batch 1 Version B approved) 15 Mar 2019 (Batch 2 Version A submission) 8 Apr 2019 (Batch 2 Version A approved) 24 April 2019 (Batch 3 & 4 Version A submission) 21 May 2019 (Batch 3 Version B submission) 11 Jun 2019 (Batch 3 Version B & Batch 4 Version A approved) 21 Jun 2019 (Batch 5 Version A submission) 17 Jul 2019 (Batch 5 Version A approved) 19 Jul 2019 (Batch 6 Version A submission) 26 Jul 2019 (Batch 7 Version A submission) 29 Jul 2019 (Batch 6 Version A approved) 14 Aug 2019 (Batch 7 Version A approved)
Condition 2.32	Fixed Plant Noise Audit Report	30 Jan 2019 (Batch 1 Version A submission)

EP Condition (EP-438/2012/K)	Submission	Submission date
		15 Mar 2019 (Batch 1 Version B submission) 4 Apr 2019 (Batch 1 Version B approved) 16 Apr 2019 (Batch 2 Version A submission) 7 May 2019 (Batch 2 Version A approved) 24 Jun 2019 (Batch 3 Version A and Batch 4 Version A submission) 6 Jul 2019 (Batch 3 Version A and Batch 4 Version A approved) 2 Aug 2019 (Batch 5 Version A submission) 27 Aug 2019 (Batch 6 Version A submission) 29 Aug 2019 (Batch 7 Version A submission) 3 Sep 2019 (Batch 5 Version A approved) 13 Sep 2019 (Batch 6 Version B approved) 23 Sep 2019 (Batch 7 Version B submission) 11 Oct 2019 (Batch 7 Version B approved)
Condition 2.33	As-built Drawings for Landscape and Visual Mitigation Measures	4 Dec 2015 (1 <sup>st</sup> submission) 28 Dec 2015 (2 <sup>nd</sup> submission) 4 Feb 2016 (Approved) 22 Aug 2018 (3 <sup>rd</sup> submission) 5 Nov 2018 (4 <sup>th</sup> submission) 6 Sep 2019 (5 <sup>th</sup> submission) 11 Sep 2019 (Approved) 27 Sep 2019 (6 <sup>th</sup> submission) 21 Feb 2020 (7 <sup>th</sup> submission) 17 Sep 2020 (8 <sup>th</sup> submission) 4 Nov 2020 (9 <sup>th</sup> submission)
Condition 2.36	Contamination Assessment Plan (CAP) for the Temporary Magazine Site at TKO Area 137	23 Mar 2016 (1 <sup>st</sup> submission) 20 Apr 2016 (2 <sup>nd</sup> submission) 22 Apr 2016 (Approved)
Condition 2.36	Contamination Assessment Report (CAR) for the Temporary Magazine Site at TKO Area 137	19 May 2016 (1 <sup>st</sup> submission) 3 Jun 2016 (2 <sup>nd</sup> submission) 15 Jun 2016 (Approved)
Condition 3.1	Proposal for Termination of Environmental Monitoring and Audit (EM&A) Programme for Kai Tak Barging Point Facilities	7 Oct 2016 (Approved)
Condition 3.1	Proposal for Cessation of EM&A Works at Hin Keng	9 May 2018 (1 <sup>st</sup> submission) 16 Jul 2018 (Approved)
Condition 3.1	Proposal for Cessation of EM&A Programme at Diamond Hill Station	25 Jul 2019 (1 <sup>st</sup> submission) 31 Jul 2019 (Approved)
Condition 3.1	Proposal for Cessation of EM&A Programme at Hung Hom North Approach Tunnels	25 Jul 2019 (1 <sup>st</sup> submission) 31 Jul 2019 (Approved)
Condition 3.1	Proposal for Cessation of EM&A Programme at Stations and Tunnels of Kowloon City Section	24 Aug 2020 (1 <sup>st</sup> submission) 28 Aug 2020 (Approved)

