



**CONTRACT NO: HK/2015/01**

**WANCHAI DEVELOPMENT PHASE II AND CENTRAL  
WANCHAI BYPASS  
SAMPLING, FIELD MEASUREMENT AND TESTING WORK  
(STAGE 3)**

**ENVIRONMENTAL PERMIT NO. EP-364/2009/E,  
FURTHER ENVIRONMENTAL PERMIT NOS. FEP-01/364/2009,  
FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-  
07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B AND  
FEP-11/364/2009/B, FEP-12/364/2009/D**

**QUARTERLY ENVIRONMENTAL MONITORING  
AND AUDIT REPORT**

**- DECEMBER 2017 TO FEBRUARY 2018 -**

**CLIENTS:**

**Civil Engineering and Development  
Department**

**and**

**Highways Department**

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**CHECKED BY:**

Raymond Dai  
Environmental Team Leader

**DATE:**

11 May 2018

Ref.: AACWBIECEM00\_0\_10402L.18

14 May 2018

AECOM Asia Company Limited  
11/F Tower 2 Grand Central Plaza  
138 Shatin Rural Committee Road  
Shatin New Territories  
Hong Kong

By Post and Fax (2691 2649)

Attention: Mr. Conrad Ng

Dear Mr. Ng,

**Re: Contract No. HK/2015/01  
Wan Chai Development Phase II - Central-Wan Chai Bypass  
Sampling, Field Measurement and Testing Works (Stage 3)**

**Quarterly Environmental Monitoring and Audit Report (December 2017 to  
February 2018) for EP-364/2009/E**

Reference is made to the Environmental Team's submission of the captioned Quarterly Environmental Monitoring and Audit (EM&A) Report received by e-mail on 11 May 2018 for our review and comment.

Please be informed that we have no adverse comment on the captioned submission. We write to verify the captioned submission.

Thank you for your attention and please do not hesitate to contact the undersigned should you have any queries.

Yours sincerely,



David Yeung  
Independent Environmental Checker

c.c.	CEDD	Attn: Mr. Stephen Lo	by fax: 2577 5040
	Lam	Attn: Mr. Raymond Dai	by fax: 2882 3331
	AECOM	Attn: Mr. Francis Leong / Stephen Lai	by fax: 2691 2649

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## EXECUTIVE SUMMARY

- i. This is the Environmental Monitoring and Audit (EM&A) Quarterly Report – [December 2017 to February 2018](#) specific for Environmental Permit no. EP-364/2009/E, Further Environmental Permit nos. FEP-01/364/2009, FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/, FEP-11/364/2009/B and FEP-12/364/2009/D. The EM&A report is prepared by the Environmental Team (ET) employed under Contract No. HK/2011/07 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 2). This report presents the environmental monitoring findings and information recorded during the period from [27 December 2017 to 26 February 2018](#). The cut-off date of reporting is at 26th of each reporting quarter.

- ii. In the reporting period, the principal work activities of individual contracts are included as follows:

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) - Central Interchange under FEP-05/364/2009

Major construction activities for Contract no. HY/2009/18 have been commenced on 21 April 2011. During this reporting period, the principal work activities for Contract no. HY/2009/18 are summarized as below:

**Table I Principal Work Activities for Contract no. HY/2009/18**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Landscaping works</li> <li>Maintenance works</li> </ul>	<ul style="list-style-type: none"> <li>Landscaping works</li> <li>Maintenance works</li> </ul>	<ul style="list-style-type: none"> <li>Landscaping works</li> <li>Maintenance works</li> </ul>

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009

Major construction activities for Contract no. HK/2009/01 have been commenced on 25 August 2011. During this reporting period, the principal work activities are summarized as below:

**Table II Principal Work Activities for Contract no. HK/2009/01**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Reinstatement of amenity area</li> </ul>	<ul style="list-style-type: none"> <li>Reinstatement of amenity area</li> </ul>	<ul style="list-style-type: none"> <li>Reinstatement of amenity area</li> </ul>

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

Major construction activities for Contract no. HK/2009/02 have been commenced on 26 April 2011. During this reporting period, the principal work activities are summarized as below:

**Table III Principal Work Activities for Contract no. HK/2009/02**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Rectification works of the flooring under Temporary Covered Walkway and the floor inside rooms underneath staircase ST-01 and construction of EVA at Ferry Pier</li> <li>Construction of tunnel top slab and the associated backfilling works inside the access shaft at Tunnel Portion 2</li> <li>Remedial works at soffit of access shaft</li> <li>Remedial works inside tunnel</li> <li>Structural works and traffic diversion for Hung Hing Road Flyover approach ramp</li> <li>Removal of temporary Hung Hing Road Bridge</li> <li>Backfilling of South West corner on top of Tunnel</li> <li>Footpath adjacent Hung Hing Road Flyover Approach Ramp</li> <li>Preparation work for removal of TWCR4</li> <li>Backfilling of South West corner on top of Tunnel</li> <li>Submission of schedule of sea wall block</li> </ul>	<ul style="list-style-type: none"> <li>Construction of the remaining Type 4 Covered Walkway at West Wing</li> <li>Outstanding Works at Ferry Pier (Stage 1)</li> <li>Remedial works inside tunnel</li> <li>Backfilling of along Southern D-Wall on top of Tunnel</li> <li>Removal of temporary Hung Hing Road Bridge</li> <li>Removal of struts layer S1 &amp; S1A</li> <li>Footpath adjacent Hung Hing Road Flyover Approach Ramp</li> <li>Preparation work for removal of TWCR4</li> <li>Fabrication of sea wall block</li> <li>Remedial works inside tunnel</li> <li>Rectification of defect and outstanding works</li> <li>Construction of surface drain at WCR3</li> <li>Backfilling works up to updated finished level</li> <li>Remedial works for 0.5T rock armor</li> <li>Sewage works at Wan Shing Street</li> </ul>	<ul style="list-style-type: none"> <li>Outstanding Works at Ferry Pier (Stage 2)</li> <li>construction of permanent EVA adjacent to Wan Chai Ferry Pier</li> <li>Preparation for raising the vent shaft, water meters chambers and multi-part covers of P7, P8 and P9</li> <li>remedial works inside tunnel</li> <li>Removal of Temporary Bridges 1, 2 and 3</li> <li>Preparation work for removal of TWCR4</li> <li>Fabrication of seawall blocks</li> <li>Backfilling behind seawall block</li> <li>Formwork for Culvert O bay 15A base slab 2018.</li> <li>Steel fixing for Culvert O Bay 15A base slab</li> <li>Remedial works inside tunnel</li> <li>Rectification of defect and outstanding works were ongoing</li> <li>Construction of surface drain at WCR3 was completed on 12 February 2018.</li> <li>Preparation for installation of surface drain cover</li> <li>Remaining backfilling works at surface drain trench</li> <li>Remedial works for 0.5T</li> </ul>

<ul style="list-style-type: none"> <li>• Remedial works inside tunnel</li> <li>• Rectification of defect and outstanding works</li> <li>• Inspection of cross road ducts and drainages</li> <li>• Construction of corrosion monitoring system</li> <li>• Construction of DN900 storm water drainage pipe</li> <li>• Constriction of remaining WCR3 seawall coping</li> <li>• Construction of emergency vehicle access adjacent to Wan Chai Ferry Pier</li> <li>• Backfilling works up to updated finished level</li> <li>• Sewage works at Wan Shing Street</li> </ul>		<ul style="list-style-type: none"> <li>• rock armor</li> <li>• Sewage works at Wan Shing Street</li> </ul>
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Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

Major construction activities for Contract no. HY/2009/15 has been commenced on 13 July 2011. During this reporting period, the principal work activities are summarized as below:

**Table IV Principal Work Activities for Contract no. HY/2009/15**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Nil</li> </ul>	<ul style="list-style-type: none"> <li>• Nil</li> </ul>	<ul style="list-style-type: none"> <li>• Nil</li> </ul>



Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

Major construction activities for Contract no. HY/2009/19 have been commenced on March 2011. During this reporting period, the principal work activities are summarized as below:

**Table V Principal Work Activities for Contract no. HY/2009/19**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Approach ramp ELS and excavation works</li> <li>• Approach ramp structure Construction</li> <li>• Bridge Construction &amp; installation of enclosure.</li> <li>• Retaining wall construction.</li> <li>• FEHD Metal Roof Construction &amp; re-provision including drainage works</li> <li>• Pre-bored H-piles for Approach Ramp Phase 2 Construction</li> <li>• Hing Fat Street road and drainage works</li> <li>• Oil street drainage works</li> <li>• Installation of skin parapet on TB bridge at Pier 15-17</li> <li>• Landscape deck pile cap foundation works continues</li> </ul>	<ul style="list-style-type: none"> <li>• Approach ramp structure Construction.</li> <li>• Bridge Construction &amp; installation of enclosure.</li> <li>• Retaining wall construction.</li> <li>• FEHD Metal Roof Construction &amp; re-provision including drainage works.</li> <li>• Hing Fat Street road and drainage works.</li> <li>• Oil street drainage works.</li> <li>• Installation of skin parapet on TB bridge at Pier 15-17.</li> <li>• Landscape deck, column &amp; pile cap foundation works continues</li> </ul>	<ul style="list-style-type: none"> <li>• Approach ramp structure Construction.</li> <li>• Bridge Construction &amp; installation of enclosure.</li> <li>• Retaining wall construction.</li> <li>• FEHD depot re-provision works.</li> <li>• Oil street drainage works.</li> <li>• Installation of skin parapet on TB bridge at Pier 15-17.</li> <li>• Landscape deck, column &amp; pile cap foundation works.</li> <li>• Watson Road Watermains laying works.</li> <li>• EVA at EVB.</li> <li>• Hing Fat Street road and drainage works</li> </ul>

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B and FEP-12/364/2009/D

**Table VI Principal Work Activities for Contract no. HK/2012/08**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Construction of Slip Road 1</li> <li>• Construction of drainage</li> <li>• Asphalt paving</li> <li>• Sewer diversion</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Slip Road 1</li> <li>• Construction of drainage</li> <li>• Asphalt paving</li> <li>• Sewer diversion</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Slip Road 1</li> <li>• Construction of drainage</li> <li>• Asphalt paving</li> <li>• Sewer diversion</li> </ul>

Contract no. HY/2010/08 – Central and WanChai Bypass – Slip road 8 section under FEP-10/364/2009B

**Table VII Principal Work Activities for Contract no. HY/2010/08**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Tree protection works next to existing BGO,</li> <li>• Drainage improvement works,</li> <li>• Utility diversion works,</li> <li>• Retaining wall works</li> <li>• ELS works,</li> <li>• Construction works for subway extension</li> </ul>	<ul style="list-style-type: none"> <li>• Tree protection works next to existing BGO,</li> <li>• Drainage improvement works,</li> <li>• Utility diversion works,</li> <li>• Retaining wall works</li> <li>• ELS works,</li> <li>• Construction works for subway extension</li> </ul>	<ul style="list-style-type: none"> <li>• Tree protection works next to existing BGO,</li> <li>• Drainage improvement works,</li> <li>• Utility diversion works,</li> <li>• Retaining wall works</li> <li>• ELS works,</li> <li>• Construction works for subway extension</li> </ul>

Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

**Table VIII Principal Work Activities for Contract no. HY/2011/08**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building</li> <li>• Construction of Tunnel Thermal Barrier</li> <li>• Installation of Electricals and Mechanicals</li> <li>• Installation of Tunnel Features</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building</li> <li>• Construction of Tunnel Thermal Barrier</li> <li>• Installation of Electricals and Mechanicals</li> <li>• Installation of Tunnel Features</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building</li> <li>• Construction of Tunnel Thermal Barrier</li> <li>• Installation of Electricals and Mechanicals</li> <li>• Installation of Tunnel Features</li> </ul>

Noise Monitoring

- iii. Noise monitoring was conducted at M1a - Harbour Road Sports Center; M2b - Noon-day gun area; M3a - Tung Lo Wan Fire Station; M4b - Victoria Center; M5b - City Garden, M6 - HK Baptist Church Henrietta Secondary School, M7e and M7w – International Finance Centre eastern and western wing, and M8 – City Hall on a weekly basis.
- iv. With respect to the demolition of Ex-Harbour Road Sports Centre, the respective noise monitoring station M1a – Harbour Road Sports Centre were finely adjusted on 16 and 25 May 2017 and thereafter to the Footbridge for Harbour Road Sports for noise monitoring.
- v. Two limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 04 and 11 December 2017 and the exceedances were concluded as non-Project related.
- vi. Two limit level exceedances were recorded at M6 – HK Baptist Church Henrietta Secondary School on 08 and 20 December 2017. The exceedance recorded on 08 was concluded as non-Project related while the exceedance recorded on 20 December 2017 was concluded as Project related.
- vii. Three limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 29 December, 16 and 23 January 2018 and the exceedances were concluded as non-Project related.
- viii. One limit level exceedance was recorded at M1a – Footbridge for Harbour Road Sports Center on 02 February 2018 and the exceedance was concluded as non-Project related.

Real time Noise Monitoring

- ix. 24-hour real time noise monitoring was conducted at RTN1 - FEHD Hong Kong Transport Section Whitefield Depot for the pilling works in FEHD Whitfield Depot and RTN2 – Tunnel (North Point Section) and Island Eastern Corridor Link during the period from 28 September 2012 til 10am on 5 October 2012 in the reporting period.
- x. Real time noise monitoring station at Oil Street Community Liaison Centre (RTN2- Oil Street Community Centre) was relocated from Oil Street Community Liaison Centre to Hong Kong Electric (RTN2a- Electric Centre) on 5 Oct which is a representative of the noise sensitive receiver City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted in Electric Centre from 4 December 2009 to 17 December 2009.
- xi. As confirmed by CWB RSS, the IECL parapet removal operations will commence in March 2013. Liaison was conducted with HK Baptist Church Henrietta Secondary School and Po Leung Kuk Yu Lee Mo Fan Memorial School regarding the set up of RTN3 real time noise monitoring station. Po Leung Kuk Yu Lee Mo Fan Memorial School grant permission for set up on 4 Sep 2012 and station set up was performed on 14 Sep 2012.
- xii. Real Time Noise Monitoring at RTN3- Po Leung Kuk Yu Lee Mo Fan Memorial School was commenced since 06 Oct 2012.
- xiii. Causeway Bay Community Centre has granted permission for set up of real time noise monitoring station on 21 Dec 2012 and station set up was performed on 27 Dec 2012. The Baseline noise level of RTN4- Causeway Bay Community Centre will adopt the results from the baseline noise monitoring report for EP/364/2009 in 22 April 2010 in which approved by EPD.

- xiv. According to clause 3.1 stated in EP-364/2009B, “the real-time monitoring system shall be in place no later than two weeks before the commencement date of demolition works of the existing Island Eastern Corridor”. IEC demolition associated construction works was commenced on 3 Feb 2013 and Real time noise monitoring at RTN4-Causeway Bay Community Centre was commenced on 13 Jan 2013.
- xv. Real-time noise monitoring station RTN1-FEHD Whitfield Depot was finely adjusted from 2/F to roof-top at FEHD Whitfield Depot on 24 June 2013 with respect to the commencement of advance works for IEC parapet demolition.
- xvi. With respect to the non-CWB Project building construction at Oil Street, the real-time noise monitoring station RTN2a- Hong Kong Electric Centre was finely adjusted from Northeast Side to Northwestern side at Roof Top location.
- xvii. No limit level exceedance was recorded in December, January and February reporting month at RTN1- FEHD Hong Kong Transport Section Whitfield Depot during this reporting period.
- xviii. No limit level exceedance was recorded in December reporting month and no project related exceedance was recorded in January and February reporting period at RTN2a-Hong Kong Electric Centre during this reporting period.
- xix. No limit level exceedance was recorded in December reporting period at RTN3-Yu Lee Mo Fan Memorial School during this reporting period. One project related exceedance was recorded at RTN3 – Yu Lee Mo Fan Memorial School on 03 January 2018 and other non-exceedances were recorded in the reporting period were concluded as non-Project related and non-Project related exceedances were recorded at RTN3 – Yu Lee Mo Fan Memorial School in February during this reporting period.
- xx. No limit level related exceedance was recorded in December, January and February reporting period at RTN4- Causeway Bay Community Centre in the reporting period.

#### Air Quality Monitoring

- xxi. Due to extension of site boundary by contractor of HY/2009/19, location of air quality monitoring station CMA1b – Oil Street Community Liaison Centre has been finely adjusted on 21 April 2012.
- xxii. With respect to the proposed demolition of eastern podium of Oil Street Site Office, the respective air quality monitoring station CMA1b – Oil Street Site Office was finely adjusted from East podium of the Oil Street Site Office to the West podium of the Oil Street Site Office on 21 December 2016.
- xxiii. With respect to the proposed demolition of the Oil Street Site Office, the respective air quality monitoring station CMA1b – Oil Street Site Office was finely adjusted from the Oil Street Site Office to Harbor Grand Hotel Boundary Wall from 05 June 2017 onwards.
- xxiv. 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted at CMA1b - Harbor Grand Hotel Boundary Wall; CMA2a - Causeway Bay Community Center; CMA3a - CWB PRE Site Office Area; CMA4a – Society for the Prevention of Cruelty to Animals; CMA5b – Pedestrian Plaza; MA1e and MA1w – International Finance Centre eastern and western wing on every six days basis.
- xxv. One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 23 December 2017.

- xxvi. One 24hr TSP action level exceedance and one 1hr TSP action level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively in the reporting month and the exceedance was concluded as non-Project related.
- xxvii. One 1hr TSP action level exceedance were recorded at CMA5b – Pedestrian Plaza on 29 December 2017 in the reporting month and the exceedance was concluded as non-Project related.

#### Complaints, Notifications of Summons and Successful Prosecutions

- xxviii. Four environmental complaints were received in the reporting period.
- xxix. First EPD complaint was referred to the ET on 14 December 2017 (CASE Ref: H05/RS/39721-17). The complainant reported that construction dust was generated from rock breaking activities of a construction site near the HKCEC and Wanchai Pier on 08 December 2017 (0815hrs), causing nuisance.

ET confirmed with the Resident Site Staff that breaking works and backfilling works were conducted under Contract HK/2009/02 at Portion 5 (Site Area near Wanchai Ferry Pier) on 08 December 2017 around 0815hrs and mitigation measure including water spraying was provided for the breaking works. According to the RSS site information, breaking works and backfilling works were conducted under Contract HK/2009/02 at Portion 5 (Site Area near Wanchai Ferry Pier) on 08 December 2017 around 0815hrs and mitigation measure including water spraying was provided for the breaking works. Follow up inspection was conducted on 19 December 2017, ground compaction and intermittent breaking works was observed while dust suppression was observed implemented at intervals under Contractor of HK/2009/02 while no particular dust emission was observed from the above works.

Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded that adequate dust suppression measure shall be provided for breaking works and dusty surface to avoid dust emission and minimize any potential dust impact to the surroundings. The Contractor of HK/2009/02 is also recommended to arrange the breaking works, if any, to be conducted collectively at specified location to enhance the overall site control and effectiveness of dust suppression measure. The Contractor is also recommended to review the use of water truck or automatic water spraying system to enhance the overall dust suppression effectiveness.

- xxx. Second EPD complaint (Case ref: H08/RS/00000972-18) was referred to the ET on 11 January 2018. The complainant reported that night time construction noise after 7 pm on 08 January 2018 near North Point New Reclamation Area, Oil Street, North Point.

ET confirmed with the Resident Site Staff that no construction works was conducted under Contract HY/2011/08 on 08 January 2018 from 1900hrs to 2300hrs at the concerned location. Concreting operation was conducted under Contract HY/2009/19 at Approach Ramp Phase 2 site area at Oil Street on 08 January 2018 from 1900hrs to 2030hrs. Total 1 no. of concrete truck, 1 no. of concrete pump and 2 nos. of vibratory pokers were in operation.

According to RSS confirmed information, no construction works was conducted under Contract HY/2011/08 on 08 January 2018 from 1900hrs to 2300hrs at the concerned location. Meanwhile, concreting operation was conducted under Contract HY/2009/19 at Approach Ramp Phase 2 site area at Oil Street on 08 January 2018 from 1900hrs to 2300hrs. Total 1 no. of concrete truck, 1 no. of concrete pump and 2 nos. of vibratory pokers were operated without a valid Construction Noise Permit.

In view of the above, the Contractor of HY/2009/19 was advised to i) fully review the Construction Noise Permit(s) in force and the tentative construction operations to ensure all construction operations during restricted hours strictly complies with the Construction Noise Permit and Noise Control Ordinance, ii) review the site control system for construction works during restricted hours and tighten the site supervision to ensure site compliance; iii) review the planned construction sequence and schedule to ensure all planned construction operations would be conducted within allowable period, shall any planned construction activities might extend beyond the specified allowed period, relevant necessary Construction Noise Permit(s) shall be applied for. In addition, the Contractor of HY/2009/19 is also recommended to provide briefing and training session to site staffs to enhance the site awareness and understanding on relevant construction noise permit(s) requirement during restricted hours. Follow up inspection during restricted hours was conducted by the Environmental Team on 18 January 2018, no construction operations was observed around the concerned location

- xxxi. Third EPD complaint (Case ref: H08/RS/00001430-18) was referred to the ET on 17 January 2018. The complainant reported that construction dust was emitted from vehicles entering/leaving construction site at 2-8 Watson Road.

ET confirmed with the Resident Site Staff that cable laying was conducted under Contract HY/2011/08 within the site area near Watson Road on 15 January 2018.

No construction works was conducted under Contract HY/2009/19 near Watson Road on 15 January 2018.

According to site information confirmed by RSS, cable laying was conducted under Contract HY/2011/08 within the site area near Watson Road on 15 January 2018 and no construction works was conducted under Contract HY/2009/19 near Watson Road on 15 January 2018. Based on review on relevant information, the concerned location of 2 – 8 Watson Road refers to a section of public road fronting the construction site entrance/ exit maintained by Contract HY/2009/19 at Watson Road.

Follow up inspection was conducted by the Environmental Team on 17 January 2018. It was observed that wheel washing facilities and wheel washing for vehicles leaving from the construction site exit adjoining Watson Road was implemented by the Contractor HY/2009/19. No silt / soil deposition and no particular dust emission from the construction area under Contract HY/2009/19 and HY/2011/08 was observed. Separately, it was observed that non-CWB project construction waste skip containing dusty demolition waste and rubbles was

placed at the concerned section of public road at 2 – 8 Watson Road and it was further noticed that non-CWB project construction area demarcation material was stored at 2-8 Watson road suggesting other non-CWB Projects had been undertaken around the concerned location. Nevertheless, in view of the public concern, the Contractor of HY/2011/08 and the Contractor of HY/2009/19 were reminded to maintain the dust mitigation measures provided for the construction site and construction operation to avoid potential dust impact to the surroundings. The Contractor of HY/2009/19 was also reminded to upkeep the construction site exit control and wheel washing practice to maintain the proper condition of site entrance to avoid potential dust impact to the nearby public area.

- xxxii. Forth ICC complaint referred by RSS was received by ET on 06 February 2018 (CASE#2-4459226093). The complainant reported that there is concern on an observed severely tilted tree with potential felling hazard. No fencing, no tree pit, trench and no irrigation pipe is observed.
- xxxiii. ET confirmed with the Resident Site Staff that the concerned tree is within the works area of HY/2010/08 and one of the roots of the concerned tree (*Liquidambar formosana*) to have suffered minor damaged by the nearby excavation works. Remedial works including i) nylon reinforcement ropes has been added to the existing 3 nos. of tying cables and covering of the slope surface with wet hessian for protection were carried out for the damaged root of the tree.
- xxxiv. In view of the nearby construction works, the Contractor is suggested to demarcate the tree protection zone for the concerned tree and fence off the tree protection zone to avoid further damage and placing of construction material, if feasible. The Contractor is also suggested to provide refreshment training for frontline works for tree protection, in particular, for trees retained of site in close proximity to active works front to avoid potential damage to retained trees.
- xxxv. Two Summons to Defendant were issued to the Contractors of Contract HY/2009/19 in the January reporting month.
- xxxvi. The First Summons to Defendant was issued to the Contractors of Contract HY/2009/19 on 29 December 2017 regarding the discharge matter namely not unpolluted water into a communal drain in a water control zone namely Victoria Harbour Water Control Zone (Phase 3) which is contrary to section 9(1) and section 11(1) of Water Pollution Control Ordinance, Cap.358.
- xxxvii. The Second Summons to defendant was issued to the Contractors of Contract HY/2009/19 on 24 January 2018 regarding the contravene of the provision of the licence, numbered WT00025282-2016 granted on 15/09/2016 under the Water Pollution Control Ordinance, Cap 358, namely by making a discharge of which the suspended solids exceed the limit stated in the table in condition B1 of the said licence, the purpose of which was as specified in Regulation 17B(2) (a) of the water Pollution Control (General) Regulations, Cap 358.