<b>EP Condition (EP-438/2012/K)</b>	<b>Submission</b>	<b>Submission date</b>
Condition 3.1	Proposal for Cessation of EM&A Programme at Hung Hom Station and Stabling Sidings	21 Oct 2020 (1st submission) 29 Oct 2020 (Approved)
Condition 3.3	Baseline Monitoring Report (Works Contract 1109 - Stations and Tunnels of Kowloon City Section)	27 Jul 2012
Condition 3.3	Baseline Monitoring Report (Works Contract 1108A – Kai Tak Barging Point Facilities)	31 Jul 2012
Condition 3.3	Baseline Monitoring Report (Works Contracts 1103, 1106 and 1111 – Hin Keng to Diamond Hill Tunnels, Diamond Hill Station, and Hung Hom North Approach Tunnels)	19 Oct 2012
Condition 3.4	Monthly EM&A Reports No. 1-98	Reported in previous Monthly EM&A Reports
	Monthly EM&A Report No. 99	11 Dec 2020
Condition 3.4	Monthly Operational Airborne Rail Noise Monitoring Report (Festival City) No. 1-6	Reported in previous Monthly EM&A Reports

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**Appendix A**

**Monthly EM&A Report for  
SCL (TAW-HUH) and SCL(MKK-HUH) –  
Tree Planting Works at Kai Tak Station Square**

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MTR Corporation Limited  
**SCL (TAW-HUH) and SCL  
(MKK-HUH) – Tree Planting  
Works at Kai Tak Station Square**  
Monthly Environmental Monitoring  
and Audit Report – Dec 2021

December 2021







## Executive Summary

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This is the one hundredth Environmental Monitoring and Audit (EM&A) report for the Project Shatin to Central Link. After the suspension of EM&A after all the major construction works were completed, remaining landscaping works at Kai Tak Station Square (Phase 1) have been completed in the month of Dec 2021. This report presents the results of EM&A works conducted in the reporting month.

In the reporting month, the following activities took place for the Project:

- Landscaping works at Kai Tak Station Square

The implementation of the environmental mitigation measures, Event and Action Plans and environmental complaint handling procedures were checked.

### **Environmental Monitoring Works – Breaches of Action and Limit Levels**

#### ***Landscape and Visual Audit***

Bi-weekly inspection for landscape and visual mitigation measures have been conducted at Kai Tak Station Square on 13 Dec and 22 Dec 2021, and IEC audit was conducted on 30 Dec 2021. No adverse observations for landscape and visual were recorded.

#### **Complaint Log**

No complaint was received during the reporting period.

#### **Notifications of Summons and Successful Prosecutions**

No summons or prosecution related to the environmental issues were made against the Project in the reporting period.

#### **Reporting Changes**

There were no reporting changes during the reporting month.

#### **Future Key Issues**

All EM&A works at Kai Tak Station Square (Phase 1) have been completed by end of Dec 2021. Therefore, no future environmental issues are anticipated.





## 2 Implementation Status

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### 2.1 Implementation Status of Mitigation Measures

During bi-weekly site inspections, the environmental protection, and pollution control/mitigation measures in accordance with the requirements stipulated in the EIA were observed.

### 2.2 Updated Implementation Schedule

According to the Environmental Permit, the mitigation measures detailed in the permits are required to be implemented. The Implementation Schedule of Mitigation Measures was inspected during the bi-weekly site inspections in reporting month. An updated summary of the Implementation Schedule of Mitigation Measures is presented in **Appendix A**.

## 3 Landscape and Visual Monitoring

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### 3.1 Introduction

In accordance with the EM&A Manual, the landscape and visual mitigation measures shall be implemented and a site inspection shall be conducted once every two weeks throughout the construction period. The event and action plan is provided in **Appendix B**.

### 3.2 Mitigation Measures

Bi-weekly inspection of the implementation of landscape and visual mitigation measures were conducted at Kai Tak during the reporting month on 13 Dec and 29 Dec 2021. No adverse impacts were identified with regards to landscape and visual.

## 4 Environmental Performance

### 4.1 Summary of Environmental Complaint

No environmental complaint was recorded in the reporting month. The updated statistical summary of complaint is presented in **Table 4.1**.

**Table 4.1** Summary of Complaints

Reporting Period	Complaint Statistics	
	Number	Cumulative
1 Dec 2021 to 31 Dec 2021	0	0

### 4.2 Summary of Environmental Non-Compliance

There was no non-compliance identified during the reporting month so review of the non-compliance was not required.