**Lam Geotechnics Limited**

Contract No. HK/2015/01  
Wanchai Development Phase II and Central Wanchai Bypass  
- Sampling, Field Measurement and Testing Works (Stage 3)  
Quarterly EM&A Report (December 2017 to February 2018)



## 1. INTRODUCTION

### 1.1 Scope of the Report

- 1.1.1. Lam Geotechnics Limited (LGL) has been appointed to work as the Environmental Team (ET) under Environmental Permit no. EP-364/2009/E and Further Environmental permit nos. FEP-01/364/2009, FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B, FEP-11/364/2009/B and FEP-12/364/2009/D to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) and in the EM&A Manual of the approved EIA Report for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001).
- 1.1.2. This report presents the environmental monitoring and auditing work carried out in accordance to the Section 10.3 of EM&A Manual and “*Environmental Monitoring and Audit Requirements*” under Particular Specification Section 27.
- 1.1.3. This report documents the finding of EM&A works during the period from [27 December 2017](#) to [26 February 2018](#).

### 1.2 Structure of the Report

- Section 1**      ***Introduction*** – details the scope and structure of the report.
- Section 2**      ***Project Background*** – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.
- Section 3**      ***Monitoring Requirements*** – summarizes all monitoring parameters, monitoring locations, monitoring frequency, duration and action plan.
- Section 4**      ***Monitoring Results*** – summarizes the monitoring results obtained in the reporting period.
- Section 5**      ***Compliance Audit*** – summarizes the auditing of monitoring results, all exceedances environmental parameters.
- Section 6**      ***Complaints, Notification of summons and Prosecution*** – summarizes the cumulative statistics on complaints, notification of summons and prosecution
- Section 7**      ***Cumulative Construction Impact due to the Concurrent Projects*** – summarizes the relevant cumulative construction impact due to the concurrent activities of the concurrent Projects.
- Section 8**      ***Conclusion***

## **2. PROJECT BACKGROUND**

### **2.1 Background**

2.1.1. “Wan Chai Development phase II and Central-Wan Chai Bypass” and “Central-Wan Chai Bypass and Island Eastern Corridor Link” (hereafter called “the Project”) are Designed Project (DP) under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). The Environmental Impact Assessment (EIA) Reports for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001) and Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) have been approved on 31 August 2001 and 11 December 2008 respectively.

2.1.2. The key purpose of Wan Chai Development Phase II (WDII) is to provide land at Wan Chai North and North Point for construction of the Central-Wan Chai Bypass and Island Eastern Corridor Link (CWB). Land formed under the project will be developed as a world-class waterfront promenade joining that at the new Central waterfront for public enjoyment.

2.1.3. There is a compelling and present need for the CWB to provide relief to the very congested east-west Connaught Road Central/Harcourt Road / Gloucester Road Corridor (the Corridor) which is currently operating beyond its capacity. The CWB will provide relief to the existing congestion along the Corridor and cater for the anticipated growth of traffic on Hong Kong Island. Without the CWB and its access roads, there will not be sufficient capacity to serve the heavy traffic demands at both strategic and local levels.

### **2.2 Scope of the Project and Site Description**

2.2.1. Design and Construction of Central – Wan Chai Bypass and Island Eastern Corridor Link under the Project involves the construction and operation of a trunk road and its road tunnel more than 800m in length between portals that is shown at [Figure 2.1](#).

2.2.2. The study area encompasses existing developments from Central to North Point. The scope of the Central-Wanchai Bypass (CWB) and Island Eastern Corridor Link (IECL) includes:

- A dual three-lane trunk road, approximately 4.5 km in length, and tunnel approximately 3.7 km in length defined from the connection with the existing Rumsey Street Flyover in Central, through to a connection with the existing Island Eastern Corridor to the east of the Causeway Bay Typhoon Shelter (CBTS);
- The Central Interchange near the Rumsey Street Flyover to provide road connections to the Central area;
- Tunnel control buildings and ventilation buildings;
- Slip roads to connect the CWB to the local road system in the Wan Chai North and Causeway Bay area;
- Associated road lighting, road signing, traffic control and surveillance system; and
- Other associated works.

2.2.3. The project also contains various Schedule 2 DPs that, under the EIAO, require Environmental Permits (EPs) to be granted by the DEP before they may be either constructed or operated. **Table 2.1** summarises the five individual DPs under this Project. [Figure 2.1](#) shows the locations of these Schedule 2 DPs.

**Table 2.1 Schedule 2 Designated Projects under this Project**

Item	Designated Project	EIAO Reference	Reason for inclusion
DP1	Central-Wanchai Bypass (CWB) including its road tunnel and slip roads	Schedule 2, Part I, A.1 and A.7	Trunk road and road tunnel more than 800 m in length
DP2	Road P2 and other roads which are classified as primary/district distributor roads	Schedule 2, Part I, A.1	Primary / district distributor roads
DP3	Reclamation works including associated dredging works	Schedule 2, Part I, C.1 and C.12	Reclamation more than 5 ha in size and a dredging operation less than 100 m from a seawater intake point
DP5	Wan Chai East Sewage Outfall	Schedule 2, Part I, F.5 and F.6	Submarine sewage pipelines with a total diameter more than 1,200 mm and include a submarine sewage outfall
DP6	Dredging for the Cross-harbour Water Mains from Wan Chai to Tsim Sha Tsui	Schedule 2, Part I, C.12	A dredging operation less than 100 m from a seawater intake point

## 2.3 Division of the Project Responsibility

2.3.1. Due to the multi-contract nature of the Project, there are a number of contracts sub-dividing the whole works area into different work areas to be commenced. Contractors of individual contracts will be required by the EP holder to apply Further Environmental Permits such that the impact monitoring stations are sub-divided accordingly to facilitate the implementation of EM&A programme and to streamline the EM&A reporting for individual FEP holders correspondingly.

2.3.2. In the reporting period, the following construction Contracts were on-going and Contract HY/2009/17, 04/HY/2006, HY/2009/15 and HK/2010/06 had been completed. The details of individual contracts are summarized in [Table 2.2](#).

**Table 2.2 Details of Individual Contracts under the Project**

Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
HY/2009/17	Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works.	DP1	5 October 2010 (Completed)
HY/2009/18	Central – Wan Chai Bypass (CWB) – Central Interchange	DP1	21 April 2011
04/HY/2006	Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street	DP1	September 2010 (Completed)
HK/2009/01	Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong	DP1, DP2	25 August 2011

Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
	Kong Convention and Exhibition Centre – Tunnel Works		
HK/2009/02	Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel)	DP1	26 April 2011
HY/2009/15	Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)	DP1	13 July 2011 (Completed)
HY/2009/19	Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link	DP1	24 March 2011
HK/2010/06	Wan Chai Development Phase II- Central-Wan Chai Bypass over MTR Tsuen Wan Line	DP3	22 March 2011 (Completed)
HK/2012/08	Wan Chai Development Phase II- Central-Wan Chai Bypass at Wan Chai West	DP1, DP2, DP3	10 March 2014
HY/2010/08	Central- Wanchai Bypass Tunnel – Tunnel (Slip Road 8)	DP1, DP2, DP3	21 March 2013
HY/2011/08	Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning	DP1	8 October 2014

- 2.3.3. The construction works of Contract no. 04/HY/2006 – Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street under FEP-04/364/2009/A was completed, and the FEP was surrendered by the Contractor on 11 February 2011.
- 2.3.4. Construction of bored pile E3B under HY/2009/17 was confirmed completed and the respective work area under FEP-03/364/2009 was handover and inspected under HY/2009/19 from 19 Dec 2012 onwards. Subsequently, the FEP-03/364/2009 was surrendered by the Contractor on 28 March 2013.
- 2.3.5. Construction works under HK/2010/06 was confirmed completed and the respective work area under FEP-08/364/2009/A was handover and inspected under HK/2012/08 from 22 Sep 2014 onwards. Subsequently, the FEP-08/364/2009/A was surrendered by the Contractor on 3 October 2014.
- 2.3.6. The Construction works under HY/2009/15 was confirm completed by the RSS from 27 October 2017 onwards. The weekly site audit inspection for HY/2009/15 was suspended from 27 October 2017 onwards.

## 2.4 Project Organization and Contact Personnel

- 2.4.1. Civil Engineering and Development Department and Highways Department are the overall project controllers for the Wan Chai Development Phase II and Central-Wan Chai Bypass respectively. For the construction phase of the Project, Project Engineer, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.
- 2.4.2. The proposed project organization and lines of communication with respect to environmental protection works are shown in [Figure 2.2](#). Key personnel and contact particulars are summarized in **Table 2.3**.

**Table 2.3 Contact Details of Key Personnel**

Party	Role	Post	Name	Contact No.	Contact Fax
AECOM	Engineer's Representative for WDII	Principal Resident Engineer	Mr. Frankie Fan	2587 1778	2587 1877
	Engineer's Representative for CWB	Principal Resident Engineer	Mr. Peter Poon	3916 1818	3529 2829
Chun Wo – Leader Joint Venture	Contractor under Contract no. HK/2009/01	Project Manager	Mr. Simon Liu	9304 8355	2634 1626
		Environmental Officer	Mr. Terry Tsang	6683 9394	
Chun Wo – CRGL Joint Venture	Contractor under Contract no. HK/2009/02	Site Agent	Mr. Paul Yu	3658-3002	2827 9996
		Environmental Officer	Mr. C.P. Ho	9191 8856	
Chun Wo - CRGL - MBEC Joint Venture	Contractor under Contract no. HY/2009/19	Project Manager	Mr. Rayland Lee	3758 8879	2570 8013
		Deputy Project Manager	Mr. William Luk	9456 9819	
		Site Agent	Mr. David Lau	3758 8879	
		Deputy Site Agent	Mr. Eric Fong	6191 9337	
		Environmental Manager / Environmental Officer	Mr. M.H. Isa	3757 8218	
		Assistant Environmental Officer	Mr. James Chan	3757 8217	
Leighton Contractors (Asia) Limited	Contractor under Contract no. HY/2009/18	Site Agent	Mr. Jimmy Chu	2214 7700	2140 6799
		Environmental Supervisor	Ms. Penny Yiu	3937 1065	
China State Construction Engineering (HK) Ltd.	Contractor under Contract no. HY/2009/15	Contractor's Representative	Mr. Rex Chan	3557 6371	2566 2192
		Environmental Officer	Mr. Desmond Ho	3557 6215	

Party	Role	Post	Name	Contact No.	Contact Fax
China State-Leader JV	Contractor under Contract no. HK/2012/08	Project Director	Mr. C.N. Lai	9137 1811	2877 1522
		Site Agent	Mr. George Cheung	9268 1918	
		Environmental Officer	Mr. James MA	9130 9549	
China State	Contractor under Contract no. HY/2010/08	Project Director	Chris Leung	9210 7116	3465 2899
		Site Agent	Mr. Thomas Lui	3557 6407	
		Environmental Officer	Mr. Gabriel Wong	3557 6466	
Leighton Joint Venture	Contractor under Contract no. HY/2011/08	Site Agent	Mr. Colman Wong	2823 1410	21406799
		Environmental Officer	Mr. Chris Chan	3973 0850	
		Environmental Supervisor	Ms. Penny Yiu	3973 1065	
Lam Geotechnics Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939	2882 3331
RAMBOLL Hong Kong Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Mr. David Yeung	3465 2888	3465 2899

## 2.5 Principal Work and Activities

2.5.1. Major construction activities for Contract no. HY/2009/18 have been commenced on 21 April 2011. During this reporting period, the principal work activities for Contract no. HY/2009/18 are summarized in **Table2.4**:

**Table 2.4 Principal Work Activities for Contract no. HY/2009/18**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Landscaping works</li> <li>Maintenance works</li> </ul>	<ul style="list-style-type: none"> <li>Landscaping works</li> <li>Maintenance works</li> </ul>	<ul style="list-style-type: none"> <li>Landscaping works</li> <li>Maintenance works</li> </ul>

2.5.2. Major construction activities for Contract no. HK/2009/01 have been commenced on 25 August 2011. During this reporting period, the principal work activities are summarized in **Table2.5**:

**Table 2.5 Principal Work Activities for Contract no. HK/2009/01**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Reinstatement of amenity area</li> </ul>	<ul style="list-style-type: none"> <li>Reinstatement of amenity area</li> </ul>	<ul style="list-style-type: none"> <li>Reinstatement of amenity area</li> </ul>

2.5.3. Major construction activities for Contract no. HK/2009/02 have been commenced on 26 April 2011. During this reporting period, the principal work activities are summarized in **Table2.6**:

**Table 2.6 Principal Work Activities for Contract no. HK/2009/02**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Rectification works of the flooring under Temporary Covered Walkway and the floor inside rooms underneath staircase ST-01 and construction of EVA at Ferry Pier</li> <li>Construction of tunnel top slab and the associated backfilling works inside the access shaft at Tunnel Portion 2</li> <li>Remedial works at soffit of access shaft</li> <li>Remedial works inside tunnel</li> <li>Structural works and traffic diversion for Hung Hing Road Flyover approach ramp</li> <li>Removal of temporary Hung Hing Road Bridge</li> <li>Backfilling of South West corner on top of Tunnel</li> <li>Footpath adjacent Hung Hing Road Flyover Approach Ramp</li> <li>Preparation work for removal of TWCR4</li> <li>Backfilling of South West corner on top of Tunnel</li> <li>Submission of schedule of sea wall block</li> <li>Remedial works inside tunnel</li> <li>Rectification of defect and outstanding works</li> <li>Inspection of cross road ducts and drainages</li> <li>Construction of corrosion monitoring system</li> <li>Construction of DN900 storm water drainage pipe</li> <li>Constriction of remaining</li> </ul>	<ul style="list-style-type: none"> <li>Construction of the remaining Type 4 Covered Walkway at West Wing</li> <li>Outstanding Works at Ferry Pier (Stage 1)</li> <li>Remedial works inside tunnel</li> <li>Backfilling of along Southern D-Wall on top of Tunnel</li> <li>Removal of temporary Hung Hing Road Bridge</li> <li>Removal of struts layer S1 &amp; S1A</li> <li>Footpath adjacent Hung Hing Road Flyover Approach Ramp</li> <li>Preparation work for removal of TWCR4</li> <li>Fabrication of sea wall block</li> <li>Remedial works inside tunnel</li> <li>Rectification of defect and outstanding works</li> <li>Construction of surface drain at WCR3</li> <li>Backfilling works up to updated finished level</li> <li>Remedial works for 0.5T rock armor</li> <li>Sewage works at Wan Shing Street</li> </ul>	<ul style="list-style-type: none"> <li>Outstanding Works at Ferry Pier (Stage 2)</li> <li>construction of permanent EVA adjacent to Wan Chai Ferry Pier</li> <li>Preparation for raising the vent shaft, water meters chambers and multi-part covers of P7, P8 and P9</li> <li>remedial works inside tunnel</li> <li>Removal of Temporary Bridges 1, 2 and 3</li> <li>Preparation work for removal of TWCR4</li> <li>Fabrication of seawall blocks</li> <li>Backfilling behind seawall block</li> <li>Formwork for Culvert O bay 15A base slab 2018.</li> <li>Steel fixing for Culvert O Bay 15A base slab</li> <li>Remedial works inside tunnel</li> <li>Rectification of defect and outstanding works were ongoing</li> <li>Construction of surface drain at WCR3 was completed on 12 February 2018.</li> <li>Preparation for installation of surface drain cover</li> <li>Remaining backfilling works at surface drain trench</li> <li>Remedial works for 0.5T rock armor</li> <li>Sewage works at Wan Shing Street</li> </ul>

<ul style="list-style-type: none"> <li>WCR3 seawall coping</li> <li>Construction of emergency vehicle access adjacent to Wan Chai Ferry Pier</li> <li>Backfilling works up to updated finished level</li> <li>Sewage works at Wan Shing Street</li> </ul>		
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2.5.4. Major construction activities for Contract no. HY/2009/19 have been commenced on March 2011. During this reporting period, the principal work activities are summarized in **Table 2.8**:

**Table 2.8 Principal Work Activities for Contract no. HY/2009/19**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>Approach ramp ELS and excavation works</li> <li>Approach ramp structure Construction</li> <li>Bridge Construction &amp; installation of enclosure.</li> <li>Retaining wall construction.</li> <li>FEHD Metal Roof Construction &amp; re-provision including drainage works</li> <li>Pre-bored H-piles for Approach Ramp Phase 2 Construction</li> <li>Hing Fat Street road and drainage works</li> <li>Oil street drainage works</li> <li>Installation of skin parapet on TB bridge at Pier 15-17</li> <li>Landscape deck pile cap foundation works continues</li> </ul>	<ul style="list-style-type: none"> <li>Approach ramp structure Construction.</li> <li>Bridge Construction &amp; installation of enclosure.</li> <li>Retaining wall construction.</li> <li>FEHD Metal Roof Construction &amp; re-provision including drainage works.</li> <li>Hing Fat Street road and drainage works.</li> <li>Oil street drainage works.</li> <li>Installation of skin parapet on TB bridge at Pier 15-17.</li> <li>Landscape deck, column &amp; pile cap foundation works continues</li> </ul>	<ul style="list-style-type: none"> <li>Approach ramp structure Construction.</li> <li>Bridge Construction &amp; installation of enclosure.</li> <li>Retaining wall construction.</li> <li>FEHD depot re-provision works.</li> <li>Oil street drainage works.</li> <li>Installation of skin parapet on TB bridge at Pier 15-17.</li> <li>Landscape deck, column &amp; pile cap foundation works.</li> <li>Watson Road Watermains laying works.</li> <li>EVA at EVB.</li> <li>Hing Fat Street road and drainage works</li> </ul>



2.5.5. Major construction activities for Contract no. HK/2012/08 have been commenced on March 2013. During the reporting period, the principal work activities are summarized in **Table 2.9**

**Table 2.9 Principal Work Activities for Contract no. HK/2012/08**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Construction of Slip Road 1</li> <li>• Construction of drainage</li> <li>• Asphalt paving</li> <li>• Sewer diversion</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Slip Road 1</li> <li>• Construction of drainage</li> <li>• Asphalt paving</li> <li>• Sewer diversion</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Slip Road 1</li> <li>• Construction of drainage</li> <li>• Asphalt paving</li> <li>• Sewer diversion</li> </ul>

2.5.6. Major construction activities for Contract no. HY/2010/08 have been commenced on March 2013. During the reporting period, the principal work activities are summarized in **Table 2.10**

**Table 2.10 Principal Work Activities for Contract no. HY/2010/08**

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Tree protection works next to existing BGO,</li> <li>• Drainage improvement works,</li> <li>• Utility diversion works,</li> <li>• Retaining wall works</li> <li>• ELS works,</li> <li>• Construction works for subway extension</li> </ul>	<ul style="list-style-type: none"> <li>• Tree protection works next to existing BGO,</li> <li>• Drainage improvement works,</li> <li>• Utility diversion works,</li> <li>• Retaining wall works</li> <li>• ELS works,</li> <li>• Construction works for subway extension</li> </ul>	<ul style="list-style-type: none"> <li>• Tree protection works next to existing BGO,</li> <li>• Drainage improvement works,</li> <li>• Utility diversion works,</li> <li>• Retaining wall works</li> <li>• ELS works,</li> <li>• Construction works for subway extension</li> </ul>

- 2.5.7. Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B. During the reporting period, the principal work activities are summarized in **Table 2.11**

**Table 2.11** *Principal Work Activities for Contract no. HY/2011/08*

December 2017	January 2018	February 2018
<ul style="list-style-type: none"> <li>• Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building</li> <li>• Construction of Tunnel Thermal Barrier</li> <li>• Installation of Electricals and Mechanicals</li> <li>• Installation of Tunnel Features</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building</li> <li>• Construction of Tunnel Thermal Barrier</li> <li>• Installation of Electricals and Mechanicals</li> <li>• Installation of Tunnel Features</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building</li> <li>• Construction of Tunnel Thermal Barrier</li> <li>• Installation of Electricals and Mechanicals</li> <li>• Installation of Tunnel Features</li> </ul>

- 2.5.8. Implementation status of the recommended mitigation measures during this reporting period is presented in **Appendix 2.1**.

### 3. MONITORING REQUIREMENTS

#### 3.1. Noise Monitoring

##### NOISE MONITORING STATIONS

- 3.1.1. The noise monitoring stations for the Project are listed and shown in **Table 3.1** and **Figure 3.1**. **Appendix 3.1** shows the established Action/Limit Levels for the monitoring works.

**Table 3.1 Noise Monitoring Station**

Station	Description
M1a*	Footbridge at Ex-Harbour Road Sports Centre
M2b	Noon Gun Area
M3a	Tung Lo Wan Fire Station
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School
M7e*	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
M8**	City Hall

Remark\*: Location ID has been updated from M7 to M8 for City Hall

Remark\*\*: M7e has become a reference station starting from 7 Aug 2012

Remarks\*\*\*: The location ID of monitoring station M1a was updated as "Footbridge for Ex-Harbour Road Sports Centre" in May 2017.

##### REAL TIME NOISE MONITORING STATIONS

- 3.1.2. The noise monitoring stations for the Project are listed and shown in **Table 3.2** and **Figure 3.1**. **Appendix 3.1** shows the established Action/Limit Levels for the monitoring works.

**Table 3.2 Real Time Noise Monitoring Station**

District	Station	Description
Tin Hau	RTN1	FEHD Hong Kong Transport Section Whitefield Depot
North Point	RTN2a*	Electric Centre
North Point	RTN3	Po Leung Kuk Yu Lee Mo Fan Memorial School
Tin Hau	RTN4	Causeway Bay Community Centre

Remarks\*: RTN2 was relocated from Oil Street Community Liaison Centre to Electric Centre on 05 Oct 2012 and re-designated as RTN2a.

### NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

- 3.1.3. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ).  $L_{eq}$  (30 minutes) shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods,  $L_{eq}$  (5 minutes) shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as  $L_{10}$  and  $L_{90}$  shall also be obtained for reference.
- 3.1.4. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:
- One set of measurements between 0700 and 1900 hours on normal weekdays.
- 3.1.5. Real time noise shall be carried out at the designated monitoring stations. The following is an initial guide on the regular monitoring frequency for each station on a 24 hours daily basis when noise generating activities are underway:
- One set of measurements between 0700 and 1900 hours on normal weekdays.
  - One set of measurements between 1900 and 2300 hours on normal weekdays and 0700 and 2300 hours on public holidays.
  - One set of measurements between 2300 and 0700 hours on next day on everyday.
- 3.1.6. If construction works are extended to include works during the hours of 1900 – 0700 as well as public holidays and Sundays, additional weekly impact monitoring shall be carried out during respective restricted hours periods. Applicable permits under NCO shall be obtained by the Contractor.

### MONITORING EQUIPMENT

- 3.1.7. As referred to in the Technical Memorandum <sup>TM</sup> issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.
- 3.1.8. Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 3.1.9. The sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency before deployment to the site and during each site visit. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.

### 3.2. Air quality monitoring

#### AIR QUALITY MONITORING STATIONS

- 3.2.1. The air quality monitoring stations for the Project are listed and shown in **Table 3.3** and **Figure 3.1**. **Appendix 3.1** shows the established Action/Limit Levels for the monitoring works.

**Table 3.3 Air quality monitoring Stations**

Station ID	Monitoring Location	Description
CMA1b	Harbour Grand Hotel Boundary Wall	North Point
CMA2a	Causeway Bay Community Centre	Causeway Bay
CMA3a	CWB PRE Site Office	Causeway Bay
CMA4a	Society for the Prevention of Cruelty to Animals	Wan Chai
CMA5b	Pedestrian Plaza**	Wan Chai
MA1e	International Finance Centre (Eastern End of Podium)	Central
MA1w	International Finance Centre (Western End of Podium)	Central

Remarks\*: The location ID of monitoring station CMA1b was updated as "Oil Street Site Office" in April 2013. With respect to the removal of Oil Street Site Office, the respective air quality monitoring station CMA1b was finely adjusted on 11 September 2015. The location ID of monitoring station CMA1b was updated as "Harbour Grand Hotel Boundary Wall" with respect to the fine adjustment of monitoring station from the Oil Street Site Office to Harbour Grand Hotel Boundary Wall from 05 June 2017 onwards due to demolition of Oil Street Site Office.

Remarks\*\*: With respect to the area handover, the air quality monitoring station CMA5a at Children Playgrounds opposite to the Pedestrian Plaza was relocated to the Pedestrian Plaza on 3 December 2014. The station reference and location ID of the air quality monitoring station CMA5a was updated as CMA5b and Pedestrian Plaza respectively.

#### AIR QUALITY MONITORING PARAMETERS, FREQUENCY AND DURATION

- 3.2.2. One-hour and 24-hour TSP levels should be measured to indicate the impacts of construction dust on air quality. The 24-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50), Appendix B.
- 3.2.3. All relevant data including temperature, pressure, weather conditions, elapsed-time meter reading for the start and stop of the sampler, identification and weight of the filter paper, and any other local atmospheric factors affecting or affected by site conditions, etc., shall be recorded down in detail.
- 3.2.4. For regular impact monitoring, the sampling frequency of at least once in every six-days, shall be strictly observed at all the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs.

### SAMPLING PROCEDURE AND MONITORING EQUIPMENT

- 3.2.5. High volume samplers (HVSs) in compliance with the following specifications shall be used for carrying out the 1-hour and 24-hour TSP monitoring:
- 0.6 – 1.7 m<sup>3</sup> per minute adjustable flow range;
  - Equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
  - Installed with elapsed-time meter with +/- 2 minutes accuracy for 24 hours operation;
  - Capable of providing a minimum exposed area of 406 cm<sup>2</sup>;
  - Flow control accuracy: +/- 2.5% deviation over 24-hour sampling period;
  - Equipped with a shelter to protect the filter and sampler;
  - Incorporated with an electronic mass flow rate controller or other equivalent devices;
  - Equipped with a flow recorder for continuous monitoring;
  - Provided with a peaked roof inlet;
  - Incorporated with a manometer;
  - Able to hold and seal the filter paper to the sampler housing at horizontal position;
  - Easily changeable filter; and
  - Capable of operating continuously for a 24-hour period.
- 3.2.6. Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognized primary standard and be calibrated annually. The concern parties such as IEC shall properly document the calibration data for future reference. All the data should be converted into standard temperature and pressure condition.
- 3.2.7. Laboratory Measurement / Analysis
- 3.2.8. A clean laboratory with constant temperature and humidity control, and equipped with necessary measuring and conditioning instruments to handle the dust samples collected, shall be available for sample analysis, and equipment calibration and maintenance. The laboratory should be HOKLAS accredited.
- 3.2.9. Filter paper of size 8" x 10" shall be labelled before sampling. It shall be a clean filter paper with no pinholes, and shall be conditioned in a humidity-controlled chamber for over 24-hours and be pre-weighed before use for the sampling.
- 3.2.10. After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg. The balance shall be regularly calibrated against a traceable standard.
- 3.2.11. All the collected samples shall be kept in a good condition for 6 months before disposal.

#### **4. MONITORING RESULTS**

- 4.0.1. Per EPD's letter dated 3 Aug 2012 (received by ET on 6 Aug 2012 through HyD), noise monitoring at M8 – City Hall commenced on 7 Aug 2012, and the monitoring station M7e – International Finance Centre (Eastern Podium) has become a reference station starting from 7 Aug 2012.
- 4.0.2. Due to safety concerns, the monitoring location for M4b – Victoria Centre has been finely adjusted from 7 June 2012.
- 4.0.3. Monitoring for report of review baseline noise level was performed from 11 April 2011 to 8 June 2011. Then the report was submitted on the 20 June 2011, verified by IEC on 18 July 2011 and was approved by ER by January 2012. The new baseline is used for the noise calculation starting from the January 2012 reporting period.
- 4.0.4. The environmental monitoring will be implemented based on the division of works areas of each designed project managed under different contracts with separate FEP applied by individual contractors. Overall layout showing work areas of various contracts, latest status of work commencement and monitoring stations is shown in **Figure 2.1** and **Figure 3.1**. The monitoring results are presented in according to the Individual Contract(s).
- 4.0.5. In the reporting period, the concurrent contracts are as follows:
- Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A
  - Contract no. HY/2009/18 – Central –Wanchai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A
  - Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009
  - Contract no. HK/2009/01 –Wanchai Development Phase II – Central –Wanchai Bypass at Hong Kong Convention and Exhibition Centre under FEP-02/364/2009
  - Contract no. HK/2009/02 Wanchai Development Phase II – Central- Wanchai Bypass at Wanchai East under FEP-01/364/2009
  - Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-09/364/200/B
  - Contract no. HY/2010/08 – Central and WanChai Bypass – Slip road 8 Section under FEP-10/364/2009/B
  - Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/B

#### 4.1. Noise Monitoring Results

Contract no. HY/2009/18 – Central – Wanchai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 4.1.1. Noise monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 22 April 2011. The proposed division of noise monitoring stations for Contract no. HY/2009/18 are summarized in **Table 4.1** below.

**Table 4.1 Noise Monitoring Station for Contract no. HY/2009/18**

Station	Description
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
M8	City Hall

\* Remark: M7e has become a reference station starting from 7 Aug 2012

- 4.1.2. No exceedance was recorded in this reporting period.
- 4.1.3. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in [Appendix 4.1](#).

Contract no. HK/2009/01 - Wanchai Development Phase II - Central - Wanchai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009 and Contract no. HK/2009/02 - Wanchai Development Phase II - Central - Wanchai Bypass at Wanchai East (CWB Tunnel) under FEP-01/364/2009

- 4.1.4. The commencement of construction works for Contract no. HK/2009/01 under FEP-02/364/2009 is on 25 August 2011 and HK/2009/02 under FEP-01/364/2009 is on 26 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.2** below.

**Table 4.2 Noise Monitoring Stations for Contract nos. HK/2009/01 and HK/2009/02**

Station	Description
M1a	Footbridge at Ex-Harbour Road Sports Centre

[Reporting period of December 2017](#)

- 4.1.5. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 04 and 11 December 2017 and the exceedances were concluded as non-Project related.
- 4.1.6. No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement on 04 December 2017 while non WDII-CWB excavation works and hammering next to the monitoring station were observed as the major noise



contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.

- 4.1.7. Backfilling and minor breaking works were conducted by Contract HK/2009/02 around the concerned location with a few and non-continuous breaking actions observed during measurement on 04 December 2017. Acoustic screening of breaker tip was implemented by Contract HK/2009/02 and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation works and hammering next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adequate noise mitigation measure around the concerned location to avoid potential cumulative impact.
- 4.1.8. No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement on 11 December 2017 while non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.
- 4.1.9. Backfilling and minor breaking works were conducted by Contract HK/2009/02 around the concerned location with a few and non-continuous breaking actions observed during measurement on 11 December 2017. Acoustic screening of breaking tip was implemented by Contract HK/2009/02 and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adequate noise mitigation measure around the concerned location to avoid potential cumulative impact.

#### Reporting period of January 2018

- 4.1.10. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 29 December 2017, 16 and 23 January 2018 and the exceedances were concluded as non-Project related.
- 4.1.11. No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement on 29 December 2017 while non WDII-CWB excavation works next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.
- 4.1.12. Excavation works was conducted by Contract HK/2009/02 around the concerned location on 29 December 2017. Meanwhile, non WDII-CWB excavation works next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02.

- 4.1.13. No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement on 16 January 2018 while non WDII-CWB steel frame erection and hammering works next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.
- 4.1.14. Despite backfilling works was conducted by Contract HK/2009/02 around the concerned location on 16 January 2017. Meanwhile, while non WDII-CWB steel frame erection and hammering works next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02.
- 4.1.15. No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement on 23 January 2018 while non WDII-CWB breaking works by excavator mounted breaker was conducted next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.
- 4.1.16. Despite backfilling works was conducted by Contract HK/2009/02 around the concerned location on 23 January 2017. Meanwhile, non WDII-CWB breaking works by excavator mounted breaker was conducted next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02.

#### Reporting period of February 2018

- 4.1.17. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Centre on 02 February 2018 and the exceedance was concluded as non-Project related.
- 4.1.18. No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while excavation works and hammering under non-WDII-CWB contractor next to the monitoring station was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.
- 4.1.19. Despite trench excavation work was conducted by Contract HK/2009/02 around the concerned location during the time of measurement, no major noise emanation from the works was observed during monitoring. Meanwhile, excavation works and hammering under non-WDII-CWB contractor next to the monitoring station was observed as the major noise contribution during monitoring. As such, the exceedance was considered as not relate to Project works under HK/2009/02.
- 4.1.20. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 4.1**.

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 4.1.21. Noise monitoring for the tunnel works under contract no. HY/2009/19 was commenced on 24 April 2011. The proposed division of noise monitoring stations are summarized in **Table 4.4** below.

**Table 4.4 Noise Monitoring Stations for Contract no. HY/2009/19**

Station	Description
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School

Reporting period of December 2017

- 4.1.22. Limit level exceedances were recorded at M6 – HK Baptist Church Henrietta Secondary School on 08 and 20 December 2017 and the exceedances were concluded as non-Project related.
- 4.1.23. Despite installation of sign gantry, transportation of rebars and housekeeping work were conducted under HY/2009/19 around the monitoring location on 08 December 2017 and nearby traffic noise was observed as major noise source during monitoring. As such, the exceedance was considered as non-Project related.
- 4.1.24. Breaking of paving surface at Pier F5 and F6 under Contract HY/2009/19 was conducted during the measurement on 20 December 2017 and breaking operation behind the IECL noise enclosure was observed as the major noise influence during measurement. Hence, the exceedance was considered as Project related. In view of the adjustment of limit level on the subsequent monitoring date with respect to the completion of school examination, no further exceedance was recorded during additional monitoring conducted on 21 December 2017 at the concerned location. Nevertheless, the Contractor of HY/2009/19 was advised to adopt additional noise mitigation measure for future breaking works, if any, at the concerned location during examination period, such as provision of localized movable noise barrier to ensure that the nearby noise sensitive receiver would not be adversely affected.

Reporting period of January 2018

- 4.1.25. No action or limit level exceedance was recorded in this reporting period.

Reporting period of February 2018

- 4.1.26. No action or limit level exceedance was recorded in this reporting period.

- 4.1.27. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in [Appendix 4.1](#) and the Notification of Exceedance can be referred in [Appendix 6.2](#).

Contract no. HY/2010/08 – Central-Wanchai Bypass –Wanchai Bypass Tunnel (Slip Raod 8 Section) under FEP-09/364/2009/B

- 4.1.28. The commencement of construction works for Contract no. HY/2010/08 under FEP-10/364/2009/B was on 02 September 2013. Noise monitoring was commenced on 02 September 2013. The proposed divisions of noise monitoring stations are summarized in **Table 4.5** below.

**Table 4.5 Noise Monitoring Stations for Contract no. HY/2010/08**

Station	Description
M2b	Noon Gun Area
M3a	Tung Lo Wan Fire Station

- 4.1.29. No action or limit level exceedance was recorded in this reporting period.
- 4.1.30. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in [Appendix 4.1](#).

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

- 4.1.31. Noise monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 22 April 2011. The proposed division of noise monitoring stations for Contract no. HY/2009/18 are summarized in **Table 4.6** below:

**Table 4.6 Noise Monitoring Stations for Contract no. HY/2011/08**

Station	Description
M4b	Victoria Centre
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
M8	City Hall

\* Remark: M7e has become a reference station starting from 7 Aug 2012

- 4.1.32. No action or limit level exceedance was recorded in this reporting period.
- 4.1.33. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in [Appendix 4.1](#)

#### 4.2. Real Time Noise Monitoring Results

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 4.2.1. Real time noise monitoring results measured in this reporting period are reviewed and summarized. Details of real time noise monitoring results and graphical presentation can be referred to [Appendix 4.2](#)
- 4.2.2. The proposed division of noise monitoring stations are summarized in **Table 4.7** below. Real time noise monitoring for major construction works under contract no. HY/2009/19 was commenced on 24 April 2011.

**Table 4.7 Real Time Noise Monitoring Stations for Contract no. HY/2009/19**

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitefield Depot
RTN2a	North Point	Electric Centre (Replacement of RTN2)
RTN3	North Point	Pok Leung Kuk Yu Lee Mo Fun Memorial School
RTN4	Tin Hau	Causeway Bay Community Centre

*\* Real time noise monitoring results and graphical presentation during night time period are for information only.*

*\*Real-time noise monitoring results and graphical presentation for RTN3 during restricted hours are for information only as no night classes were conducted at the educational institute.*

Reporting period of [December 2017](#)

- 4.2.3. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 4.2.4. No limit level exceedance was recorded at RTN2a- Hong Kong Electric Centre was recorded in the reporting period.
- 4.2.5. No limit level exceedance was recorded at RTN3- Yu Lee Mo Fan Memorial School was recorded in the reporting period.
- 4.2.6. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Reporting period of [January 2018](#)

- 4.2.7. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 4.2.8. One limit level exceedance was recorded on 22 January 2018 at RTN2a- Hong Kong Electric Centre was recorded in the reporting period. After checking with the Contractor, formwork erection was conducted under Contract HY/2009/19 around the monitoring station and no particular noise was considered. Meanwhile, non-CWB construction works was observed

around the monitoring location and may potentially contributed to the recorded noise level. As such, the exceedance was considered as non Project related.

- 4.2.9. One limit level exceedance was recorded at RTN3- Yu Lee Mo Fan Memorial School was recorded on 03 January 2018 in the reporting period. After checking with Contractor, road milling works was observed conducted beyond the noise enclosure and contributed as the major noise impact during the time of monitoring and the exceedance was considered as Project related. The work at the concerned location beyond the noise enclosure was completed after the recorded exceedance and no further exceedance was recorded. Nevertheless, in view of the recorded noise impact, the Contractor of HY/2009/19 was advised to provide noise mitigation measure including temporary noise barrier for future road miling works at the concerned location, if any, to avoid any further potential noise impact.
- 4.2.10. One limit level exceedance was recorded at RTN3 – Yu Lee Mo Fan Memorial School was recorded on 20 January 2018 in the reporting period. After checking with Contractor, concrete breaking was conducted within the noise enclosure. Meanwhile, school renovation works with mechanical operation was recorded next to the monitoring station and in view of the discrete exceedance recorded and duration of breaking works extended throughout the day, the exceedance was considered as non Project related.
- 4.2.11. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Reporting period of February 2018

- 4.2.12. No limit level exceedance was recorded at RTN1 - FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 4.2.13. No limit level exceedance was recorded at RTN2a - Hong Kong Electric Centre in the reporting period.
- 4.2.14. Limit level exceedances were recorded at RTN3- Yu Lee Mo Fan Memorial School was recorded on 10 and 26 February 2018 in the reporting period.
- 4.2.15. After checking with Contractor, was conducted on 10 February 2018, pavement and asphalting works was conducted during the monitoring period. In view of the continuous construction operation while only discrete exceedance was recorded across the works period, the exceedance is considered as non Project related and potentially contributed by nearby traffic.
- 4.2.16. After checking with Contractor, concrete breaking works on bridge deck between Pier F6 and F8 was conducted on 26 February 2018 behind temporary noise enclosure. In view of the continuous operation and the discrete exceedance recorded, the exceedance was considered as non-Project related and would be potentially contributed by nearby traffic.
- 4.2.17. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

- 4.2.18. Real time noise monitoring results measured in this reporting period are reviewed and summarized. Details of real time noise monitoring results and graphical presentation can be referred to [Appendix 4.2](#)

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

- 4.2.19. The proposed division of noise monitoring stations are summarized in **Table 4.8** below. Real time noise monitoring for major construction works under contract no. HY/2011/08 was commenced on 19 March 2015.

**Table 4.8 Real Time Noise Monitoring Stations for Contract no. HY/2011/08**

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitfield Depot
RTN2a <sup>1</sup>	North Point	Hong Kong Electric Centre
RTN4	Tin Hau	Causeway Bay Community Centre

*\* Real time noise monitoring results and graphical presentation during restrict hours and night time period are for information only and noise during CNP period shall be controlled under NCO.*

*Remarks <sup>1</sup>: With respect to the possession of site area Portion Xa and Portion Xb since 7 March 2016 as confirmed by CWB RSS, real time noise monitoring station RTN2a was associated with Contract no. HY/2011/08 from 07 March 2016 onwards*

Reporting period of December 2017

- 4.2.20. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 4.2.21. No limit level exceedance was recorded at RTN2a- Hong Kong Electric Centre was recorded during in the reporting period.
- 4.2.22. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre were recorded in the reporting period.

Reporting period of January 2018

- 4.2.23. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 4.2.24. One limit level exceedance was recorded on 22 January 2018 at RTN2a- Hong Kong Electric Centre was recorded in the reporting period. After checking with the Contractor, Architectural Builders Works and Finishes and excavation works was conducted under Contract HY/2011/08 around the monitoring station and no particular noise was considered. Meanwhile, non-CWB construction works was observed around the monitoring location and may potentially contributed to the recorded noise level. As such, the exceedance was considered as non Project related.



- 4.2.25. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre were recorded in the reporting period.

Reporting period of February 2018

- 4.2.26. No limit level exceedance was recorded at RTN1 - FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 4.2.27. No limit level exceedance was recorded at RTN2a - Hong Kong Electric Centre in the reporting period.
- 4.2.28. No limit level exceedance was recorded at RTN4 - Causeway Bay Community Centre in the reporting period.
- 4.2.1. Real time noise monitoring results measured in this reporting period are reviewed and summarized. Details of real time noise monitoring results and graphical presentation can be referred to **Appendix 4.2**



#### 4.3. Air quality monitoring Results

- 4.3.1 Due to extension of site boundary by contractor of HY/2009/19, location of air quality monitoring station CMA1b – Oil Street Community Liaison Centre has been finely adjusted on 21 April 2012.

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 4.3.2 Air quality monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 21 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.9** below.

**Table 4.9 Air quality monitoring Stations for Contract no. HY/2009/18**

Station	Description
MA1e	International Finance Centre (Eastern End of Podium)
MA1w	International Finance Centre (Western End of Podium)

- 4.3.3 No action or limit level exceedance was recorded in the reporting period.
- 4.3.4 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 4.3**.

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009

- 4.3.5 The commencement of construction works for Contract no. HK/2009/01 under FEP-02/364/2009 is on 25 August 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.10** below.

**Table 4.10 Air quality monitoring Station for Contract no. HK/2009/01**

Station	Description
CMA5b	Pedestrian Plaza

Reporting period of December 2017

- 4.3.6 One 24hr TSP action level exceedance and one 1hr TSP limit level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively in the reporting month.
- 4.3.7 No construction works was undertaken around the monitoring location on 11 and 12 December 2017 under Contractor of HK/2009/01 and no particular observation regarding dust emission was observed during sampling. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition.

4.3.8 One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 23 December 2017.

4.3.9 No construction works was undertaken around the monitoring location on the monitoring date under Contractor of HK/2009/01 and no particular observation regarding dust emission was observed during sampling. The exceedance was potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.

Reporting period of January 2018

4.3.10 One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 29 December 2017 respectively in the reporting month.

4.3.11 No construction works was undertaken around the monitoring location on 29 December 2017 under Contractor of HK/2009/01 and no particular observation regarding dust emission was observed during sampling. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition and traffic exhaust.

Reporting period of February 2017

4.3.12 No exceedance was recorded in the reporting period.

4.3.13 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 4.3**.

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

4.3.14 The commencement of construction works for HK/2009/02 under FEP-01/364/2009 is on 26 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.11** below.

**Table 4.11 Air quality monitoring Station for Contract no. HK/2009/02**

Station	Description
CMA3a	CWB site office at Wanchai Waterfront Promenade
CMA4a	Society for the Prevention of Cruelty to Animals

4.3.15 No action or limit level exceedance was recorded in the reporting period.

4.3.16 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 4.3**.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- 4.3.17 The commencement of construction works for Contract no. HY/2009/15 under FEP-06/364/2009/A was on 13 July 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.12** below.

**Table 4.12 Air quality monitoring Station for Contract no. HY/2009/15**

Station	Description
CMA3a	CWB site office at Wanchai Waterfront Promenade

- 4.3.18 No action or limit level exceedance was recorded in the reporting period.
- 4.3.19 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in [Appendix 4.3](#).

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 4.3.20 Air quality monitoring for the tunnel works was commenced on 26 April 2011 for Contract no. HY/2009/19 under FEP-07/364/2009/D. The proposed division of air quality monitoring stations are summarized in **Table 4.13** below.

**Table 4.13 Air quality monitoring Stations for Contract no. HY/2009/19**

Station	Description
CMA1b	Harbour Grand Hotel Boundary Wall
CMA2a	Causeway Bay Community Centre

- 4.3.21 No action or limit level exceedance was recorded in the reporting period.
- 4.3.22 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in [Appendix 4.3](#).

Contract no. HK/2012/08- Wan Chai Development Phase II – Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B and FEP-12/364/2009/D

- 4.3.23 The commencement of construction works for Contract no. HK/2012/08 under FEP-09/364/2009/C was on May 2014. Air quality monitoring was commenced on 14 July 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.14** below.

**Table 4.14 Air quality monitoring Station for Contract no. HK/2012/08**

Station	Description
CMA5b	Pedestrian Plaza

Reporting period of December 2017

- 4.3.24 One 24hr TSP action level exceedance and one 1hr TSP limit level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively in the reporting month.
- 4.3.25 Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on 11 and 12 December 2017 and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implemented by the Contractor of HK/2012/08. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition.
- 4.3.26 One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 23 December 2017.
- 4.3.27 Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on 23 December 2017 and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implemented by the Contractor of HK/2012/08. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition.

Reporting period of January 2018

- 4.3.28 One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 29 December 2017 respectively in the reporting month.
- 4.3.29 Road and drain construction works was undertaken around the monitoring location on 29 December 2018 under Contractor of HK/2012/08 and no particular observation regarding dust emission was observed during sampling. Mitigation measure including water spraying for haul road and dusty surface were implemented by the Contractor. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition and traffic exhaust.

Reporting period of February 2018

4.3.30 No exceedance was recorded in the reporting period.

4.3.31 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in [Appendix 4.3](#).

Contract no. HY/2010/08 – Central-Wanchai Bypass –Wanchai Bypass Tunnel (Slip Road 8 Section) under FEP-09/364/2009/B

4.3.32 The commencement of construction works for Contract no. HY/2010/08 under FEP-09/364/2009/B was on July 2014. Air quality monitoring was commenced on 14 July 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.15** below.

**Table 4.15 Air quality monitoring Station for Contract no. HY/2010/08**

Station	Description
CMA3a	CWB PRE Site Office

4.3.33 No action or limit level exceedance was recorded in the reporting period.

4.3.34 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in [Appendix 4.3](#).

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

4.3.35 Air quality monitoring for the Central Interchange works under contract no. HY/2011/08 was commenced on 21 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 4.16** below.

**Table 4.16 Air quality monitoring Stations for Contract no. HY/2011/08**

Station	Description
MA1e	International Finance Centre (Eastern End of Podium)
MA1w	International Finance Centre (Western End of Podium)
CMA1b	Oil Street Site Office
CMA2a	Causeway Bay Community Centre
CMA5b	Pedestrian Plaza

Reporting period of December 2017

- 4.3.36 One 24hr TSP action level exceedance and one 1hr TSP limit level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively in the reporting month.
- 4.3.37 Installation of steel roof and architectural builders works and finishes at MVB were undertaken around the monitoring location on 11 and 12 December 2017 under Contract HY/2011/08 and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of haul road were generally implemented. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition.
- 4.3.38 One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 23 December 2017.
- 4.3.39 Installation of steel roof and architectural builders works and finishes at MVB were undertaken around the monitoring location on 23 December 2017 under Contract HY/2011/08 and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of haul road were generally implemented. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition.

Reporting period of January 2018

- 4.3.40 One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 29 December 2017 respectively in the reporting month.
- 4.3.41 Road and drain construction works was undertaken around the monitoring location on 29 December 2018 under Contractor of HY/2011/08 and no particular observation regarding dust emission was observed during sampling. Mitigation measure including water spraying for dampening of haul road and provision of wheel washing were implemented by the Contractor. The exceedance was considered not related to Project works and potentially contributed by ambient air quality condition and traffic exhaust.

Reporting period of February 2018

- 4.3.42 No exceedance was recorded in the reporting period.
- 4.3.43 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in [Appendix 4.3.](#)

#### 4.4. Waste Monitoring Results

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009

- 4.4.1. Inert and non-inert C&D waste was disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.17**.

**Table 4.17 Details of Waste Disposal for Contract no. HK/2009/01**

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date. m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	43.62	108087.815	TKO137, TM38
Inert C&D materials recycled	Nil	98512.03	N/A
Non-inert C&D materials disposed	27.82	5341.52*	SENT Landfill
Non-inert C&D materials recycled	Nil	1285746	N/A
Chemical waste disposed	Nil	10400	Kwun Kee (Chemical Waste Collector)
Marine Sediment (Type 1- Open Seas Disposal), m3	Nil	11527	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m3	Nil	16261	East of Cha Chau South Brothers

Remarks: The cumulative amount of inert C&D material disposed up to Nov 2017 has been further clarified as 5313.7 m<sup>3</sup> and the cumulative amount of non-inert C&SD material disposed up to February 2018 has been clarified as 5341.52 m<sup>3</sup>.

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- 4.4.2. Inert and non-inert C&D waste were disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.18**.

**Table 4.18 Details of Waste Disposal for Contract no. HK/2009/02**

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date. m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	232	522721.21	TKO137, TM 38
Inert C&D materials recycled	Nil	46520	WCR2
Non-inert C&D materials disposed	79.4	5557.92	SENT Landfill
Non-inert C&D materials recycled	Nil	N/A	N/A
Chemical waste	Nil	17718	N/A

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
disposed			
Marine Sediment (Type 1 – Open Sea Disposal) , m <sup>3</sup>	Nil	65663	South Cheung Chau

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 4.4.3. Inert and non-inert C&D waste was disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.19**.

**Table 4.19 Details of Waste Disposal for Contract no. HY/2009/18**

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	22.34	1415580.18	T.K.O. 137
Inert C&D materials recycled	Nil	58787.05	N/A
Non-inert C&D materials disposed	57.78	4527.26	SENT Landfill
Non-inert C&D materials recycled (tonnes)	Nil	878.37	N/A
Chemical waste disposed	Nil	6772	N/A

Remarks: The cumulative amount of inert C&D material disposed has been updated in the reporting period.



Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 4.4.4. Inert C&D materials was recycled non-inert C&D waste was disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.21**.

**Table 4.21 Details of Waste Disposal for Contract no. HY/2009/19**

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	21608.93	78023.13	N/A
Inert C&D materials recycled	Nil	82349.7	N/A
Non-inert C&D materials disposed	358.72	6789.88*	SENT Landfill
Non-inert C&D materials recycled	Nil	565.63	N/A
Chemical waste disposed	0.36	11.26	N/A
Marine Sediment (Tunnel) (Type 1- Open Sea Disposal), m <sup>3</sup>	Nil	20556	South of Cheung Chau
Marine Sediment (Tunnel) (Type 1- Open Sea Disposal (Dedicated Sites) & Type 2 – Confined Marine Disposal), m <sup>3</sup>	Nil	30751	East of Sha Chau

Remarks\*: The cumulative amount of non-inert C&D material disposed has been clarified as 6789.88 m<sup>3</sup> instead of 6789.87m<sup>3</sup> in this reporting period.