### 4.3 Summary of Environmental Summon and Successful Prosecution

No summons of prosecutions related to environmental issues were received or made against the project in the reporting month.





## 6 Reference

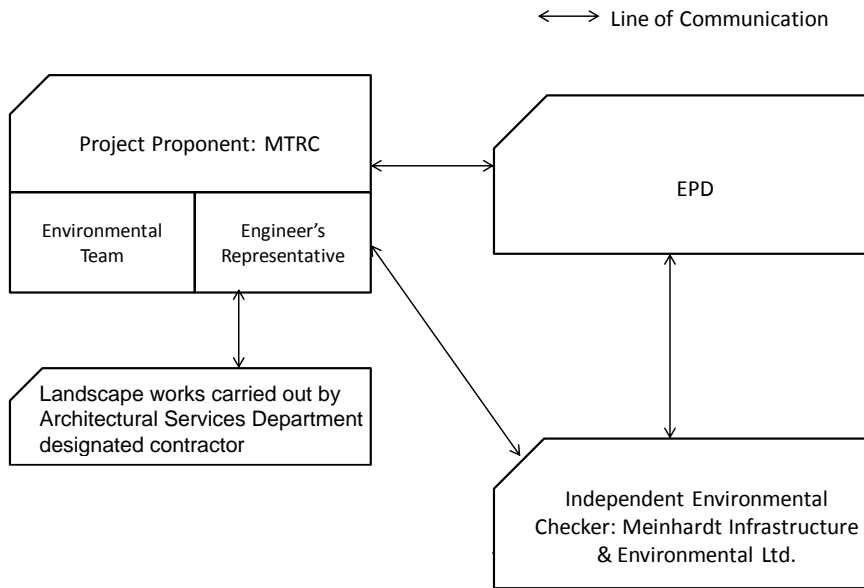
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- (1) MTR Corporation Limited. SCL – NEX/2206 EIA Study for Tai Wai to Hung Hom Section. Final Environmental Impact Assessment Report. October 2011.
- (2) MTR Corporation Limited. SCL – NEX/2206 EIA Study for Tai Wai to Hung Hom Section. Environmental Monitoring and Audit Manual. October 2011.
- (3) MTR Corporation Limited. SCL – NEX/2206 EIA Study for Stabling Sidings at Hung Hom Freight Yard. Final Environmental Impact Assessment Report. October 2011.
- (4) MTR Corporation Limited. SCL - NEX/2206 EIA Study for Stabling Sidings at Hung Hom Freight Yard. Environmental Monitoring and Audit Manual. October 2011.

## Figures

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**Figure 1.1 - Project Organisation for Environmental Works**



## Appendix A

Environmental  
Mitigation  
Implementation  
Schedule (EMIS)

## Environmental Mitigation Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
<b><i>Landscape and Visual (Construction Phase)</i></b>							
S6.9.3	LV1	<p>The following good site practices and measures for minimisation and avoidance of potential impacts are recommended:</p> <p><u>Re-use of Existing Soil</u></p> <ul style="list-style-type: none"> <li>For soil conservation, existing topsoil shall be re-used where possible for new planting areas within the project. The construction program shall consider using the soil removed from one phase for backfilling another. Suitable storage ground, gathering ground and mixing ground may be set up on-site as necessary.</li> </ul> <p><u>No-intrusion Zone</u></p> <ul style="list-style-type: none"> <li>To maximize protection to existing trees, ground vegetation and the associated under storey habitats, construction contracts may designate "No-intrusion Zone" to various areas within the site boundary with rigid and durable fencing for each individual no-intrusion zone. The contractor should closely monitor and restrict the site working staff from entering the "no-intrusion zone", even for indirect construction activities and storage of equipment.</li> </ul> <p><u>Protection of Retained Trees</u></p> <ul style="list-style-type: none"> <li>All retained trees should be recorded photographically at the commencement of the Contract, and carefully protected during the construction period. Detailed tree protection specification shall be allowed and included in the Contract Specification, which specifying the tree protection requirement, submission and approval system, and the tree monitoring system.</li> <li>The Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees</li> </ul>	Minimize visual & landscape impact	Within Project Site	Construction stage	TM-EIAO	<p style="text-align: right;">✓</p> <p style="text-align: right;">✓</p> <p style="text-align: right;">✓</p> <p style="text-align: right;">✓</p>