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B and FEP-12/364/2009/D

- 4.4.5. No inert and Non-inert C&D wastes were disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.22**.

**Table 4.22 Details of Waste Disposal for Contract no. HK/2012/08**

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	70 77	183652 117018	TKO137 TM38
Inert C&D materials	Nil	Nil	N/A

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
recycled			
Non-inert C&D materials disposed	155	8812	N/A
Non-inert C&D materials recycled	NIL	Nil	N/A
Chemical waste disposed	NIL	Nil	N/A
Marine Sediment (Type 1) Disposal, m <sup>3</sup>	Nil	3145	South of Cheung Chau/ South of Brothers

Contract no. HY/2010/08 Central – Wan Chai Bypass (CWB) – Tunnel (Slip Road 8) under FEP-10/364/2009/B

- 4.4.6. No inert and Non-inert C&D wastes were disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.23**.

**Table 4.23 Details of Waste Disposal for Contract no. HY/2010/08**

Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	1909.061 Nil Nil Nil	591364.18 262656.6 82911.8 72704.53	TM 38 WENT SENT TKO area 137
Inert C&D materials recycled	Nil	Nil	Nil
Non-inert C&D materials disposed	152.82	5895.18	SENT
Non-inert C&D materials recycled	Nil	Nil	Nil
Chemical waste disposed	Nil	1431	Nil
Type 1 – Open Sea Disposal	Nil	16368.4	East Sha Chau/ South Brothers Island
Type 2 – Confined Marine disposal	Nil	549.2	East Sha Chau

#### C

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- 4.4.7. No inert and Non-inert C&D wastes were disposed of in this reporting period. Details of the waste flow table are summarized in **Table 4.24**.

**Table 4.24 Details of Waste Disposal for Contract no. HY/2011/08**



Waste Type*	Quantity this quarter, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	2058.45	4008.42	Nil
Inert C&D materials recycled	Nil	Nil	Nil
Non-inert C&D materials disposed	1160.05	5886.36	Nil
Non-inert C&D materials recycled	Nil	31.72	Nil
Chemical waste disposed (kg)	Nil	3800	Nil

## **5. COMPLIANCE AUDIT**

- 5.0.1. The Event Action Plan for construction noise and air quality are presented in [Appendix 5.1](#).

### **5.1. Noise Monitoring**

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 5.1.1. No action of limit level exceedance was recorded in this reporting period.

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works

[Reporting period of December 2017](#)

- 5.1.2. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 04 and 11 December 2017 and the exceedances were concluded as non-Project related. After investigation, the exceedance was concluded as not related to the Project works under Contract HK/2009/01.

[Reporting period of January 2018](#)

- 5.1.3. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 29 December 2017, 16 and 23 January 2018 and the exceedances were concluded as not related to the Project works under Contract HK/2009/01.

[Reporting period of February 2018](#)

- 5.1.4. One limit level exceedance was recorded at M1a – Footbridge for Harbour Road Sports Center on 02 February 2018 and the exceedance was concluded as non-Project related.

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel)

[Reporting period of December 2017](#)

- 5.1.5. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 04 and 11 December 2017 and the exceedances were concluded as non-Project related.

[Reporting period of January 2018](#)

- 5.1.6. Limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 29 December, 16 and 23 January 2018 and the exceedances were concluded as non-Project related.

[Reporting period of February 2018](#)

- 5.1.7. One limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 02 February 2018 and the exceedances was concluded as non-Project related.



Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

Reporting period of December 2017

- 5.1.8. Limit level exceedances were recorded at M6 – HK Baptist Church Henrietta Secondary School on 08 and 20 December 2017 and the limit level exceedance recorded on 08 was concluded as non-Project related.
- 5.1.9. The limit level exceedance recorded at M6 on 20 December 2017 was concluded as related to the breaking works under Contract HY/2009/19 and remedial actions were implemented by the Contractor accordingly and no further exceedance was recorded.

Reporting period of January 2018

- 5.1.10. No exceedance was recorded in the reporting period.

Reporting period of February 2018

- 5.1.11. No exceedance was recorded in the reporting period.

Contract no. HY/2010/08 – Central-Wanchai Bypass – Tunnel (Slip Road 8 Section) under FEP-10/364/2009/B

- 5.1.12. No action of limit level exceedance was recorded in the reporting period

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

- 5.1.13. No action or limit level exceedance was recorded in this reporting period.

## **5.2. Air quality monitoring**

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- 5.2.1 No action or limit level exceedance was recorded in the reporting period.

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works

Reporting period of December 2017

- 5.2.2 One 24hr TSP action level exceedance and one 1hr TSP limit level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively. One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 23 December 2017. The exceedances were concluded not related to the Project works under Contract HK/2009/01.

Reporting period of January 2018

- 5.2.3 One 1hr TSP action level exceedance were recorded at CMA5b – Pedestrian Plaza on 29 December 2017. The exceedance was concluded not related to the Project works under Contract HK/2009/01.

Reporting period of February 2018

- 5.2.4 No exceedance was recorded in the reporting period.

Contract nos. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel)

- 5.2.5 No action or limit level exceedance was recorded in the reporting period.

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 5.2.6 No action or limit level exceedance was recorded in the reporting period.

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B and FEP-12/364/2009/D

Reporting period of December 2017

- 5.2.7 One 24hr TSP action level exceedance and one 1hr TSP limit level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively. One 1hr TSP action level exceedance was recorded at CMA5b – Pedestrian Plaza on 23 December 2017. The exceedances were concluded not related to the Project works under Contract HK/2012/08.

Reporting period of January 2018

- 5.2.8 One 1hr TSP action level exceedance were recorded at CMA5b – Pedestrian Plaza on 29 December 2017. The exceedance was concluded not related to the Project works under Contract HK/2012/08.

Reporting period of November 2017

- 5.2.9 One 1hr TSP limit level exceedance was recorded at CMA5b – Pedestrian Plaza on 01 November 2017.
- 5.2.10 Road and drains works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding air quality impact was observed during sampling. Mitigation measure including water spraying for haul road was generally implemented. Nevertheless, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. Meanwhile, it was reported that the ambient air quality was adversely affected by accumulation of air pollutant influenced by the meteorological condition on the monitoring date. In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality condition.
- 5.2.11 Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedances were recorded at CMA5b – Pedestrian Plaza on 24 November 2017.
- 5.2.12 Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding air quality impact was observed during sampling. Mitigation measure including water spraying for haul road was generally implemented. Nevertheless, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. Meanwhile, according to the EPD monitoring record, highest pollutant concentration was recorded during the monitoring date at Causeway Bay monitoring station across a seven days period. In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality condition.

Contract no. HY/2010/08 – Central-Wanchai Bypass – Tunnel (Slip Road 8 Section) under FEP-10/364/2009/B

- 5.2.13 No exceedance was recorded in the reporting period

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

Reporting period of September 2017

5.2.14 No exceedance was recorded in the reporting period.

Reporting period of October 2017

5.2.15 One 1hr TSP limit level exceedance was recorded at CMA1b – Harbour Grand Hotel Boundary Wall on 26 October 2017.

5.2.16 Despite waterproofing works were undertaken around the monitoring location on 26 October 2017 at the under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. Meanwhile, it was observed that vehicle exhaust from non-construction works was observed as the major factor affecting the monitoring station during monitoring period. In view of the above, the exceedance was considered as non-Project related.

5.2.17 One 1hr TSP limit level exceedance was recorded at CMA5b – Pedestrian Plaza on 26 October 2017.

5.2.18 Plastering works within basement and MVB structure and door installation were undertaken around the monitoring location under Contract HY/2011/08 on the monitoring date and no particular observation regarding air quality impact was observed during sampling. Nevertheless, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. Meanwhile, it was noted that the EPD AQHI for Causeway Bay District was recorded as Level 7 during the monitoring period, indicating a high level of air pollution in the area affecting the ambient condition. In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HY/2011/08 was reminded to provide regularly dust suppression measures if any potential dust generating operation around the concerned location would be required to avoid any potential cumulative air quality impact.

Reporting period of November 2017

5.2.19 One 1hr TSP limit level exceedance was recorded at CMA5b – Pedestrian Plaza on 01 November 2017.

5.2.20 Formwork erection, lifting, and scaffolding at MVB were undertaken around the monitoring location under Contract HY/2011/08 on the monitoring date and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of roof top and haul road were generally implemented. Nevertheless, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. Meanwhile, it was reported that the ambient air quality was adversely affected by accumulation of air pollutant influenced by the meteorological condition on the



monitoring date. In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality condition.

- 5.2.21 Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedances were recorded at CMA5b – Pedestrian Plaza on 24 November 2017.
- 5.2.22 Only waterproofing works and screeding works at MVB were undertaken around the monitoring location under Contract HY/2011/08 on 24 November 2017 and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of roof top and haul road were generally implemented. Nevertheless, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. Meanwhile, according to the EPD monitoring record, highest pollutant concentration was recorded during the monitoring date at Causeway Bay monitoring station across a seven days period. In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality condition.

### **5.3. Real Time Noise Monitoring**

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

Reporting period of December 2017

- 5.3.1 No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 5.3.2 No limit level exceedance was recorded at RTN2a- Hong Kong Electric Centre was recorded in the reporting period.
- 5.3.3 No limit level exceedance was recorded at RTN3- Yu Lee Mo Fan Memorial School was recorded in the reporting period.
- 5.3.4 No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Reporting period of January 2018

- 5.3.5 No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 5.3.6 Limit Level exceedance was recorded on 22 January 2018 at RTN2a- Hong Kong Electric Centre was recorded in the reporting period. The exceedance was concluded as non Project related.
- 5.3.7 Limit level exceedance was recorded on 03 January 2018 and on 20 January 2018 at RTN3- Yu Lee Mo Fan Memorial School was recorded in the reporting period. The exceedance on 03 January 2018 was considered as Project related while the exceedance on 20 January 2018 was considered as non Project related.
- 5.3.8 No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Reporting period of February 2018

- 5.3.9 No limit level exceedance was recorded at RTN1 - FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.
- 5.3.10 No limit level exceedance was recorded at RTN2a - Hong Kong Electric Centre in the reporting period
- 5.3.11 Limit level exceedance was recorded on 10 and 26 February 2018 at RTN3 - Yu Lee Mo Fan Memorial School was recorded in the reporting period and the exceedances were concluded as non-Project related.

- 5.3.12 No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009B

Reporting period of December 2017

- 5.3.13 No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.

- 5.3.14 No limit level exceedance was recorded at RTN2a- Hong Kong Electric Centre was recorded in the reporting period.

- 5.3.15 No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Reporting period of January 2018

- 5.3.16 No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.

- 5.3.17 Limit Level exceedance was recorded on 22 January 2018 at RTN2a- Hong Kong Electric Centre was recorded in the reporting period. The exceedance was concluded as non Project related.

- 5.3.18 No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

Reporting period of February 2018

- 5.3.19 No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in the reporting period.

- 5.3.20 No limit level exceedance was recorded at RTN2a - Hong Kong Electric Centre in the reporting period

- 5.3.21 No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre was recorded in the reporting period.

#### **5.4. Site Audit**

- 5.4.1 There was no non-compliance from the site audits in the reporting period. During environmental site inspections conducted during the reporting period, minor deficiencies were noted. However, the Contractor rectified all deficiencies after receipt of notification.

**5.5. Review of the Reasons for and the Implications of Non-compliance**

- 5.5.1 Breaking of paving surface at Pier F5 and F6 under Contract HY/2009/19 was conducted during the measurement on 20 December 2017 and breaking operation behind the IECL noise enclosure was observed as the major noise influence during measurement. Hence, the exceedance was considered as Project related. In view of the adjustment of limit level on the subsequent monitoring date with respect to the completion of school examination, no further exceedance was recorded during additional monitoring conducted on 21 December 2017 at the concerned location. Nevertheless, the Contractor of HY/2009/19 was advised to adopt additional noise mitigation measure for future breaking works, if any, at the concerned location during examination period, such as provision of localized movable noise barrier to ensure that the nearby noise sensitive receiver would not be adversely affected.
- 5.5.2 One limit level exceedance was recorded at RTN3- Yu Lee Mo Fan Memorial School was recorded on 03 January 2018 in the reporting period. After checking with Contractor, road milling works was observed conducted beyond the noise enclosure and contributed as the major noise impact during the time of monitoring and the exceedance was considered as Project related.
- 5.5.3 An EPD inspection record on Construction Noise Ordinance (Cap 400) regarding conducting Prescribed Construction Works (PCW) – Hammering within the designated area on 23 November 2017 contrary to Construction Noise Permit condition was issued to the Contractor of HY/2009/19 on 17 January 2018.
- 5.5.4 An EPD inspection record on Construction Noise Ordinance (Cap 400) regarding the conducting prescribed construction works – Handling of steel bar within the designated area during restricted hours on 21 January 2018 without a valid Construction Noise Permit was issued to the Contractor of HY/2009/19 on 22 January 2018.

**5.6. Summary of action taken in the event of and follow-up on non-compliance**

- 5.6.1 Upon identification of the noise concern, the Contractor was immediately notified of the observation. In view of subsequent monitoring data with respect to the completion of school examination, no further exceedance was recorded during additional monitoring conducted on 21 December 2017 at the concerned location, no further adverse impact was considered. Nevertheless, the Contractor of HY/2009/19 was advised to adopt additional noise mitigation measure for future breaking works, if any, at the concerned location during examination period, such as provision of localized movable noise barrier to ensure that the nearby noise sensitive receiver would not be adversely affected.
- 5.6.2 The work at the concerned location beyond the noise enclosure was completed after the recorded exceedance and no further exceedance was recorded. Nevertheless, in view of the recorded noise impact, the Contractor of HY/2009/19 was advised to provide noise mitigation measure including temporary noise barrier for future road milling works at the concerned location, if any, to avoid any further potential noise impact.
- 5.6.3 Follow up inspection on the concerned works area was conducted by the Environmental Team. The Contractor was advised to critically review the site control measure and enhance the site supervision to avoid conducting construction activities/ operation of PME without a valid Construction Noise Permit. Ad hoc site inspection was conducted by the Environmental Team and no further PCW works was observed conducted without a valid construction noise permit within the designated area during restricted hour.

## **6. COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION**

- 6.0.1 Four environmental complaints were received in the reporting period.
- 6.0.2 The first EPD complaint regarding the inspection report issued by the EPD on 24 August 2017 on improper dust suppression measure during excavation was referred to the ET on 06 September 2017. As clarified with the EPD, the concerned location of the observation refers to Portion 5 (West of Wanchai Ferry Pier).

ET confirmed with the Resident Site Staff that backfilling and compaction works were conducted under Contract HK/2009/02 for CWB Tunnel at the concerned location at Portion 5 (West of Wanchai Ferry Pier). According to RSS information, dust suppression measures including water spraying for stockpile stored on site was generally implemented by the Contractor of HK/2009/02 while it was observed and considered that the extent of water spraying was insufficient on 24 August 2017 at the aforesaid location.

Follow up inspection was conducted by the Environmental Team on 08 September 2017. Concerned stockpile of dusty materials at the concerned location at Portion 5 was observed removed from site and mitigation measure including compaction and water spraying for exposed soil surface at Portion 5 were implemented and no particular dust impact was observed at the concerned location at Portion 5. Subsequent follow up inspection was conducted by the Environmental Team on 11 September 2017. Exposed surface at construction site area Portion 5 was observed compacted and partially maintained in dampened condition. Despite no particular dust impact was observed, the Contractor of HK/2009/02 was further advised to review the site condition and adequately implement the following construction dust mitigation measures, as appropriate, to avoid potential dust impact to the surroundings:-

- i) Exposed earth shall be properly treated by compaction, turfing, hydro seeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within 6 months after the last construction activity on the construction site or part of the construction site where the exposed earth lies to avoid potential dust impact;
  - ii) Stockpile of dusty materials, if any, shall be either covered entirely by impervious sheeting; or placed in an area sheltered on the top and the 3 sides; or sprayed with water or a dust suppression chemical so as to maintain the entire surface wet and;
  - iii) Construction site surface with dusty materials should be sprayed with water to maintain entire surface wet to avoid potential dust impact to the surroundings.
- 6.0.3 Second ICC complaint referred by RSS was received by ET on 19 September 2017 (CASE#2-4242073505). The complainant reported that on recent Sundays during midnight hours, noise were emanated from road construction works and excavators for consecutive hours without any noise mitigation measures.

ET confirmed with the Resident Site Staff that Reinstatement of movement joint at Island East Corridor Westbound Carriageway was conducted under Contract HY/2010/08 between 0000hrs to 0700hrs on 10 September 2017(Sunday) and 17 September 2017(Sunday). Powered Mechanical Equipment (PME) including 2 nos. of electric breakers, 2 nos. of portable generator, 1 no. of saw cut machine, 2 nos. of grab lorry, 1 no. of mini concrete mixer, 1 no. of welding set and 1 no. of poker vibrator were deployed in separate groups between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017. Amongst the above, 2 nos. of electric breakers and 1 no. of saw cut machine were operated only between 0000hrs to 0200hrs and 1 no. of poker vibrator was only operated beyond 0600hrs.

Noise Mitigation measure including acoustic enclosure were provided locally for the use of electric breaker, portable generator and saw cut machine between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017.

- 6.0.4 ET confirmed with the Resident Site Staff that reinstatement of movement joint at Island East Corridor Westbound Carriageway was conducted under Contract HY/2010/08 between 0000hrs to 0700hrs on 10 September 2017(Sunday) and 17 September 2017(Sunday). Powered mechanical equipment (PME) including 2 nos. of electric breakers, 2 nos. of portable generator, 1 no. of saw cut machine, 2 nos. of grab lorry, 1 no. of mini concrete mixer, 1 no. of welding set and 1 no. of poker vibrator were deployed in separate PME groups between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017. Amongst the above, 2 nos. of electric breakers and 1 no. of saw cut machine were operated only between 0000hrs to 0200hrs and 1 no. of poker vibrator was only operated beyond 0600hrs on 10 and 17 September 2017. Noise Mitigation measure including acoustic enclosure were provided locally for the use of electric breaker, portable generator and saw cut machine between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017.

Based on the site information, the aforesaid PMEs were deployed under the Construction Noise Permit GW-RS0697-17 while it was found the PMEs were deployed beyond the specified area under the Construction Noise Permit GW-RS0697-17. It was further found that operation of grab lorry for the removal of concrete debris was conducted beyond the specified period allowed under condition 4.d.2 of Construction Noise Permit GW-RS0697-17. Additionally, based on the site layout and the operation location of 2 nos. of electric breakers, it is considered that the operation of the two electric hand held breakers could not fulfil the condition 3.d.7. under Construction Noise Permit GW-RS0697-17.

In view of the above findings, the Contractor of HY/2010/08 was requested to immediately implement the following rectification measures to ensure the strict compliance with the Noise Control Ordinance including i) Critically review the Construction Noise Permit(s) in force and renew the Construction Noise Permit(s), if necessary, for the tentative construction operations to ensure the strict compliance with the Construction Noise Permit under Noise Control Ordinance, ii) Review the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit and iii) Fully review the construction method, sequence and schedule to ensure

the construction operations and associated PME are operated within the specified allowable period in accordance with the relevant Construction Noise Permit.

- 6.0.5 Third ICC complaint was referred by RSS to the ET on 13 November 2017 (CASE Ref: #2-4320996036). The complainant reported that noise was emanated from construction works conducted opposite to City Garden Block 9 during morning hours from 0300hrs to 0500hrs and metal hammering noise was still emanated at night time causing nuisance to nearby residence.

ET confirmed with the Resident Site Staff that night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 40 around the concerned location from 0300hrs to 0500 hrs on 07 November 2017. Crane lorry for panel removal and hand tools for fixing of nuts were deployed with relevant Construction Noise Permit GW-RS0837-17. No construction works was conducted under Contract HY/2009/19 from 1900hrs to 2300hrs on 07 November 2017. Night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 38 around the concerned location from 0300hrs to 0500hrs on 08 November 2017. Crane lorry for panel removal and hand tools for fixing of nuts were deployed with relevant Construction Noise Permit GW-RS0837-17.

Night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 40 around the concerned location from 0300hrs to 0500 hrs on 07 November 2017. Crane lorry for panel removal and hand tools for fixing of nuts were deployed. Night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 38 around the concerned location from 0300hrs to 0500hrs on 08 November 2017 and crane lorry for panel removal and hand tools for fixing of nuts were deployed. Relevant Construction Noise Permit GW-RS0837-17 was in place for the above construction activities conducted under Contract HY/2009/19 outside the Designated Area zone under Noise Control Ordinance. No construction works was conducted under Contract HY/2009/19 from 1900hrs to 2300hrs on 07 November 2017. In view of the public concern, the Contractor of HY/2009/19 is recommended to adopt soft face hammer to minimize potential noise emanation during works and ii) minimize potential bumping sound with the ground by good practice of material handling to reduce the potential nuisance caused to the surrounding residents. The Contractor of HY/2009/19 was further reminded to observe and strictly follow condition 3.d.7 under relevant Construction Noise Permit GW-RS0837-17.

- 6.0.6 Forth EPD complaint (Case ref: H08/RS/00037826-17) was referred to the ET on 24 November 2017. The complainant reported that noise was emanated from construction works conducted at around 2200hrs at North Point New Reclamation Area, Oil Street, North Point.



ET confirmed with the Resident Site Staff that welding works to the steel strut at Approach Ramp Phase 2 (Portion X) were conducted under Contract HY/2009/19 on 20 November 2017 and total 3 nos. of welding machines were operated until 2130hrs. No works was conducted between 2130hrs to 2230hrs on 20 November 2017. No construction works was conducted under HY/2011/08 on 20 November 2017 between 2130hrs to 2230hrs. Welding works to the steel strut at Approach Ramp Phase 2 (Portion X) were conducted under Contract HY/2009/19 on 20 November 2017 and total 3 nos. of welding machines were operated until 2130hrs. No works was conducted between 2130hrs to 2230hrs on 20 November 2017. Meanwhile, no construction works was conducted under HY/2011/08 on 20 November 2017 between 2130hrs to 2230hrs.

Nevertheless, the Contractor of HY/2011/08 and the Contractor of HY/2009/19 were reminded to maintain proper site control and all construction activities to be conducted during restricted hours shall follow relevant Construction Noise Permit.

- 6.0.7 The details of cumulative complaint log and summary of complaints are presented in **Appendix 6.1**.
- 6.0.8 Four Summons to Defendant (Case No. ESS43568/2017, Case No. ESS43572/2017, Case No. 43570/2017 and Case No. 43574/2017) were issued to the Contractor(s) under Contract HK/2009/02 on 10 November 2017 regarding the cases against Section 6(1)(b) and 6(5), Noise Control Ordinance Cap 400.
- 6.0.9 Cumulative statistic on complaints and successful prosecutions are summarized in **Table 6.1** and **Table 6.2** respectively.

**Table 6.1 Cumulative Statistics on Complaints**

Reporting Period	No. of Complaints
Commencement of Works up to last reporting period	88
December 2017 to February 2018	4
<b>Project-to-Date</b>	<b>92</b>

**Table 6.2 Cumulative Statistics on Successful Prosecutions**

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this period (Offence Date)	Cumulative No. Project-to-Date
Air	1	0	1
Noise	1	0	1
Waste	-	0	0
<b>Total</b>	<b>2</b>	<b>0</b>	<b>2</b>

## **7. CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS**

- 7.0.1. According to Condition 3.4 of the EP-364/2009/E, this section addresses the relevant cumulative construction impact due to the concurrent activities of the current projects including the Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) and Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel).
- 7.0.2. According to the Final EM&A Report of Central Reclamation Phase III (CRIII) for Contract HK 12/02, the major construction activities were completed by end of January 2014 and no construction activities were undertaken thereafter and the water quality monitoring was completed in October 2011. As such, it is considered that there were no cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) undertaken by contractor HK12/02 in the reporting period.
- 7.0.3. The work at the concerned location beyond the noise enclosure was completed after the recorded exceedance and no further exceedance was recorded. Nevertheless, in view of the recorded noise impact, the Contractor of HY/2009/19 was advised to provide noise mitigation measure including temporary noise barrier for future road milling works at the concerned location, if any, to avoid any further potential noise impact.
- 7.0.4. Follow up inspection on the concerned works area was conducted by the Environmental Team. The Contractor was advised to critically review the site control measure and enhance the site supervision to avoid conducting construction activities/ operation of PME without a valid Construction Noise Permit. Ad hoc site inspection was conducted by the Environmental Team and no further PCW works was observed conducted without a valid construction noise permit within the designated area during restricted hour.
- 7.0.5. No significant air impact from construction activities was anticipated in the reporting period. Besides, no project related exceedance was recorded during the air and noise environmental monitoring events in the reporting period. Thus, it is evaluated that the cumulative construction impact from the concurrent projects including Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) was insignificant.

## **8. CONCLUSION**

- 8.0.1. The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed were made in response to changing circumstances.

### Air quality monitoring

- 8.0.2. One 24hr TSP action level exceedance and one 1hr TSP action level exceedance were recorded at CMA5b – Pedestrian Plaza on 11 and 12 December 2017 respectively in the reporting month and the exceedance was concluded as non-Project related.
- 8.0.3. One 1hr TSP action level exceedance were recorded at CMA5b – Pedestrian Plaza on 29 December 2017 in the reporting month and the exceedance was concluded as non-Project related.

### Noise monitoring

- 8.0.4. Two limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 04 and 11 December 2017 and the exceedances were concluded as non-Project related.
- 8.0.5. Two limit level exceedances were recorded at M6 – HK Baptist Church Henrietta Secondary School on 08 and 20 December 2017. The exceedance recorded on 08 was concluded as non-Project related while the exceedance recorded on 20 December 2017 was concluded as Project related.
- 8.0.6. Three limit level exceedances were recorded at M1a – Footbridge for Harbour Road Sports Center on 29 December, 16 and 23 January 2018 and the exceedances were concluded as non-Project related.
- 8.0.7. One limit level exceedance was recorded at M1a – Footbridge for Harbour Road Sports Center on 02 February 2018 and the exceedance was concluded as non-Project related.

### Real time noise monitoring

- 8.0.8. No limit level exceedance was recorded in December, January and February reporting month at RTN1- FEHD Hong Kong Transport Section Whitfield Depot during this reporting period.
- 8.0.9. No limit level exceedance was recorded in December reporting month and no project related exceedance was recorded in January and February reporting period at RTN2a-Hong Kong Electric Centre during this reporting period.



- 8.0.10. No limit level exceedance was recorded in December reporting period at RTN3-Yu Lee Mo Fan Memorial School during this reporting period. One project related exceedance was recorded at RTN3 – Yu Lee Mo Fan Memorial School on 03 January 2018 and other non-exceedances were recorded in the reporting period were concluded as non-Project related and non-Project related exceedances were recorded at RTN3 – Yu Lee Mo Fan Memorial School in February during this reporting period.
- 8.0.11. No limit level related exceedance was recorded in December, January and February reporting period at RTN4- Causeway Bay Community Centre in the reporting period.

Environmental Complaints

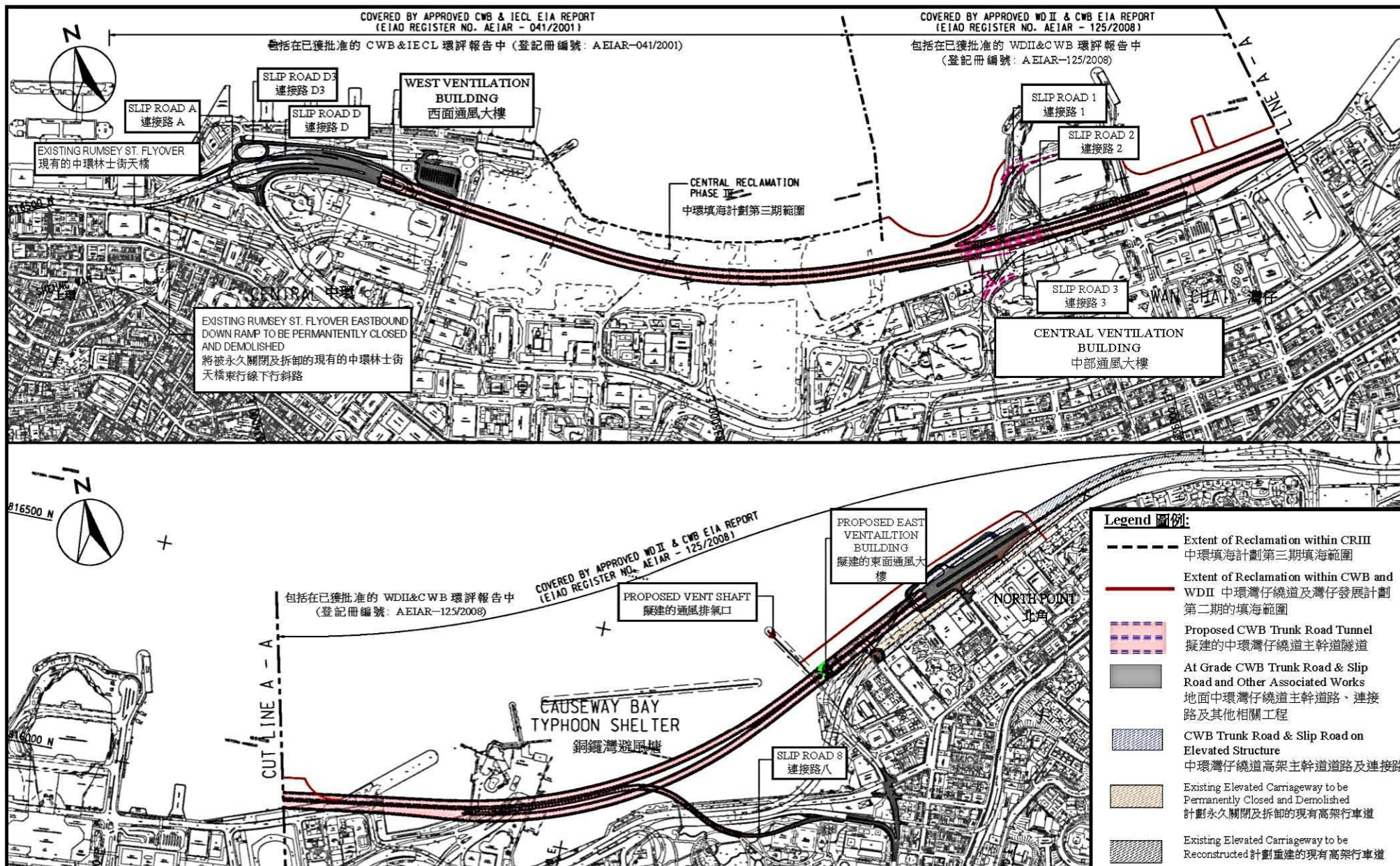
- 8.0.12. Four environmental complaints were received in the reporting period.
- 8.0.13. The construction programmes of individual contracts are provided in **Appendix 8.1**.



***Figure 2.1***

***Project Layout***





Project Title: Central-Wanchai Bypass (CWB) Including Its Road Tunnel and Slip Roads  
工程項目名稱: 中環灣仔繞道包括其行車隧道及連接路

Environmental Permit No.: EP-364/2009/E  
環境許可證編號: EP-364/2009/E

Figure 1: Location of the Project  
圖 1: 工程項目位置

(This figure was prepared based on Figure 1.1 of the Application for Environmental Permit (Application No.: AEP-364/2009))  
(本圖是根據環境許可證的申請(申請書編號 AEP-364/2009 圖 1.1 編製))

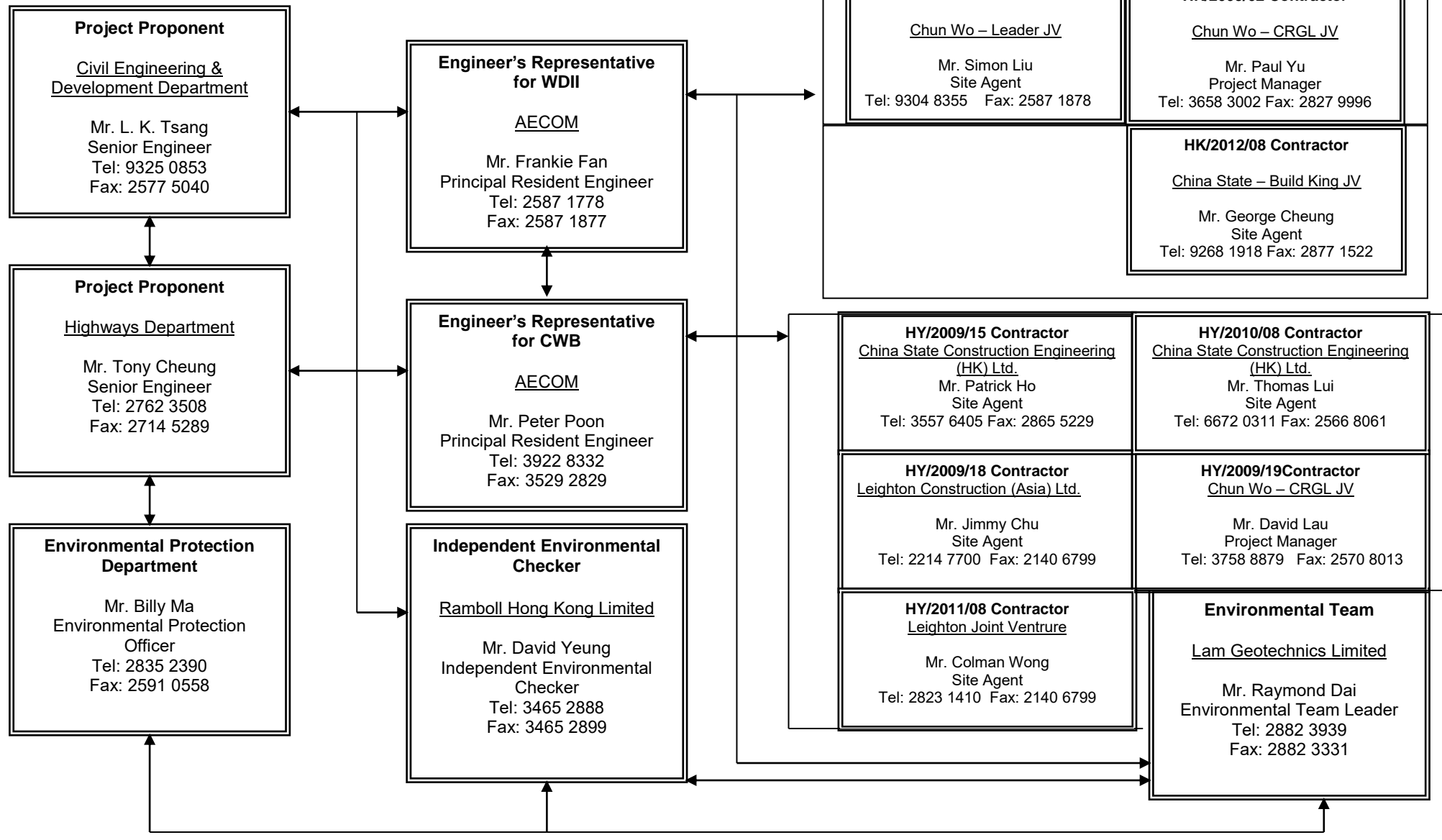


***Figure 2.2***

***Project Organization Chart***



**Project Organization Chart**





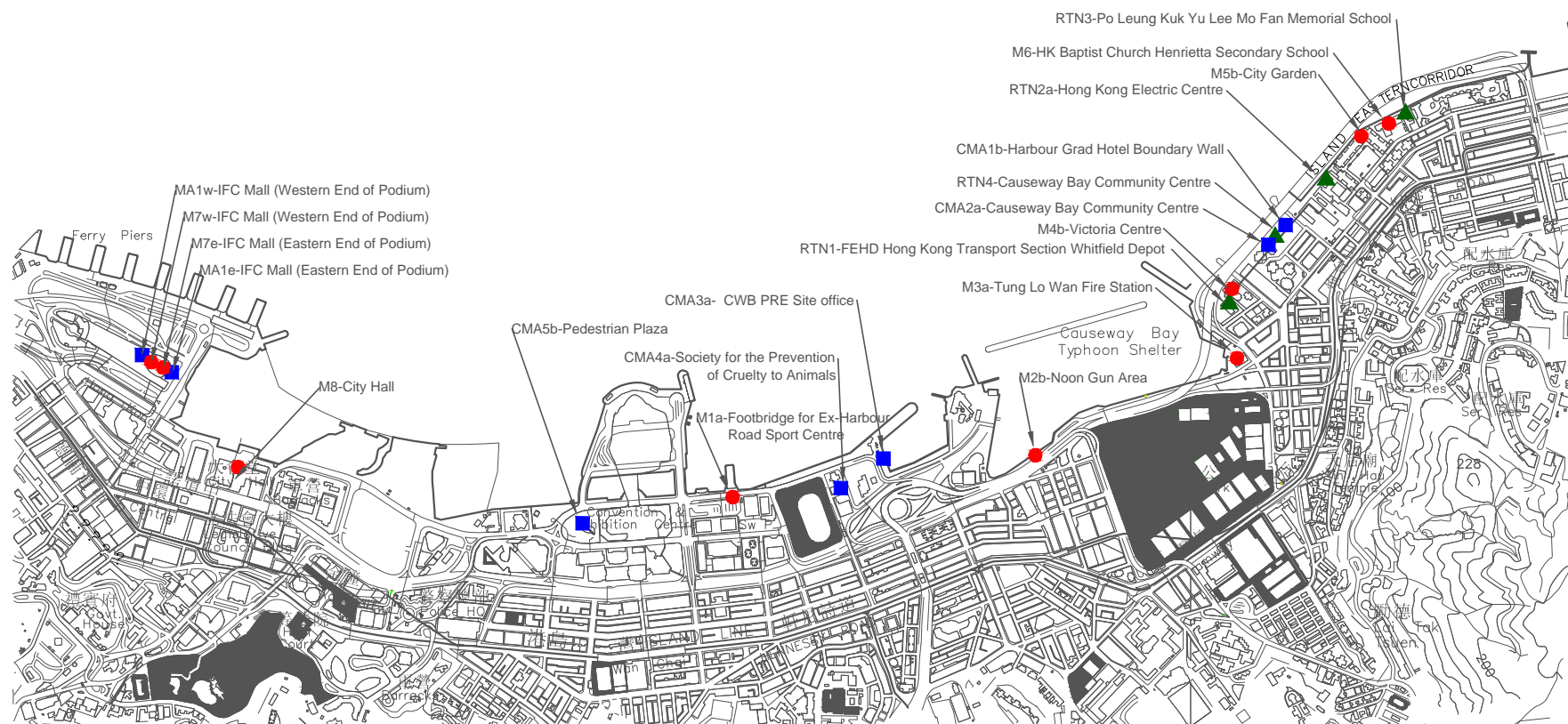


***Figure 3.1***

***Locations of Monitoring Stations***

## Legend

- Noise Monitoring Station
- Air Monitoring Station
- ▲ Real-time Noise Monitoring Station



# LOCATIONS OF AIR QUALITY AND NOISE MONITORING STATIONS



***Appendix 2.1***

***Environmental Mitigation Implementation Schedule***

**IMPLEMENTATION SCHEDULE OF THE PROPOSED MITIGATION MEASURES****Table A.1 Implementation Schedule for Air Quality Control**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
S3.6.5	Four times a day watering of the work site with active operations.	Work site / during construction	Contractor		√			EIAO-TM
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"><li>Strictly limit the truck speed on site to be low 10 km per hour and water spraying to keep the haul roads in wet condition;</li><li>Watering during excavation and material handling;</li><li>Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and</li><li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li></ul>	Work site / during construction	Contractor		√			
Operational Phase								
S3.6.53 – S3.6.54	The design parameters of the East and Central Ventilation Buildings as set in Tables 3.10 and 3.11 of Volume 1 of the WDII & CWB EIA Report.	East and Central Ventilation Buildings / During operation of the Trunk Road	HyD			√		
S3.10.2	Air quality monitoring for the operation performance of the East Ventilation Building and associated East Vent Shaft will be conducted.	East Vent Shaft / During operation of the East Ventilation Building and associated East Vent Shaft	HyD			√		EIAO-TM

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

**Table A.2 Implementation Schedule for Noise Control**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
S4.9.3	Good Site Practice: <ul style="list-style-type: none"><li>Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program.</li><li>Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program.</li><li>Mobile plant, if any, shall be sited as far away from NSRs as possible.</li><li>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.</li><li>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.</li><li>Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from on-site construction activities.</li></ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO
S4.8.1 – S4.8.11	Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks: <ul style="list-style-type: none"><li>Slip road &amp; tunnel</li><li>Construction of diaphragm wall and substructures of the tunnel approach ramp</li><li>Excavation</li><li>Construction of slabs</li><li>Backfill</li></ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO

WDH & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<ul style="list-style-type: none"> <li>Demolition and construction of substructures for the IEC</li> <li>Demolition works of existing piers and cross heads of the marine section of the existing IEC</li> </ul> <p>Use of PME grouping for the following tasks:</p> <ul style="list-style-type: none"> <li>At-grade road construction</li> <li>Substructure for IECL connection</li> </ul>							
<b>Operation Phase</b>								
S4.8.12 – S4.8.23	<p>For Existing NSRs</p> <ul style="list-style-type: none"> <li>about 235m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC</li> <li>about 230m length of noise semi-enclosure with transparent panel covering the main carriageways (eastbound and westbound) of the CWB and IEC</li> <li>about 135m length of 5.5m high cantilevered noise barrier with 4.5m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC (amended under EP-364/2009/A)</li> <li>about 95m length of 5.5m high cantilevered noise barrier with 1m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC</li> <li>about 350m length of 3.5m high vertical noise barrier with transparent panel on the eastbound slip road to the IEC</li> <li>low noise road surfacing for the trunk road (except tunnel section and beneath the landscaped deck at the eastern portal area)) with speed limit of 70 km/hour</li> </ul>	Near North Point / Before commencement of operation of road project	HyD	√	√	√	EIAO-TM	

WDH & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p>For Future/Planned NSRs</p> <ul style="list-style-type: none"> <li>about 265m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC</li> <li>The openable windows of the temple, if any, should be orientated so as to avoid direct line of sight to the existing Victoria Park Road as far as practicable.</li> </ul>	<p>In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of Planned NSRs in CDA and CDA(1) sites.</p> <p>Near Causeway Bay Fire Station / During detailed design of the re-provisioned Tin Hau Temple</p>	<p>HyD</p> <p>Project Proponent for the re-provisioned Tin Hau Temple</p>	<p>√</p> <p>√</p>	<p>#</p>			

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

# Only the steel frame for this section of noise semi-enclosure would be erected in advance during the construction of the westbound slip road.

**Table A.4 Implementation Schedule for Waste Management**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
S6.5.14	<b>Floating Refuse</b> During the construction phase, the project proponent's contractor will be responsible for the collection of any refuse within their works area. Floating booms will be provided on the water surface to confine the refuse from the working barges as well as to avoid the accumulation of pollutants within temporary embayment as mentioned in Table D9.3.	Work site / During the construction period	Contractor		√			
S6.6.1	<b>Good Site Practices</b> Recommendations for good site practices during the construction activities include: <ul style="list-style-type: none"><li>• 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;</li><li>• training of site personnel in proper waste management and chemical waste handling procedures;</li><li>• provision of sufficient waste disposal points and regular collection for disposal;</li><li>• appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;</li><li>• regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and</li><li>• a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).</li></ul>	Work site / During the construction period	Contractor		√			Waste Disposal Ordinance (Cap.354)



WDH & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.2	<p><i>Waste Reduction Measures</i></p> <p>Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• to encourage collection of aluminium cans, PET bottles and paper, separate labelled bins shall be provided to segregate these wastes from other general refuse generated by the work force;</li> <li>• any unused chemicals or those with remaining functional capacity shall be recycled;</li> <li>• use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&amp;D material.</li> <li>• prior to disposal of C&amp;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;</li> <li>• proper storage and site practices to minimise the potential for damage or contamination of construction materials; and</li> <li>• plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.</li> </ul>	Work site / During planning and design stage, and construction stage	Contractor	√	√			

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.4	<p><i>General Refuse</i></p> <p>General refuse shall be stored in enclosed bins or compaction units separate from C&amp;D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&amp;D material.</p> <p>A collection area shall be provided where wastes can be stored and loaded prior to removal from site. An enclosed and covered area is recommended to reduce the occurrence of 'wind blow' light material.</p>	Work site / During the construction period	Contractor		√			Public Health and Municipal Services Ordinance (Cap. 132)
S6.6.5	<p><i>Chemical Wastes</i></p> <p>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.</p>	Work site / During the construction period	Contractor		√			<p>Waste Disposal (Chemical Waste) (General) Regulation</p> <p>Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes</p>
S6.6.6	<p><i>Construction and Demolition Material</i></p> <p>C&amp;D material shall be sorted on-site into inert C&amp;D material (that is, public fill) and C&amp;D waste. All the suitable inert C&amp;D material shall be broken down to 250 mm in size for re-use as public fill in the WDII reclamation. C&amp;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.</p>	Work site / During the construction period	Contractor		√			ETWB TCW No. 33/2002, 31/2004, 19/2005

WDH & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.7	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.	Work site / During the construction period	Contractor and Independent Environmental Checker		√			ETWB TCW No. 31/2004
S6.6.8	<p><i>Bentonite Slurry</i></p> <p>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:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> </ul>	Work site / During the construction period	Contractor		√			ProPECC PN 1/94

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

**Table A.5 Implementation Schedule for Land Contamination**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction and Operation Phase								
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.	- -						-

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

**Table A.7 Implementation Schedule for Landscape and Visual**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures		Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
					Des	C	O	Dec	
Construction Phase									
Table 10.5	CM1	Topsoil, where identified, shall be stripped and stored for re-use i n t he c onstruction of the soft l andscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM2	Existing t rees t o be retained on si te shall be car efully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3	Trees unavoidably affected b y t he works s hall b e transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4	Compensatory tree pl anting sha ll b e provi ded to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5	Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6	Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Operation Phase									
Table 10.6, Figure 10.5.1-10.5.5	OM1	Aesthetic design of b uildings and road-related structures, including v iaducts, ve nt buildings, subw ays, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	HyD	√	√	√	ETW	B TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM3	Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	HyD	√	√	√	ETW	B TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM5	Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	HyD	√	√	√	ETW	B TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM6	Aesthetic design of roadside amenity areas.	Work site / During Design Stage and Operation Phases	HyD	√	√	√	ETW	B TCW 2/2004

\*Des - Design, C - Construction, O – Operation, and Dec - Decommissioning



***Appendix 3.1***

***Action and Limit Level***

## Action and Limit Level

### *Action and Limit Level for Noise Monitoring*

Time Period	Action Level	Limit Level
07:00 – 19:00 hours on normal weekdays	When one documented complaint is received.	75 dB(A)/ 70 dB(A)/ 65 dB(A) <sup>Note 1</sup>

Note 1:

- 70dB(A) and 65 dB(A) for schools during normal teaching periods and school examination periods, respectively.
- If works are to be carried out during the restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

### *Action and Limit Level for Air Monitoring*

Monitoring Location	1-hour TSP Level in $\mu\text{g}/\text{m}^3$		24-hour TSP Level in $\mu\text{g}/\text{m}^3$	
	Action Level	Limit Level	Action Level	Limit Level
CMA1b	320.1	500	176.7	260
CMA2a	323.4	500	169.5	260
CMA3a	311.3	500	171.0	260
CMA4a	312.5	500	171.2	260
CMA5b	332.0	500	181.0	260
MA1e	325.1	500	173.4	260
MA1w	325.1	500	173.4	260



***Appendix 4.1***

***Noise Monitoring Results and Graphical Presentations***





## Noise Monitoring Result

### Day Time (0700 - 1900hrs on normal weekdays)

Location: M1a - Footbridge at EX-Wanchai Harbour Road Sports Centre

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
27/11/17	15:00	Cloudy	76.5	78.5	72.3	72	74	75
4/12/17	13:45	Fine	79.1	81.5	75.1	72	78	75
11/12/17	10:15	Fine	77.9	80.2	74.2	72	77	75
21/12/17	14:15	Fine	76.0	78.1	72.9	72	74	75

Location: M2b - Noon-day gun area

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
27/11/17	15:35	Cloudy	67.6	69.1	65.6	68	68	75
4/12/17	10:15	Fine	67.4	68.9	65.4	68	67	75
11/12/17	16:00	Fine	68.8	70.6	66.0	68	63	75
21/12/17	14:55	Fine	69.0	71.7	66.4	68	63	75

Location: M3a - Tung Lo Wan Fire Station

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
28/11/17	09:10	Fine	64.9	66.7	62.5	69	65	75
5/12/17	08:20	Fine	64.6	66.5	62.0	69	65	75
15/12/17	08:40	Fine	63.9	65.8	61.7	69	64	75
20/12/17	08:25	Fine	65.3	67.2	61.5	69	65	75

Location: M4b - Victoria Centre

Date	Time	Weather	Measurement Noise Level			Baseline Noise Level	Construction Noise Level		Limit Level
			Leq	L10	L90	Leq	Leq	Leq	
Unit: dB(A), (30min)									
28/11/17	09:50	Fine	66.7	68.3	64.6	67	67		75
5/12/17	09:20	Fine	69.0	71.3	66.0	67	64		75
15/12/17	09:20	Fine	65.1	66.9	62.3	67	65		75
20/12/17	09:00	Fine	64.9	66.5	62.7	67	65		75

Location: M5b - City Garden

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30min)								
28/11/17	10:35	Fine	71.7	74.0	68.8	68	69	75
5/12/17	10:30	Fine	69.2	70.8	66.9	68	63	75
15/12/17	10:20	Fine	70.7	72.2	68.3	68	67	75
20/12/17	09:45	Fine	71.9	74.9	65.9	68	70	75

Location: M6 - HK Baptist Church Henrietta Secondary School

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
28/11/17	11:10	Fine	68.4	69.8	66.8	71	68	70
8/12/17	10:10	Fine	69.1	71.3	66.7	71	69	65
15/12/17	10:55	Fine	64.4	65.4	62.3	71	64	65
20/12/17	10:20	Fine	68.6	71.0	64.6	71	69	65