Notes (\*): ✓ - Compliance; N/A – Not Applicable; N/O – Not Observed; Rdr – Reminder; Obs – Observation; N/C – Non Compliance

### Environmental Mitigation Implementation Schedule

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Location of the measures	When to implement the measures?	What requirements or standards for the measures to achieve?	Implementation Status
		prior to undertaking any works adjacent to all retained trees, including trees in contractor's works sites.					
S6.12	LV2	<ul style="list-style-type: none"> <li>• <u>Decorative Hoarding</u> Erection of decorative screen during construction stage to screen off undesirable views of the construction site for visual and landscape sensitive areas. Hoarding should be designed to be compatible with the existing urban context.</li> <li>• <u>Management of facilities on work sites</u> To provide proper management of the facilities on the sites, give control on the height and disposition/ arrangement of all facilities on the works site to minimize visual impact to adjacent VSRs.</li> <li>• <u>Tree Transplanting</u> Trees of high to medium survival rate would be affected by the works shall be transplanted where possible and practicable. Tree transplanting proposal including final location for transplanted trees shall be submitted separately to seek relevant government department's approval, in accordance with ETWB TCW No 3/2006.</li> </ul>	Minimize visual & landscape impact	Within Project Site	Detailed design and construction stage	EIAO – TM ETWB TCW 2/2004 ETWB TCW 3/2006	   ✓   ✓   ✓

Notes (\*): ✓ - Compliance; N/A – Not Applicable; N/O – Not Observed; Rdr – Reminder; Obs – Observation; N/C – Non Compliance

## Appendix B

Event/Action Plan for  
Landscape and Visual



**Event / Action Plan for Landscape and Visual**

Action Level	ET	IEC	ER	Contractor
Non-conformity on one occasion	<ol style="list-style-type: none"> <li>1. Inform the Contractor, the IEC and the ER</li> <li>2. Discuss remedial actions with the IEC, the ER and the Contractor</li> <li>3. Monitor remedial actions until rectification has been completed</li> </ol>	<ol style="list-style-type: none"> <li>1. Check inspection report</li> <li>2. Check the Contractor's working method</li> <li>3. Discuss with the ET, ER and the Contractor on possible remedial measures</li> <li>4. Advise the ER on effectiveness of proposed remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of non-conformity in writing</li> <li>2. Review and agree on the remedial measures proposed by the Contractor</li> <li>3. Supervise implementation of remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>1. Identify Source and investigate the non-conformity</li> <li>2. Implement remedial measures</li> <li>3. Amend working methods agreed with the ER as appropriate</li> <li>4. Rectify damage and undertake any necessary replacement</li> </ol>
Repeated Non-conformity	<ol style="list-style-type: none"> <li>1. Identify Source</li> <li>2. Inform the Contractor, the IEC and the ER</li> <li>3. Increase inspection frequency</li> <li>4. Discuss remedial actions with the IEC, the ER and the Contractor</li> <li>5. Monitor remedial actions until rectification has been completed</li> <li>6. If non-conformity stops, cease additional monitoring</li> </ol>	<ol style="list-style-type: none"> <li>1. Check inspection report</li> <li>2. Check the Contractor's working method</li> <li>3. Discuss with the ET and the Contractor on possible remedial measures</li> <li>4. Advise the ER on effectiveness of proposed remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify the Contractor</li> <li>2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented</li> <li>3. Supervise implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Identify Source and investigate the non-conformity</li> <li>2. Implement remedial measures</li> <li>3. Amend working methods agreed with the ER as appropriate</li> <li>4. Rectify damage and undertake any necessary replacement. Stop relevant portion of works as determined by the ER until the non-conformity is abated.</li> </ol>

Note:

ET – Environmental Team

IEC – Independent Environmental Checker

ER – Engineer's Representative