## Noise Monitoring Result

### Day Time (0700 - 1900hrs on normal weekdays)

Location: M7e - International Finance Centre (Eastern End of Podium) (Reference Station)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
28/11/17	14:00	Fine	69.6	71.6	65.6	67	66	N/A
5/12/17	15:07	Fine	67.3	69.2	64.0	67	58	N/A
11/12/17	13:45	Fine	70.7	73.2	65.9	67	68	N/A
18/12/17	14:05	Fine	67.0	68.2	64.4	67	54	N/A

Location: M7w - International Finance Centre (Western End of Podium)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
28/11/17	14:40	Fine	66.7	68.8	63.7	69	67	75
5/12/17	15:45	Fine	66.9	68.3	63.6	69	67	75
11/12/17	14:25	Fine	68.6	69.3	65.5	69	69	75
18/12/17	13:30	Fine	64.9	66.9	61.6	69	65	75

Location: M8 - City Hall

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
28/11/17	15:25	Fine	63.6	66.4	58.2	64	64	70
5/12/17	14:15	Fine	64.7	65.9	58.5	64	56	70
11/12/17	15:10	Fine	60.4	62.7	56.0	64	60	70
21/12/17	09:05	Fine	60.0	62.2	56.7	64	60	70



### Noise Monitoring Result

#### Day Time (0700 - 1900hrs on normal weekdays)

Location: M1a - Footbridge at EX-Wanchai Harbour Road Sports Centre

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
29/12/2017	13:50	Fine	77.6	70.7	72.3	72	76	75
2/1/2018	09:30	Fine	76.4	78.5	72.2	72	74	75
11/1/2018	13:40	Fine	76.1	78.7	72.3	72	74	75
16/1/2018	13:45	Fine	78.9	80.2	75.2	72	78	75
23/1/2018	13:15	Fine	88.3	93.7	73.9	72	88	75

Location: M2b - Noon-day gun area

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
27/12/2017	15:15	Fine	69.0	71.6	66.2	68	63	75
2/1/2018	10:15	Fine	69.0	70.7	66.1	68	63	75
11/1/2018	14:35	Fine	68.2	69.5	64.9	68	59	75
16/1/2018	15:00	Fine	72.9	77.3	65.5	68	71	75
23/1/2018	11:05	Fine	68.3	70.8	64.9	68	60	75

Location: M3a - Tung Lo Wan Fire Station

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
27/12/2017	15:55	Fine	64.3	66.2	62.2	69	64	75
2/1/2018	11:00	Fine	66.2	67.8	64.3	69	66	75
11/1/2018	08:35	Fine	67.1	68.6	65.3	69	67	75
16/1/2018	09:05	Fine	64.1	65.8	61.8	69	64	75
23/1/2018	14:30	Fine	64.4	65.9	62.3	69	64	75

Location: M4b - Victoria Centre

Date	Time	Weather	Measurement Noise Level			Baseline Noise Level	Construction Noise Level		Limit Level
			Leq	L10	L90	Leq	Leq	Leq	
Unit: dB(A), (30min)									
27/12/2017	09:35	Fine	66.1	67.6	63.2		66	75	
5/1/2018	09:00	Fine	64.9	66.7	62.2	67	65	75	
11/1/2018	09:15	Fine	69.6	70.5	62.4	67	66	75	
16/1/2018	09:45	Fine	71.5	73.8	64.4	67	69	75	
25/1/2018	08:02	Fine	64.5	66.2	62.0	67	65	75	

Location: M5b - City Garden

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30min)					
27/12/2017	10:10	Fine	70.7	72.6	68.3	68	67	75
5/1/2018	09:45	Fine	68.7	70.2	66.4	68	60	75
11/1/2018	10:00	Fine	71.9	72.9	67.8	68	70	75
16/1/2018	10:30	Fine	69.0	70.6	66.7	68	62	75
25/1/2018	09:55	Fine	68.7	69.8	66.3	68	60	75

Location: M6 - HK Baptist Church Henrietta Secondary School

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
27/12/2017	10:45	Fine	68.5	69.9	66.8	71	69	70
5/1/2018	10:25	Fine	67.2	68.5	65.7	71	67	70
11/1/2018	10:40	Fine	67.7	69.0	66.0	71	68	70
16/1/2018	11:10	Fine	67.7	68.8	66.3	71	68	70
25/1/2018	10:35	Fine	70.9	72.2	68.8	71	57	65



Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)

Location: M7e - International Finance Centre (Eastern End of Podium) (Reference Station)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
27/12/2017	13:45	Fine	69.6	72.6	64.3	67	66	N/A
2/1/2018	14:10	Fine	67.9	69.9	64.7	67	61	N/A
10/1/2018	14:50	Fine	68.0	70.4	64.3	67	62	N/A
15/1/2018	14:30	Fine	69.3	72.9	63.5	67	66	N/A
22/1/2018	14:45	Fine	66.7	69.0	62.6	67	67	N/A

Location: M7w - International Finance Centre (Western End of Podium)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
27/12/2017	14:20	Fine	66.4	68.4	63.4	69	66	75
2/1/2018	14:50	Fine	66.5	69.3	62.3	69	67	75
10/1/2018	15:25	Fine	65.2	67.1	62.4	69	65	75
15/1/2018	13:50	Fine	66.3	68.2	62.9	69	66	75
22/1/2018	15:20	Fine	64.1	65.7	61.7	69	64	75

Location: M8 - City Hall

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
27/12/2017	13:00	Fine	62.2	65.0	58.5	64	62	70
2/1/2018	13:25	Fine	63.7	65.5	61.1	64	64	70
10/1/2018	14:05	Fine	62.3	63.6	61.0	64	62	70
15/1/2018	15:30	Fine	60.5	62.5	57.1	64	61	70
22/1/2018	13:50	Fine	59.3	61.3	56.2	64	59	70



## Noise Monitoring Result

### Day Time (0700 - 1900hrs on normal weekdays)

Location: M1a - Footbridge at EX-Wanchai Harbour Road Sports Centre

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
2/2/18	10:00	Fine	81.7	84.5	73.6	72	81	75
7/2/18	10:20	Fine	77.0	79.0	73.3	72	75	75
12/2/18	9:55	Fine	76.5	78.9	72.8	72	74	75
22/2/18	11:00	Cloudy	77.1	79.3	72.6	72	75	75

Location: M2b - Noon-day gun area

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
29/1/18	15:15	Fine	67.8	69.3	65.4	68	54	75
7/2/18	11:15	Fine	66.8	68.2	64.7	68	67	75
12/2/18	10:45	Fine	66.2	67.7	64.0	68	66	75
22/2/18	13:00	Cloudy	68.7	70.9	65.6	68	62	75

Location: M3a - Tung Lo Wan Fire Station

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
31/1/18	15:50	Cloudy	64.8	66.6	62.0	69	65	75
6/2/18	15:30	Fine	64.3	66.0	62.1	69	64	75
13/2/18	9:00	Fine	64.4	65.9	62.2	69	64	75
23/2/18	8:20	Cloudy	65.6	67.0	62.9	69	66	75

Location: M4b - Victoria Centre

Date	Time	Weather	Measurement Noise Level			Baseline Noise Level	Construction Noise Level		Limit Level
			Leq	L10	L90	Leq	Leq	Leq	
			Unit: dB(A), (30min)						
31/1/18	08:15	Cloudy	64.8	66.8	62.2	67	65	75	
6/2/18	09:30	Fine	66.4	68.1	63.9	67	66	75	
13/2/18	09:35	Fine	66.0	67.6	63.9	67	66	75	
22/2/18	14:20	Cloudy	65.7	67.7	62.9	67	66	75	

Location: M5b - City Garden

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30min)					
31/1/18	10:00	Cloudy	69.5	70.5	67.1	68	64	75
6/2/18	10:15	Fine	69.5	70.2	66.7	68	64	75
13/2/18	10:20	Fine	67.0	68.4	64.9	68	67	75
23/2/18	9:45	Cloudy	68.9	70.2	66.5	68	62	75

Location: M6 - HK Baptist Church Henrietta Secondary School

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
1/2/18	10:00	Fine	65.4	67.7	62.8	71	65	65
6/2/18	10:55	Fine	64.5	67.1	63.7	71	65	65
13/2/18	10:55	Fine	66.2	67.4	63.7	71	66	70
23/2/18	10:22	Cloudy	70.3	72.4	69.2	71	70	70



## Noise Monitoring Result

### Day Time (0700 - 1900hrs on normal weekdays)

Location: M7e - International Finance Centre (Eastern End of Podium) (Reference Station)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
29/1/18	10:45	Fine	68.0	69.3	62.8	67	62	N/A
6/2/18	14:35	Fine	67.4	69.3	63.8	67	59	N/A
12/2/18	14:05	Fine	67.1	68.8	63.5	67	55	N/A
20/2/18	14:00	Fine	64.4	65.7	61.8	67	64	N/A

Location: M7w - International Finance Centre (Western End of Podium)

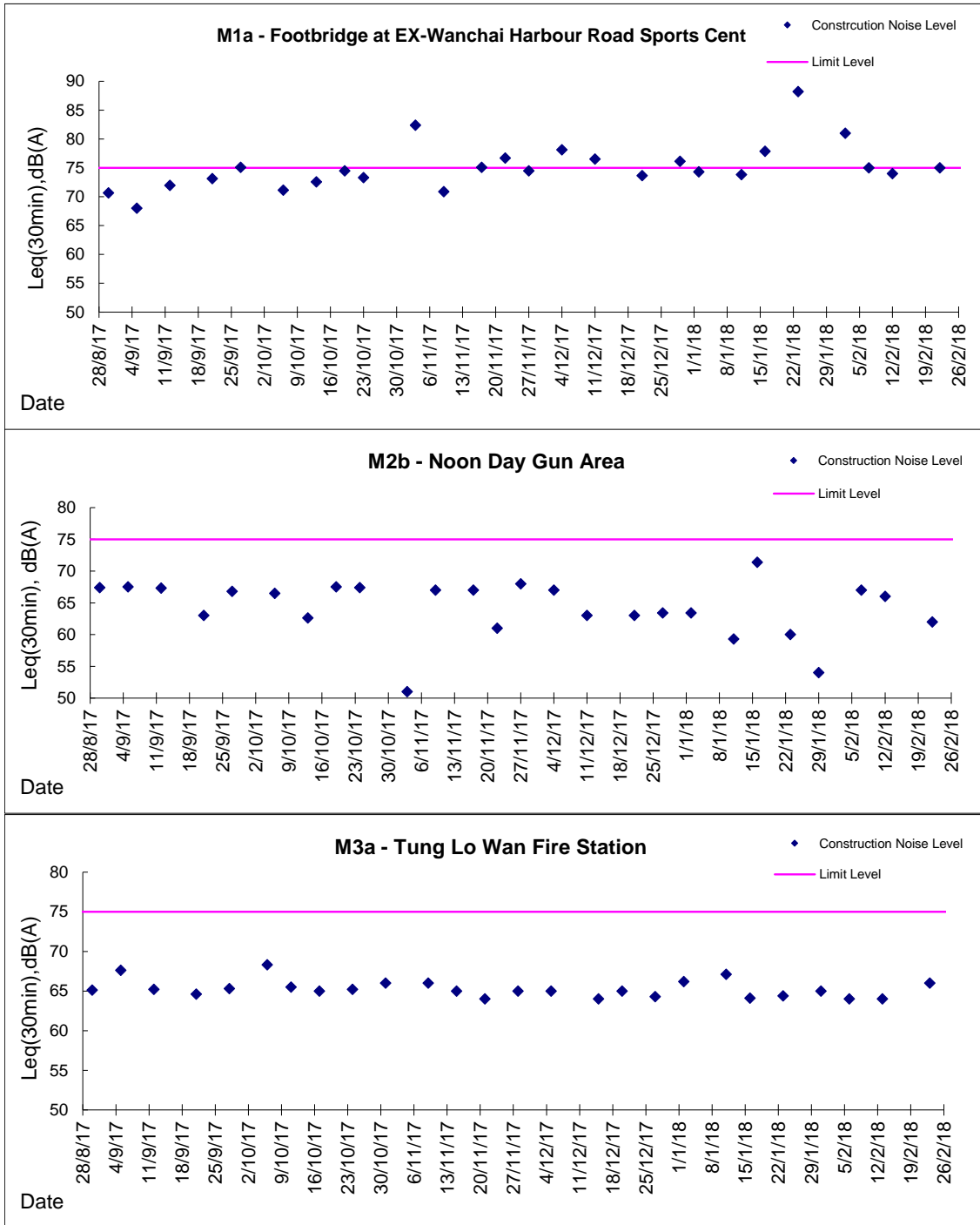
Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
29/1/18	11:20	Fine	64.7	66.8	61.7	69	65	75
6/2/18	14:00	Fine	65.3	66.8	62.5	69	65	75
12/2/18	13:30	Fine	65.5	66.6	62.5	69	66	75
20/2/18	13:25	Fine	63.7	65.0	61.3	69	64	75

Location: M8 - City Hall

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
31/1/18	14:35	Fine	61.8	63.5	57.9	64	62	70
6/2/18	13:20	Fine	61.2	63.1	57.9	64	61	70
12/2/18	14:50	Fine	60.3	62.8	56.7	64	60	70
20/2/18	14:35	Fine	63.0	64.8	60.1	64	63	70

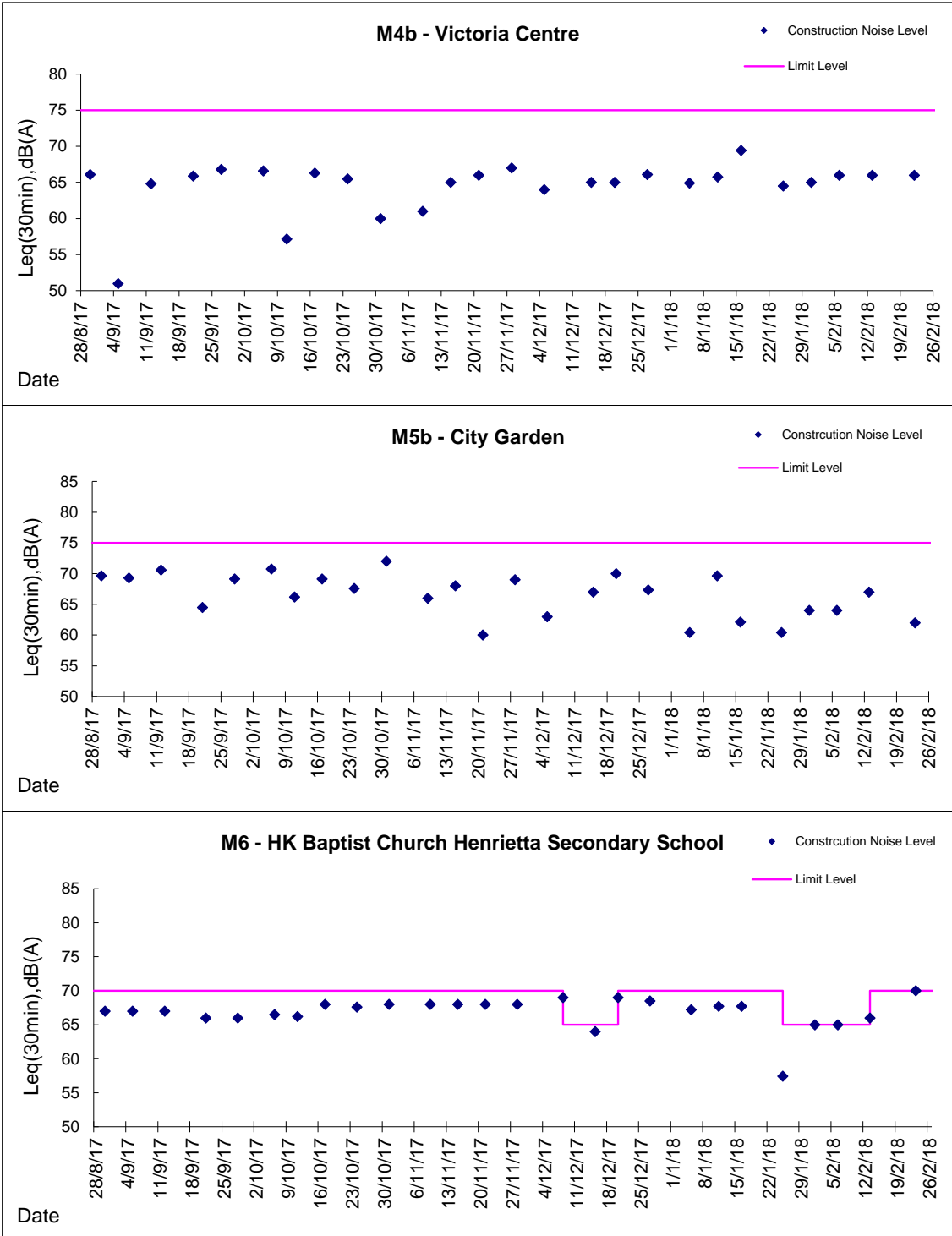
**Graphic Presentation of Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**



**Graphic Presentation of Noise Monitoring Result**

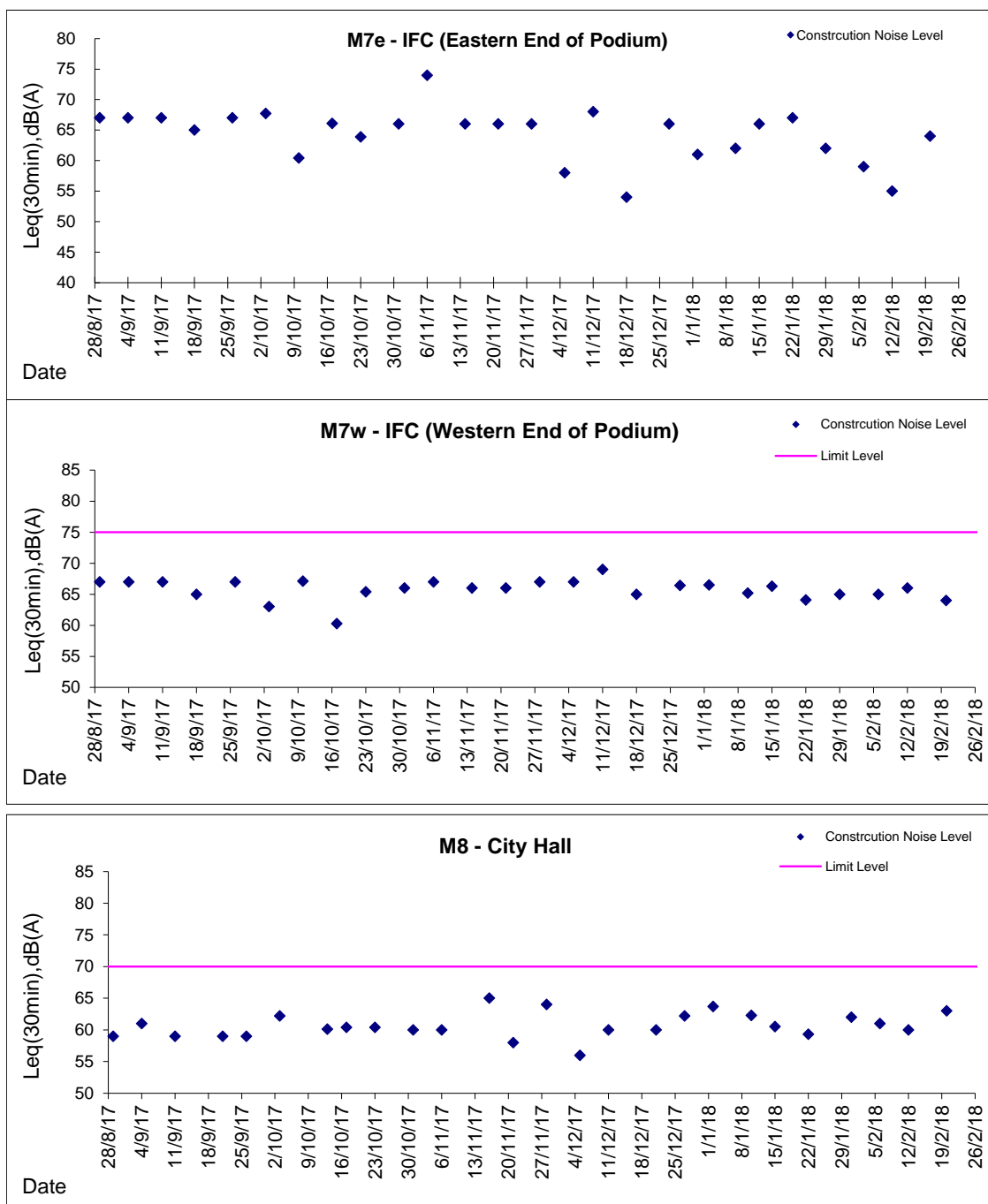
**Day Time (0700 - 1900hrs on normal weekdays)**





# Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



\* Remark: M7e - IFC (Eastern End of Podium) is a reference monitoring station



***Appendix 4.2***

***Real Time Noise Monitoring Results and Graphical Presentations***



***Appendix 4.3***

***Air Quality Monitoring Results and Graphical Presentations***



Location: CMA1b - Harbour Grand Hotel Boundary Wall

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 176.7

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Nov-17	8:00	Cloudy	23288	2.6834	2.7813	10931.41	10955.41	24.00	1.18	1.18	1.18	1703	57.5
5-Dec-17	8:00	Fine	23283	2.6764	2.8109	10958.42	10982.42	24.00	1.19	1.19	1.19	1714	78.5
11-Dec-17	8:00	Fine	23243	2.6657	2.8518	10985.42	11009.42	24.00	1.19	1.19	1.19	1714	108.6
16-Dec-17	8:00	Fine	23359	2.6888	2.8547	11012.42	11036.42	24.00	1.20	1.21	1.20	1730	95.9
22-Dec-17	8:00	Fine	23342	2.6791	2.8211	11039.42	11063.42	24.00	1.19	1.19	1.19	1716	82.7

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 320.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Nov-17	8:05	Cloudy	23182	2.6711	2.6738	10955.41	10956.41	1.00	1.18	1.18	1.18	71	38.0
30-Nov-17	10:25	Cloudy	23159	2.6735	2.6778	10956.41	10957.41	1.00	1.18	1.18	1.18	71	60.5
30-Nov-17	13:00	Cloudy	23174	2.6837	2.6893	10957.41	10958.41	1.00	1.18	1.18	1.18	71	78.8
6-Dec-17	8:10	Fine	23141	2.6611	2.6773	10982.42	10983.42	1.00	1.19	1.19	1.19	71	226.9
6-Dec-17	10:35	Fine	23259	2.6744	2.6845	10983.42	10984.42	1.00	1.19	1.19	1.19	71	141.5
6-Dec-17	13:00	Fine	23273	2.6558	2.6720	10984.42	10985.42	1.00	1.19	1.19	1.19	71	226.9
12-Dec-17	8:50	Cloudy	23376	2.6667	2.6824	11009.42	11010.42	1.00	1.19	1.19	1.19	71	219.7
12-Dec-17	13:00	Cloudy	23369	2.6692	2.6770	11010.42	11011.42	1.00	1.19	1.19	1.19	71	109.1
12-Dec-17	14:15	Cloudy	22852	2.6767	2.6854	11011.42	11012.42	1.00	1.19	1.19	1.19	71	121.7
18-Dec-17	8:05	Fine	23337	2.6818	2.6930	11036.42	11037.42	1.00	1.20	1.20	1.20	72	155.1
18-Dec-17	9:50	Fine	23481	2.6008	2.6078	11037.42	11038.42	1.00	1.20	1.20	1.20	72	96.9
18-Dec-17	13:00	Fine	23339	2.6802	2.6862	11038.42	11039.42	1.00	1.20	1.20	1.20	72	83.1
23-Dec-17	8:15	Fine	23440	2.6173	2.6266	11063.42	11064.42	1.00	1.19	1.19	1.19	71	130.3
23-Dec-17	9:38	Fine	23436	2.6079	2.6152	11064.42	11065.42	1.00	1.19	1.19	1.19	71	102.3
23-Dec-17	10:40	Fine	23569	2.6209	2.6271	11065.42	11066.42	1.00	1.19	1.19	1.19	71	86.9



Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 169.5  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Nov-17	8:00	Cloudy	23289	2.6857	2.7614	20503.27	20527.27	24.00	1.23	1.23	1.23	1773	42.7
5-Dec-17	8:00	Fine	23277	2.6617	2.8257	20530.28	20554.28	24.00	1.27	1.27	1.27	1829	89.7
11-Dec-17	8:00	Fine	23250	2.6831	2.8710	20557.28	20581.28	24.00	1.24	1.24	1.24	1786	105.2
16-Dec-17	8:00	Fine	23358	2.7038	2.8524	20584.28	20608.28	24.00	1.22	1.23	1.22	1761	84.4
22-Dec-17	8:00	Fine	23341	2.6635	2.8274	20611.30	20635.30	24.00	1.30	1.30	1.30	1874	87.4

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 323.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Nov-17	8:05	Cloudy	23284	2.7000	2.7019	20527.27	20528.27	1.00	1.23	1.23	1.23	74	25.7
30-Nov-17	10:25	Cloudy	23158	2.6753	2.6794	20528.27	20529.27	1.00	1.17	1.17	1.17	70	58.2
30-Nov-17	13:00	Cloudy	23165	2.6632	2.6682	20529.27	20530.27	1.00	1.23	1.17	1.20	72	69.3
6-Dec-17	8:15	Fine	23142	2.6595	2.6684	20554.28	20555.28	1.00	1.30	1.30	1.30	78	114.2
6-Dec-17	10:30	Fine	23258	2.6686	2.6795	20555.28	20556.28	1.00	1.30	1.30	1.30	78	139.8
6-Dec-17	13:00	Fine	23274	2.6757	2.6830	20556.28	20557.28	1.00	1.30	1.30	1.30	78	93.6
12-Dec-17	8:52	Cloudy	23370	2.6633	2.6728	20581.28	20582.28	1.00	1.18	1.18	1.18	71	134.0
12-Dec-17	13:00	Cloudy	23368	2.6856	2.6924	20582.28	20583.28	1.00	1.18	1.18	1.18	71	95.9
12-Dec-17	14:10	Cloudy	22853	2.6673	2.6714	20583.28	20584.28	1.00	1.18	1.18	1.18	71	57.8
18-Dec-17	8:10	Fine	23338	2.6888	2.6984	20608.28	20609.28	1.00	1.32	1.32	1.32	79	121.6
18-Dec-17	9:55	Fine	23480	2.6134	2.6229	20609.28	20610.28	1.00	1.32	1.32	1.32	79	120.3
18-Dec-17	13:00	Fine	23340	2.6708	2.6789	20610.28	20611.28	1.00	1.32	1.32	1.32	79	102.6
23-Dec-17	8:20	Fine	23437	2.5961	2.6017	20635.30	20636.30	1.00	1.30	1.30	1.30	78	71.9
23-Dec-17	9:30	Fine	22848	2.6785	2.6867	20636.30	20637.30	1.00	1.18	1.18	1.18	71	115.9
23-Dec-17	10:45	Fine	23570	2.6136	2.6209	20637.30	20638.30	1.00	1.30	1.30	1.30	78	93.7

Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Nov-17	8:00	Cloudy	23286	2.6809	2.7614	7997.24	8021.24	24.00	0.99	0.99	0.99	1428	56.4
5-Dec-17	8:00	Fine	23173	2.6715	2.8358	8024.24	8048.24	24.00	1.00	1.00	1.00	1443	113.8
11-Dec-17	8:00	Fine	23381	2.6640	2.8480	8051.24	8075.24	24.00	1.00	1.00	1.00	1443	127.5
16-Dec-17	8:00	Fine	23360	2.6858	2.8331	8078.24	8102.24	24.00	1.01	1.02	1.02	1466	100.5
22-Dec-17	8:00	Fine	23343	2.6835	2.8631	8105.25	8129.25	24.00	1.01	1.00	1.00	1447	124.1

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 311.3

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Nov-17	8:43	Cloudy	23180	2.6627	2.6656	8021.24	8022.24	1.00	0.99	0.99	0.99	60	48.6
30-Nov-17	9:50	Cloudy	23157	2.6743	2.6789	8022.24	8023.24	1.00	0.99	0.99	0.99	60	77.1
30-Nov-17	13:00	Cloudy	23175	2.6723	2.6759	8023.24	8024.24	1.00	0.99	0.99	0.99	60	60.4
6-Dec-17	9:58	Fine	23257	2.6760	2.6844	8048.24	8049.24	1.00	1.00	1.00	1.00	60	139.7
6-Dec-17	11:00	Fine	23267	2.6697	2.6775	8049.24	8050.24	1.00	1.00	1.00	1.00	60	129.7
6-Dec-17	13:40	Fine	23251	2.6703	2.6874	8050.24	8051.24	1.00	1.00	1.00	1.00	60	284.4
12-Dec-17	8:20	Cloudy	23377	2.6567	2.6657	8075.24	8076.24	1.00	1.00	1.00	1.00	60	149.5
12-Dec-17	10:45	Cloudy	23370	2.6671	2.6770	8076.24	8077.24	1.00	1.00	1.00	1.00	60	164.4
12-Dec-17	14:00	Cloudy	23362	2.6790	2.6899	8077.24	8078.24	1.00	1.00	1.00	1.00	60	181.0
18-Dec-17	8:02	Fine	23487	2.5986	2.6056	8102.24	8103.24	1.00	1.02	1.02	1.02	61	114.3
18-Dec-17	9:35	Fine	23482	2.5934	2.6031	8103.24	8104.24	1.00	1.02	1.02	1.02	61	158.4
18-Dec-17	10:50	Fine	23475	2.6114	2.6193	8104.24	8105.24	1.00	1.02	1.02	1.02	61	129.0
23-Dec-17	8:02	Fine	23441	2.6045	2.6104	8129.25	8130.25	1.00	1.00	1.00	1.00	60	98.2
23-Dec-17	9:05	Fine	23576	2.6142	2.6221	8130.25	8131.25	1.00	1.00	1.00	1.00	60	131.5
23-Dec-17	10:30	Fine	23571	2.6243	2.6315	8131.25	8132.25	1.00	1.00	1.00	1.00	60	119.8



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171.2

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Nov-17	8:00	Cloudy	23287	2.6896	2.7466	24812.17	24836.17	24.00	1.25	1.25	1.25	1798	31.7
5-Dec-17	8:00	Fine	23172	2.6726	2.8258	24839.17	24863.17	24.00	1.31	1.31	1.31	1891	81.0
11-Dec-17	8:00	Fine	23380	2.6608	2.8336	24866.18	24890.18	24.00	1.26	1.26	1.26	1810	95.5
16-Dec-17	8:00	Fine	23361	2.6872	2.8390	24893.19	24917.19	24.00	1.26	1.27	1.27	1826	83.1
22-Dec-17	8:00	Fine	23470	2.6144	2.7473	24920.19	24944.19	24.00	1.37	1.37	1.37	1975	67.3

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 312.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Nov-17	8:35	Cloudy	23181	2.6734	2.6775	24836.17	24837.17	1.00	1.31	1.31	1.31	78	52.3
30-Nov-17	10:05	Cloudy	23156	2.6739	2.6791	24837.17	24838.17	1.00	1.25	1.25	1.25	75	69.3
30-Nov-17	13:00	Cloudy	23164	2.6718	2.6756	24838.17	24839.17	1.00	1.31	1.31	1.31	78	48.5
6-Dec-17	10:10	Fine	23256	2.6619	2.6682	24863.17	24864.17	1.00	1.26	1.26	1.26	75	83.6
6-Dec-17	13:00	Fine	23266	2.6729	2.6794	24864.17	24865.17	1.00	1.26	1.26	1.26	75	86.2
6-Dec-17	14:50	Fine	23252	2.6731	2.6831	24865.17	24866.17	1.00	1.26	1.26	1.26	75	132.6
12-Dec-17	8:10	Cloudy	23378	2.6613	2.6711	24890.18	24891.18	1.00	1.26	1.26	1.26	75	129.9
12-Dec-17	10:45	Cloudy	23371	2.6586	2.6679	24891.18	24892.18	1.00	1.26	1.26	1.26	75	123.2
12-Dec-17	13:50	Cloudy	23363	2.7083	2.7178	24892.18	24893.18	1.00	1.26	1.26	1.26	75	125.9
18-Dec-17	8:02	Fine	23488	2.6098	2.6178	24917.19	24918.19	1.00	1.27	1.30	1.28	77	103.8
18-Dec-17	9:30	Fine	23483	2.6125	2.6208	24918.19	24919.19	1.00	1.33	1.33	1.33	80	104.2
18-Dec-17	10:45	Fine	23476	2.6128	2.6206	24919.19	24920.19	1.00	1.27	1.27	1.27	76	102.3
23-Dec-17	8:05	Fine	23442	2.6223	2.6275	24944.19	24945.19	1.00	1.26	1.26	1.26	75	69.0
23-Dec-17	9:20	Fine	23556	2.6127	2.6194	24945.19	24946.19	1.00	1.26	1.26	1.26	75	88.9
23-Dec-17	10:30	Fine	23572	2.5992	2.6059	24946.19	24947.19	1.00	1.26	1.26	1.26	75	88.9

Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 181

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Nov-17	8:00	Cloudy	22856	2.6499	2.8054	9416.31	9440.31	24.00	0.83	0.83	0.83	1199	129.7
5-Dec-17	8:00	Fine	23278	2.6733	2.9408	9443.31	9467.31	24.00	1.06	1.06	1.06	1526	175.3
11-Dec-17	8:00	Fine	23231	2.6716	2.9510	9470.31	9494.31	24.00	0.84	0.85	0.84	1215	229.9
16-Dec-17	8:00	Fine	23356	2.6772	2.8129	9497.31	9521.31	24.00	0.71	0.72	0.71	1029	131.9
22-Dec-17	8:00	Fine	23468	2.6225	2.8533	9524.31	9548.31	24.00	0.99	0.99	0.99	1426	161.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 332

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Nov-17	8:45	Cloudy	23153	2.6774	2.6843	9440.31	9441.31	1.00	0.83	0.80	0.82	49	140.8
30-Nov-17	10:50	Cloudy	23160	2.6703	2.6807	9441.31	9442.31	1.00	0.83	0.80	0.82	49	212.2
30-Nov-17	13:00	Cloudy	23166	2.6587	2.6797	9442.31	9443.31	1.00	1.09	1.05	1.07	64	327.9
6-Dec-17	8:50	Fine	23238	2.6637	2.6780	9467.31	9468.31	1.00	0.84	0.84	0.84	51	282.6
6-Dec-17	13:00	Fine	23263	2.7022	2.7155	9468.31	9469.31	1.00	0.84	0.84	0.84	51	262.8
6-Dec-17	14:05	Fine	23268	2.6678	2.6831	9469.31	9470.31	1.00	0.84	0.84	0.84	51	302.3
12-Dec-17	9:30	Cloudy	22845	2.6534	2.6770	9494.31	9495.31	1.00	0.99	0.99	0.99	59	397.6
12-Dec-17	10:45	Cloudy	22846	2.6896	2.7036	9495.31	9496.31	1.00	0.85	0.81	0.83	50	282.1
12-Dec-17	13:00	Cloudy	23366	2.6648	2.6762	9496.31	9497.31	1.00	0.85	0.85	0.85	51	224.8
18-Dec-17	8:50	Fine	23486	2.6056	2.6103	9521.31	9522.31	1.00	0.86	0.86	0.86	52	90.8
18-Dec-17	10:10	Fine	23479	2.6108	2.6230	9522.31	9523.31	1.00	0.86	0.86	0.86	52	235.6
18-Dec-17	13:50	Fine	23472	2.6069	2.6249	9523.31	9524.31	1.00	1.01	1.01	1.01	61	297.3
23-Dec-17	8:50	Fine	23434	2.6231	2.6366	9548.31	9549.31	1.00	1.02	1.02	1.02	61	220.0
23-Dec-17	9:55	Fine	23575	2.6027	2.6247	9549.31	9550.31	1.00	1.02	1.02	1.02	61	358.6
23-Dec-17	11:00	Fine	23568	2.6256	2.6371	9550.31	9551.31	1.00	1.02	1.02	1.02	61	187.4



Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Nov-17	8:00	Cloudy	22860	2.6963	2.7626	21700.99	21724.99	24.00	1.21	1.21	1.21	1744	38.0
5-Dec-17	8:00	Fine	23282	2.6603	2.7726	21727.99	21751.99	24.00	1.10	1.13	1.11	1604	70.0
11-Dec-17	8:00	Fine	22843	2.6606	2.7787	21754.99	21778.99	24.00	1.22	1.22	1.22	1758	67.2
16-Dec-17	8:00	Fine	22850	2.6779	2.7713	21781.99	21805.99	24.00	1.11	1.12	1.11	1599	58.4
22-Dec-17	8:00	Fine	23224	2.6955	2.7683	21808.99	21832.99	24.00	1.10	1.10	1.10	1584	46.0

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Nov-17	9:35	Cloudy	23155	2.6741	2.6771	21724.99	21725.99	1.00	1.21	1.21	1.21	73	41.2
30-Nov-17	13:00	Cloudy	23162	2.6712	2.6756	21725.99	21726.99	1.00	1.21	1.21	1.21	73	60.4
30-Nov-17	14:05	Cloudy	23170	2.6619	2.6654	21726.99	21727.99	1.00	1.21	1.21	1.21	73	48.1
6-Dec-17	9:35	Fine	23254	2.6867	2.6922	21751.99	21752.99	1.00	1.10	1.10	1.10	66	83.5
6-Dec-17	11:00	Fine	23261	2.6964	2.7043	21752.99	21753.99	1.00	1.22	1.22	1.22	73	107.9
6-Dec-17	14:30	Fine	23271	2.6609	2.6718	21753.99	21754.99	1.00	1.22	1.22	1.22	73	148.9
12-Dec-17	8:20	Cloudy	23233	2.6925	2.6983	21778.99	21779.99	1.00	1.10	1.10	1.10	66	87.9
12-Dec-17	9:31	Cloudy	22947	2.6733	2.6820	21779.99	21780.99	1.00	1.16	1.16	1.16	70	124.9
12-Dec-17	13:00	Cloudy	22945	2.6771	2.6822	21780.99	21781.99	1.00	1.22	1.22	1.22	73	69.6
18-Dec-17	10:45	Fine	23391	2.6732	2.6817	21805.99	21806.99	1.00	1.24	1.24	1.24	74	114.5
18-Dec-17	13:00	Fine	23394	2.6817	2.6862	21806.99	21807.99	1.00	1.11	1.11	1.11	67	67.4
18-Dec-17	14:05	Fine	23396	2.6701	2.6725	21807.99	21808.99	1.00	1.11	1.11	1.11	67	35.9
23-Dec-17	8:55	Fine	23433	2.6151	2.6225	21832.99	21833.99	1.00	1.22	1.22	1.22	73	101.1
23-Dec-17	9:57	Fine	23430	2.6041	2.6102	21833.99	21834.99	1.00	1.22	1.22	1.22	73	83.3
23-Dec-17	11:00	Fine	23427	2.6179	2.6228	21834.99	21835.99	1.00	1.16	1.16	1.16	70	70.5

Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Nov-17	8:00	Cloudy	22859	2.6699	2.7492	21488.82	21512.82	24.00	1.39	1.39	1.39	2004	39.6
5-Dec-17	8:00	Fine	23281	2.6624	2.8239	21515.82	21539.82	24.00	1.40	1.40	1.40	2016	80.1
12-Dec-17	14:15	Fine	22104	2.6756	2.8433	21545.82	21569.82	24.00	1.40	1.40	1.40	2018	83.1
16-Dec-17	8:00	Fine	23336	2.6822	2.8825	21570.83	21594.83	24.00	1.41	1.42	1.41	2034	98.5
22-Dec-17	8:00	Fine	23226	2.6776	2.8595	21597.83	21621.83	24.00	1.40	1.40	1.40	2019	90.1

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 11 December 2017 to 12 December 2017.

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Nov-17	9:40	Cloudy	23154	2.6773	2.6844	21512.82	21513.82	1.00	1.29	1.29	1.29	77	92.0
30-Nov-17	13:00	Cloudy	23161	2.6638	2.6712	21513.82	21514.82	1.00	1.39	1.39	1.39	84	88.5
30-Nov-17	14:10	Cloudy	23169	2.6732	2.6805	21514.82	21515.82	1.00	1.39	1.39	1.39	84	87.3
6-Dec-17	9:40	Fine	23255	2.6988	2.7066	21539.82	21540.82	1.00	1.40	1.40	1.40	84	92.9
6-Dec-17	10:55	Fine	23260	2.6962	2.7066	21540.82	21541.82	1.00	1.40	1.40	1.40	84	123.8
6-Dec-17	14:35	Fine	23272	2.6769	2.6955	21541.82	21542.82	1.00	1.40	1.40	1.40	84	221.5
12-Dec-17	8:00	Cloudy	23234	2.8003	2.8125	21542.82	21543.82	1.00	1.29	1.29	1.29	78	157.2
12-Dec-17	9:25	Cloudy	22855	2.6941	2.7056	21543.82	21544.82	1.00	1.35	1.35	1.35	81	142.3
12-Dec-17	13:00	Cloudy	22849	2.6548	2.6642	21544.82	21545.82	1.00	1.40	1.40	1.40	84	111.8
18-Dec-17	10:50	Fine	23358	2.6646	2.6765	21594.83	21595.83	1.00	1.31	1.31	1.31	78	151.9
18-Dec-17	13:00	Fine	23395	2.6737	2.6873	21595.83	21596.83	1.00	1.41	1.41	1.41	85	160.2
18-Dec-17	14:10	Fine	23397	2.6711	2.6835	21596.83	21597.83	1.00	1.41	1.41	1.41	85	146.1
23-Dec-17	8:08	Fine	23432	2.6181	2.6248	21621.83	21622.83	1.00	1.35	1.35	1.35	81	83.0
23-Dec-17	10:01	Fine	23429	2.6091	2.6162	21622.83	21623.83	1.00	1.35	1.35	1.35	81	87.9
23-Dec-17	13:00	Fine	23424	2.6164	2.6233	21623.83	21624.83	1.00	1.35	1.35	1.35	81	85.5

Location: CMA1b - Harbour Grand Hotel Boundary Wall

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 176.7

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23558	2.6245	2.7718	11066.42	11090.42	24.00	1.19	1.19	1.19	1715	85.9
3-Jan-18	8:00	Fine	23654	2.6499	2.7702	11093.42	11117.42	24.00	1.19	1.19	1.19	1713	70.2
9-Jan-18	8:00	Cloudy	23775	2.6082	2.6822	11120.42	11144.42	24.00	1.21	1.20	1.21	1737	42.6
13-Jan-18	8:00	Fine	23859	2.6451	2.7736	11147.42	11171.42	24.00	1.20	1.20	1.20	1731	74.2
19-Jan-18	8:00	Cloudy	23745	2.5992	2.6947	11174.42	11198.42	24.00	1.16	1.16	1.16	1667	57.3
25-Jan-18	8:00	Fine	23963	2.6693	2.7692	11201.47	11225.47	24.00	1.16	1.16	1.16	1671	59.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 320.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:10	Fine	23546	2.6167	2.6331	11090.42	11091.42	1.00	1.19	1.19	1.19	71	229.5
29-Dec-17	9:55	Fine	23667	2.6626	2.6702	11091.42	11092.42	1.00	1.19	1.19	1.19	71	106.3
29-Dec-17	10:58	Fine	23675	2.6719	2.6781	11092.42	11093.42	1.00	1.19	1.19	1.19	71	86.8
4-Jan-18	8:15	Fine	23518	2.6168	2.6214	11117.42	11118.42	1.00	1.19	1.19	1.19	71	64.5
4-Jan-18	9:25	Fine	23794	2.6114	2.6172	11118.42	11119.42	1.00	1.19	1.19	1.19	71	81.3
4-Jan-18	10:35	Fine	23771	2.6121	2.6173	11119.42	11120.42	1.00	1.19	1.19	1.19	71	72.9
10-Jan-18	9:15	Cloudy	23866	2.6637	2.6676	11144.42	11145.42	1.00	1.20	1.20	1.20	72	54.0
10-Jan-18	10:50	Cloudy	23865	2.6583	2.6605	11145.42	11146.42	1.00	1.20	1.20	1.20	72	30.5
10-Jan-18	13:00	Cloudy	23841	2.6715	2.6764	11146.42	11147.42	1.00	1.20	1.20	1.20	72	67.9
15-Jan-18	8:15	Fine	23851	2.6694	2.6768	11171.42	11172.42	1.00	1.20	1.20	1.20	72	103.1
15-Jan-18	10:05	Fine	23849	2.6717	2.6809	11172.42	11173.42	1.00	1.20	1.20	1.20	72	128.1
15-Jan-18	13:00	Fine	23842	2.6463	2.6522	11173.42	11174.42	1.00	1.20	1.20	1.20	72	82.2
20-Jan-18	8:13	Cloudy	23981	2.6771	2.6828	11198.42	11199.42	1.00	1.16	1.16	1.16	69	82.1
20-Jan-18	9:15	Cloudy	23975	2.6626	2.6688	11199.42	11200.42	1.00	1.16	1.16	1.16	69	89.3
20-Jan-18	10:17	Cloudy	23961	2.6599	2.6667	11200.42	11201.42	1.00	1.16	1.16	1.16	69	97.9
26-Jan-18	8:45	Fine	24049	2.6894	2.6997	11225.47	11226.47	1.00	1.16	1.16	1.16	70	147.9
26-Jan-18	9:58	Fine	24045	2.6797	2.6882	11226.47	11227.47	1.00	1.16	1.16	1.16	70	122.1
26-Jan-18	11:00	Fine	24039	2.6799	2.6869	11227.47	11228.47	1.00	1.16	1.16	1.16	70	100.5



Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 169.5  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23557	2.6131	2.7735	20638.30	20662.30	24.00	1.30	1.30	1.30	1873	85.6
3-Jan-18	8:00	Fine	23625	2.6885	2.8190	20665.30	20689.30	24.00	1.18	1.18	1.18	1699	76.8
9-Jan-18	8:00	Cloudy	23774	2.6066	2.7081	20692.30	20716.30	24.00	1.32	1.32	1.32	1899	53.5
13-Jan-18	8:00	Fine	23834	2.6669	2.8481	20719.30	20743.30	24.00	1.32	1.31	1.31	1892	95.8
19-Jan-18	8:00	Cloudy	23744	2.6053	2.7105	20746.30	20770.30	24.00	1.18	1.18	1.18	1698	62.0
25-Jan-18	8:00	Fine	23964	2.6528	2.7819	20773.30	20797.30	24.00	1.18	1.18	1.18	1703	75.8

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 323.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:15	Fine	23547	2.6138	2.6200	20662.30	20663.30	1.00	1.24	1.24	1.24	74	83.3
29-Dec-17	9:50	Fine	23613	2.6035	2.6101	20663.30	20664.30	1.00	1.30	1.30	1.30	78	84.6
29-Dec-17	10:53	Fine	23435	2.6285	2.6345	20664.30	20665.30	1.00	1.18	1.18	1.18	71	84.7
4-Jan-18	8:15	Fine	23511	2.6007	2.6041	20689.30	20690.30	1.00	1.30	1.30	1.30	78	43.7
4-Jan-18	9:25	Fine	23770	2.6285	2.6320	20690.30	20691.30	1.00	1.18	1.18	1.18	71	49.5
4-Jan-18	10:35	Fine	23788	2.5896	2.5925	20691.30	20692.30	1.00	1.18	1.18	1.18	71	41.0
10-Jan-18	9:10	Cloudy	23763	2.6169	2.6231	20716.30	20717.30	1.00	1.32	1.32	1.32	79	78.6
10-Jan-18	10:58	Cloudy	23514	2.6029	2.6091	20717.30	20718.30	1.00	1.32	1.32	1.32	79	78.6
10-Jan-18	13:00	Cloudy	23835	2.6757	2.6799	20718.30	20719.30	1.00	1.32	1.32	1.32	79	53.2
15-Jan-18	8:20	Fine	23850	2.6757	2.6821	20743.30	20744.30	1.00	1.31	1.31	1.31	78	81.6
15-Jan-18	10:10	Fine	23848	2.6855	2.6942	20744.30	20745.30	1.00	1.31	1.31	1.31	78	110.9
15-Jan-18	13:00	Fine	23829	2.6626	2.6718	20745.30	20746.30	1.00	1.31	1.31	1.31	78	117.3
20-Jan-18	8:15	Cloudy	23958	2.6705	2.6747	20770.30	20771.30	1.00	1.18	1.18	1.18	71	59.4
20-Jan-18	9:20	Cloudy	23976	2.6503	2.6564	20771.30	20772.30	1.00	1.18	1.18	1.18	71	86.3
20-Jan-18	10:30	Cloudy	23970	2.6607	2.6667	20772.30	20773.30	1.00	1.18	1.18	1.18	71	84.8
26-Jan-18	8:50	Fine	24021	2.6853	2.6902	20797.30	20798.30	1.00	1.18	1.18	1.18	71	69.1
26-Jan-18	9:55	Fine	24024	2.6896	2.6994	20798.30	20799.30	1.00	1.18	1.18	1.18	71	138.1
26-Jan-18	11:00	Fine	24040	2.6834	2.6905	20799.30	20800.30	1.00	1.12	1.12	1.12	67	105.5

Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23564	2.6196	2.7970	8132.25	8156.25	24.00	1.00	1.00	1.00	1445	122.8
3-Jan-18	8:00	Fine	23655	2.6595	2.7849	8159.26	8183.26	24.00	1.00	1.00	1.00	1442	87.0
9-Jan-18	8:00	Cloudy	23782	2.6297	2.7225	8186.26	8210.26	24.00	1.03	1.02	1.02	1475	62.9
13-Jan-18	8:00	Fine	23820	2.5982	2.7493	8213.26	8237.26	24.00	1.02	1.02	1.02	1467	103.0
19-Jan-18	8:00	Cloudy	23754	2.6139	2.7077	8240.29	8264.29	24.00	1.06	1.05	1.05	1519	61.8
25-Jan-18	8:00	Fine	23965	2.6443	2.7688	8267.31	8291.31	24.00	1.06	1.06	1.06	1524	81.7

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 311.3

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:02	Fine	23548	2.6097	2.6155	8156.25	8157.25	1.00	1.00	1.00	1.00	60	96.3
29-Dec-17	9:40	Fine	23668	2.6647	2.6709	8157.25	8158.25	1.00	1.00	1.00	1.00	60	103.0
29-Dec-17	13:00	Fine	23665	2.6803	2.6874	8158.25	8159.25	1.00	1.00	1.00	1.00	60	117.9
4-Jan-18	8:02	Fine	23519	2.6215	2.6270	8183.26	8184.26	1.00	1.00	1.00	1.00	60	91.6
4-Jan-18	9:15	Fine	23795	2.5941	2.5989	8184.26	8185.26	1.00	1.00	1.00	1.00	60	80.0
4-Jan-18	10:25	Fine	23789	2.5878	2.5931	8185.26	8186.26	1.00	1.00	1.00	1.00	60	88.3
10-Jan-18	9:00	Cloudy	23764	2.6112	2.6149	8210.26	8211.26	1.00	1.02	1.02	1.02	61	60.4
10-Jan-18	10:25	Cloudy	23863	2.6419	2.6457	8211.26	8212.26	1.00	1.02	1.02	1.02	61	62.1
10-Jan-18	13:00	Cloudy	23838	2.6652	2.6696	8212.26	8213.26	1.00	1.02	1.02	1.02	61	71.9
15-Jan-18	8:05	Fine	23852	2.6661	2.6721	8237.26	8238.26	1.00	1.01	1.01	1.01	61	98.9
15-Jan-18	9:50	Fine	23828	2.6663	2.6732	8238.26	8239.26	1.00	1.01	1.01	1.01	61	113.7
15-Jan-18	13:00	Fine	23843	2.6583	2.6662	8239.26	8240.26	1.00	1.01	1.01	1.01	61	130.2
20-Jan-18	8:02	Cloudy	23982	2.6523	2.6586	8264.31	8265.31	1.00	1.05	1.05	1.05	63	99.6
20-Jan-18	9:05	Cloudy	23959	2.6546	2.6603	8265.31	8266.31	1.00	1.05	1.05	1.05	63	90.1
20-Jan-18	10:07	Cloudy	23971	2.6579	2.6660	8266.31	8267.31	1.00	1.05	1.05	1.05	63	128.0
26-Jan-18	8:30	Fine	24052	2.6731	2.6784	8291.31	8292.31	1.00	1.06	1.06	1.06	64	83.4
26-Jan-18	9:45	Fine	24046	2.6622	2.6677	8292.31	8293.31	1.00	1.06	1.06	1.06	64	86.6
26-Jan-18	10:55	Fine	24025	2.6891	2.6973	8293.31	8294.31	1.00	1.06	1.06	1.06	64	129.1



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171.2

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23565	2.6146	2.7834	24947.19	24971.19	24.00	1.26	1.26	1.26	1811	93.2
3-Jan-18	8:00	Fine	23656	2.6469	2.7612	24974.19	24998.19	24.00	1.26	1.26	1.26	1809	63.2
9-Jan-18	8:00	Cloudy	23783	2.6143	2.7133	25001.19	25025.19	24.00	1.33	1.33	1.33	1915	51.7
13-Jan-18	8:00	Fine	23836	2.6692	2.7821	25028.19	25052.19	24.00	1.27	1.27	1.27	1827	61.8
19-Jan-18	8:00	Cloudy	23753	2.6267	2.7141	25055.19	25079.19	24.00	1.21	1.21	1.21	1748	50.0
25-Jan-18	8:00	Fine	23968	2.6543	2.7471	25082.23	25106.23	24.00	1.22	1.22	1.22	1752	53.0

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 312.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:05	Fine	23611	2.6214	2.6251	24971.19	24972.19	1.00	1.37	1.37	1.37	82	45.0
29-Dec-17	9:40	Fine	23612	2.6123	2.6183	24972.19	24973.19	1.00	1.37	1.37	1.37	82	73.0
29-Dec-17	13:00	Fine	23666	2.6703	2.6749	24973.19	24974.19	1.00	1.26	1.26	1.26	75	61.0
4-Jan-18	8:05	Fine	23630	2.6797	2.6837	24998.19	24999.19	1.00	1.26	1.26	1.26	75	53.1
4-Jan-18	9:10	Fine	23796	2.5968	2.5986	24999.19	25000.19	1.00	1.26	1.26	1.26	75	23.9
4-Jan-18	10:20	Fine	23790	2.6060	2.6100	25000.19	25001.19	1.00	1.26	1.26	1.26	75	53.1
10-Jan-18	8:45	Cloudy	23760	2.6291	2.6316	25025.19	25026.19	1.00	1.27	1.27	1.27	76	32.8
10-Jan-18	10:30	Cloudy	23867	2.6357	2.6377	25026.19	25027.19	1.00	1.27	1.27	1.27	76	26.2
10-Jan-18	13:00	Cloudy	23839	2.6601	2.6624	25027.19	25028.19	1.00	1.27	1.27	1.27	76	30.2
15-Jan-18	8:02	Fine	23853	2.6554	2.6613	25052.19	25053.19	1.00	1.26	1.26	1.26	76	77.8
15-Jan-18	9:35	Fine	23827	2.6538	2.6607	25053.19	25054.19	1.00	1.26	1.26	1.26	76	91.0
15-Jan-18	13:00	Fine	23844	2.6639	2.6700	25054.19	25055.19	1.00	1.26	1.26	1.26	76	80.5
20-Jan-18	8:05	Cloudy	23957	2.6693	2.6729	25079.19	25080.19	1.00	1.21	1.21	1.21	73	49.4
20-Jan-18	9:10	Cloudy	23977	2.6658	2.6696	25080.19	25081.19	1.00	1.21	1.21	1.21	73	52.2
20-Jan-18	10:15	Cloudy	23972	2.6501	2.6550	25081.19	25082.19	1.00	1.21	1.21	1.21	73	67.3
26-Jan-18	8:30	Fine	24020	2.6504	2.6556	25106.23	25107.23	1.00	1.22	1.22	1.22	73	71.2
26-Jan-18	9:45	Fine	24023	2.7013	2.7066	25107.23	25108.23	1.00	1.22	1.22	1.22	73	72.6
26-Jan-18	10:56	Fine	24041	2.6643	2.6701	25108.23	25109.23	1.00	1.22	1.22	1.22	73	79.4



Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 181

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
28-Dec-17	8:00	Fine	23384	2.6723	2.7978	9551.31	9575.31	24.00	0.70	0.70	0.70	1009	124.4
3-Jan-18	8:00	Fine	23382	2.6700	2.8342	9578.31	9602.31	24.00	0.84	0.84	0.84	1213	135.3
9-Jan-18	8:00	Cloudy	23785	2.6029	2.7596	9605.31	9629.31	24.00	0.87	0.86	0.87	1248	125.6
13-Jan-18	8:00	Fine	23840	2.6625	2.9536	9632.31	9656.31	24.00	1.14	1.11	1.12	1620	179.7
19-Jan-18	8:00	Cloudy	23742	2.5905	2.7232	9659.31	9683.31	24.00	0.81	0.81	0.81	1166	113.8
25-Jan-18	8:00	Fine	23962	2.6524	2.8314	9686.36	9710.36	24.00	0.87	0.87	0.87	1255	142.7

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 332

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Dec-17	8:40	Fine	23674	2.6932	2.7068	9575.31	9576.31	1.00	0.84	0.84	0.84	51	268.3
29-Dec-17	10:15	Fine	23614	2.6026	2.6244	9576.31	9577.31	1.00	0.84	0.84	0.84	51	430.0
29-Dec-17	13:00	Fine	23664	2.6545	2.6722	9577.31	9578.31	1.00	0.99	0.99	0.99	59	298.3
4-Jan-18	8:35	Fine	23512	2.5953	2.6010	9602.31	9603.31	1.00	0.84	0.84	0.84	51	112.8
4-Jan-18	9:45	Fine	23792	2.5976	2.6039	9603.31	9604.31	1.00	0.84	0.84	0.84	51	124.7
4-Jan-18	10:55	Fine	23787	2.5961	2.6020	9604.31	9605.31	1.00	0.84	0.84	0.84	51	116.8
10-Jan-18	8:15	Cloudy	23759	2.6093	2.6129	9629.31	9630.31	1.00	0.72	0.72	0.72	43	83.7
10-Jan-18	9:45	Cloudy	23886	2.6716	2.6793	9630.31	9631.31	1.00	0.86	0.86	0.86	52	148.8
10-Jan-18	13:00	Cloudy	23860	2.6472	2.6519	9631.31	9632.31	1.00	0.86	0.86	0.86	52	90.8
15-Jan-18	9:00	Fine	23832	2.6698	2.6845	9656.31	9657.31	1.00	0.85	0.85	0.85	51	287.2
15-Jan-18	10:45	Fine	23845	2.6754	2.6900	9657.31	9658.31	1.00	0.85	0.85	0.85	51	285.3
15-Jan-18	13:00	Fine	23755	2.6064	2.6216	9658.31	9659.31	1.00	0.85	0.85	0.85	51	297.0
20-Jan-18	8:30	Cloudy	23980	2.6542	2.6650	9683.36	9684.36	1.00	0.87	0.87	0.87	52	207.4
20-Jan-18	9:35	Cloudy	23960	2.6642	2.6701	9684.36	9685.36	1.00	0.75	0.75	0.75	45	131.0
20-Jan-18	10:40	Cloudy	23969	2.6765	2.6850	9685.36	9686.36	1.00	0.87	0.87	0.87	52	163.3
26-Jan-18	8:05	Fine	24019	2.6712	2.6809	9710.36	9711.36	1.00	0.87	0.87	0.87	52	185.5
26-Jan-18	9:20	Fine	24022	2.6763	2.6848	9711.36	9712.36	1.00	0.87	0.87	0.87	52	162.5
26-Jan-18	10:25	Fine	24044	2.6763	2.6903	9712.36	9713.36	1.00	0.87	0.87	0.87	52	267.7

Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23425	2.6215	2.7730	21835.99	21859.99	24.00	1.22	1.22	1.22	1759	86.1
3-Jan-18	8:00	Fine	23659	2.6556	2.7411	21862.99	21886.99	24.00	1.10	1.10	1.10	1580	54.1
9-Jan-18	8:00	Cloudy	23637	2.6667	2.7302	21889.99	21913.99	24.00	1.12	1.11	1.12	1607	39.5
13-Jan-18	8:00	Fine	23877	2.6813	2.7735	21916.99	21940.99	24.00	1.11	1.11	1.11	1600	57.6
19-Jan-18	8:00	Cloudy	23749	2.5928	2.6478	21943.99	21967.99	24.00	1.11	1.11	1.11	1599	34.4
25-Jan-18	8:00	Fine	23994	2.6761	2.7511	21970.99	21994.99	24.00	1.11	1.11	1.11	1603	46.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	9:05	Fine	23671	2.6516	2.6571	21859.99	21860.99	1.00	1.22	1.22	1.22	73	75.0
29-Dec-17	10:40	Fine	23617	2.6116	2.6173	21860.99	21861.99	1.00	1.22	1.22	1.22	73	77.8
29-Dec-17	13:00	Fine	23623	2.6827	2.6874	21861.99	21862.99	1.00	1.22	1.22	1.22	73	64.1
4-Jan-18	8:50	Fine	23647	2.6758	2.6784	21886.99	21887.99	1.00	1.10	1.10	1.10	66	39.5
4-Jan-18	10:00	Fine	23643	2.6593	2.6627	21887.99	21888.99	1.00	1.10	1.10	1.10	66	51.7
4-Jan-18	13:00	Fine	23640	2.6681	2.6703	21888.99	21889.99	1.00	1.10	1.10	1.10	66	33.4
10-Jan-18	8:50	Cloudy	23885	2.6597	2.6627	21913.99	21914.99	1.00	1.11	1.11	1.11	67	44.9
10-Jan-18	9:54	Cloudy	23882	2.6554	2.6572	21914.99	21915.99	1.00	1.11	1.11	1.11	67	27.0
10-Jan-18	10:59	Cloudy	23879	2.6549	2.6571	21915.99	21916.99	1.00	1.11	1.11	1.11	67	33.0
15-Jan-18	10:50	Fine	23388	2.6820	2.6866	21940.99	21941.99	1.00	1.11	1.11	1.11	66	69.4
15-Jan-18	13:00	Fine	23386	2.6764	2.6811	21941.99	21942.99	1.00	1.11	1.11	1.11	66	70.9
15-Jan-18	14:10	Fine	23747	2.6148	2.6175	21942.99	21943.99	1.00	1.11	1.11	1.11	66	40.7
20-Jan-18	8:45	Cloudy	23874	2.6656	2.6671	21967.99	21968.99	1.00	1.11	1.11	1.11	67	22.5
20-Jan-18	9:50	Cloudy	23985	2.6585	2.6616	21968.99	21969.99	1.00	1.11	1.11	1.11	67	46.5
20-Jan-18	10:52	Cloudy	23998	2.6563	2.6591	21969.99	21970.99	1.00	1.11	1.11	1.11	67	42.0
26-Jan-18	8:36	Fine	23992	2.6545	2.6577	21994.99	21995.99	1.00	1.11	1.11	1.11	67	47.9
26-Jan-18	10:22	Fine	23988	2.6719	2.6776	21995.99	21996.99	1.00	1.11	1.11	1.11	67	85.3
26-Jan-18	13:00	Fine	24078	2.6832	2.6879	21996.99	21997.99	1.00	1.11	1.11	1.11	67	70.3



Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23423	2.6245	2.8197	21624.83	21648.83	24.00	1.40	1.40	1.40	2017	96.8
3-Jan-18	8:00	Fine	23660	2.6677	2.8072	21651.83	21675.83	24.00	1.40	1.40	1.40	2015	69.2
9-Jan-18	8:00	Cloudy	23638	2.6704	2.7855	21678.83	21702.83	24.00	1.39	1.39	1.39	2001	57.5
13-Jan-18	8:00	Fine	23878	2.6612	2.8079	21705.83	21729.83	24.00	1.36	1.36	1.36	1956	75.0
19-Jan-18	8:00	Cloudy	23748	2.6084	2.7053	21732.86	21756.86	24.00	1.40	1.40	1.40	2019	48.0
25-Jan-18	8:00	Fine	23995	2.6572	2.7842	21759.86	21783.86	24.00	1.46	1.46	1.46	2104	60.4

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	9:25	Fine	23670	2.6594	2.6664	21648.83	21649.83	1.00	1.40	1.40	1.40	84	83.3
29-Dec-17	10:50	Fine	23618	2.6178	2.6231	21649.83	21650.83	1.00	1.29	1.29	1.29	78	68.3
29-Dec-17	13:00	Fine	23622	2.6667	2.6727	21650.83	21651.83	1.00	1.40	1.40	1.40	84	71.4
4-Jan-18	8:45	Fine	23648	2.6784	2.6836	21675.83	21676.83	1.00	1.40	1.40	1.40	84	62.0
4-Jan-18	9:50	Fine	23644	2.6488	2.6543	21676.83	21677.83	1.00	1.35	1.35	1.35	81	68.1
4-Jan-18	10:58	Fine	23641	2.6668	2.6707	21677.83	21678.83	1.00	1.40	1.40	1.40	84	46.5
10-Jan-18	8:47	Cloudy	23869	2.6514	2.6555	21702.83	21703.83	1.00	1.39	1.39	1.39	83	49.3
10-Jan-18	9:50	Cloudy	23883	2.6699	2.6769	21703.83	21704.83	1.00	1.39	1.39	1.39	83	84.1
10-Jan-18	10:55	Cloudy	23380	2.6549	2.6745	21704.83	21705.83	1.00	1.39	1.39	1.39	83	235.5
15-Jan-18	10:55	Fine	23389	2.6799	2.6883	21729.83	21730.83	1.00	1.33	1.33	1.33	80	105.6
15-Jan-18	13:00	Fine	23227	2.6842	2.6925	21730.83	21731.83	1.00	1.41	1.41	1.41	84	98.3
15-Jan-18	14:15	Fine	23746	2.5967	2.6048	21731.83	21732.83	1.00	1.41	1.41	1.41	84	95.9
20-Jan-18	8:40	Cloudy	23875	2.6907	2.6936	21756.86	21757.86	1.00	1.35	1.35	1.35	81	35.9
20-Jan-18	9:45	Cloudy	23872	2.6767	2.6804	21757.86	21758.86	1.00	1.40	1.40	1.40	84	44.0
20-Jan-18	10:50	Cloudy	23983	2.6577	2.6630	21758.86	21759.86	1.00	1.35	1.35	1.35	81	65.6
26-Jan-18	8:30	Fine	23993	2.6486	2.6574	21783.86	21784.86	1.00	1.46	1.46	1.46	88	100.3
26-Jan-18	9:35	Fine	23990	2.6708	2.6803	21784.86	21785.86	1.00	1.46	1.46	1.46	88	108.3
26-Jan-18	10:38	Fine	23987	2.6747	2.6848	21785.86	21786.86	1.00	1.46	1.46	1.46	88	115.2

Location: CMA1b - Harbour Grand Hotel Boundary Wall

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 176.7

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Jan-18	8:00	Cloudy	24037	2.6836	2.7456	11228.47	11252.47	24.00	1.17	1.17	1.17	1691	36.7
3-Feb-18	8:00	Fine	24125	2.6548	2.7847	11255.49	11279.49	24.00	1.18	1.18	1.18	1696	76.6
9-Feb-18	8:00	Fine	24168	2.6282	2.7327	11282.49	11306.49	24.00	1.16	1.16	1.16	1671	62.5
14-Feb-18	8:00	Cloudy	24268	2.6722	2.7978	11309.49	11333.49	24.00	1.16	1.15	1.16	1668	75.3
20-Feb-18	8:00	Cloudy	24229	2.6674	2.7521	11336.49	11360.49	24.00	1.15	1.16	1.15	1663	50.9
26-Feb-18	8:00	Fine	24455	2.6504	2.7327	11363.49	11387.49	24.00	1.16	1.16	1.16	1670	49.3

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 320.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Jan-18	8:03	Cloudy	23762	2.6112	2.6141	11252.47	11253.47	1.00	1.17	1.17	1.17	70	41.1
30-Jan-18	10:20	Cloudy	24085	2.6780	2.6815	11253.47	11254.47	1.00	1.17	1.17	1.17	70	49.7
30-Jan-18	13:00	Cloudy	24082	2.6869	2.6930	11254.47	11255.47	1.00	1.17	1.17	1.17	70	86.6
5-Feb-18	8:20	Fine	24146	2.6625	2.6709	11279.49	11280.49	1.00	1.18	1.18	1.18	71	118.8
5-Feb-18	10:35	Fine	24193	2.6861	2.6928	11280.49	11281.49	1.00	1.18	1.18	1.18	71	94.8
5-Feb-18	13:30	Fine	24175	2.6691	2.6768	11281.49	11282.49	1.00	1.18	1.18	1.18	71	108.9
10-Feb-18	8:50	Fine	24159	2.6646	2.6731	11306.49	11307.49	1.00	1.16	1.16	1.16	70	122.2
10-Feb-18	10:35	Fine	24262	2.6564	2.6652	11307.49	11308.49	1.00	1.16	1.16	1.16	70	126.6
10-Feb-18	13:00	Fine	24275	2.6635	2.6706	11308.49	11309.49	1.00	1.16	1.16	1.16	70	102.1
15-Feb-18	9:06	Cloudy	24382	2.6649	2.6734	11333.49	11334.49	1.00	1.15	1.15	1.15	69	122.7
15-Feb-18	10:10	Cloudy	24378	2.6549	2.6634	11334.49	11335.49	1.00	1.15	1.15	1.15	69	122.7
15-Feb-18	13:00	Cloudy	24377	2.6661	2.6739	11335.49	11336.49	1.00	1.15	1.15	1.15	69	112.6
21-Feb-18	10:50	Cloudy	24348	2.6608	2.6652	11360.49	11361.49	1.00	1.16	1.16	1.16	69	63.3
21-Feb-18	13:00	Cloudy	24346	2.6581	2.6622	11361.49	11362.49	1.00	1.16	1.16	1.16	69	59.0
21-Feb-18	15:00	Cloudy	24341	2.6477	2.6542	11362.49	11363.49	1.00	1.16	1.16	1.16	69	93.6
27-Feb-18	9:05	Fine	24427	2.6689	2.6792	11387.49	11388.49	1.00	1.16	1.16	1.16	69	148.3
27-Feb-18	10:35	Fine	24420	2.6775	2.6833	11388.49	11389.49	1.00	1.16	1.16	1.16	69	83.5
27-Feb-18	13:00	Fine	24414	2.6582	2.6638	11389.49	11390.49	1.00	1.16	1.16	1.16	69	80.7



Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 169.5  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24030	2.6759	2.7369	20800.30	20824.30	24.00	1.20	1.20	1.20	1727	35.3
3-Feb-18	8:00	Fine	24124	2.6753	2.8355	20827.30	20851.30	24.00	1.20	1.20	1.20	1732	92.5
9-Feb-18	8:00	Fine	24167	2.6912	2.8076	20854.30	20878.30	24.00	1.18	1.18	1.18	1703	68.3
14-Feb-18	8:00	Cloudy	24267	2.6614	2.8041	20881.30	20905.30	24.00	1.18	1.18	1.18	1699	84.0
20-Feb-18	8:00	Cloudy	24237	2.6576	2.7412	20908.30	20932.30	24.00	1.17	1.18	1.18	1694	49.4
26-Feb-18	8:00	Fine	24454	2.6566	2.7337	20935.30	20959.30	24.00	1.06	1.06	1.06	1526	50.5

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 323.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	8:06	Cloudy	23761	2.6201	2.6224	20824.30	20825.30	1.00	1.20	1.20	1.20	72	32.0
30-Jan-18	10:15	Cloudy	24086	2.6833	2.6868	20825.30	20826.30	1.00	1.08	1.08	1.08	65	54.2
30-Jan-18	13:00	Cloudy	24081	2.6834	2.6904	20826.30	20827.30	1.00	1.20	1.20	1.20	72	97.3
5-Feb-18	8:25	Fine	24117	2.6746	2.6831	20851.30	20852.30	1.00	1.20	1.20	1.20	72	117.7
5-Feb-18	10:35	Fine	24192	2.6686	2.6786	20852.30	20853.30	1.00	1.20	1.20	1.20	72	138.5
5-Feb-18	13:40	Fine	24174	2.6822	2.6890	20853.30	20854.30	1.00	1.20	1.20	1.20	72	94.2
10-Feb-18	8:55	Fine	24259	2.6586	2.6711	20878.30	20879.30	1.00	1.12	1.18	1.15	69	181.1
10-Feb-18	10:35	Fine	24283	2.6661	2.6795	20879.30	20880.30	1.00	1.12	1.12	1.12	67	199.4
10-Feb-18	13:00	Fine	24265	2.6627	2.6770	20880.30	20881.30	1.00	1.18	1.18	1.18	71	201.9
15-Feb-18	9:00	Cloudy	24381	2.6541	2.6618	20905.30	20906.30	1.00	1.18	1.18	1.18	71	109.1
15-Feb-18	10:26	Cloudy	24358	2.6599	2.6679	20906.30	20907.30	1.00	1.05	1.05	1.05	63	126.4
15-Feb-18	13:00	Cloudy	24227	2.6717	2.6786	20907.30	20908.30	1.00	1.05	1.05	1.05	63	109.0
21-Feb-18	11:00	Cloudy	24347	2.6600	2.6635	20932.30	20933.30	1.00	1.12	1.12	1.12	67	52.1
21-Feb-18	13:00	Cloudy	24345	2.6507	2.6531	20933.30	20934.30	1.00	1.06	1.06	1.06	63	37.8
21-Feb-18	14:50	Cloudy	24342	2.6632	2.6700	20934.30	20935.30	1.00	1.18	1.18	1.18	71	96.1
27-Feb-18	9:10	Fine	24428	2.6596	2.6665	20959.30	20960.30	1.00	1.06	1.06	1.06	63	108.8
27-Feb-18	10:15	Fine	24419	2.6483	2.6550	20960.30	20961.30	1.00	1.18	1.18	1.18	71	94.7
27-Feb-18	13:00	Fine	24413	2.6638	2.6723	20961.30	20962.30	1.00	1.12	1.12	1.12	67	126.7

Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Jan-18	8:00	Cloudy	24038	2.6799	2.7441	8294.32	8318.32	24.00	1.08	1.08	1.08	1551	41.4
3-Feb-18	8:00	Fine	24123	2.6635	2.8321	8321.32	8345.32	24.00	1.08	1.08	1.08	1558	108.2
9-Feb-18	8:00	Fine	24169	2.6399	2.7699	8348.32	8372.32	24.00	1.06	1.06	1.06	1525	85.3
14-Feb-18	8:00	Cloudy	24266	2.6839	2.8405	8375.32	8399.32	24.00	1.06	1.05	1.06	1520	103.0
20-Feb-18	8:00	Cloudy	24238	2.6524	2.7183	8402.33	8426.33	24.00	0.95	0.95	0.95	1367	48.2
26-Feb-18	8:00	Fine	24461	2.6709	2.7591	8429.33	8453.33	24.00	1.06	1.05	1.06	1523	57.9

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 311.3

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Jan-18	8:47	Cloudy	23515	2.6032	2.6059	8318.32	8319.32	1.00	1.08	1.08	1.08	65	41.8
30-Jan-18	10:50	Cloudy	24083	2.6839	2.6849	8319.32	8320.32	1.00	0.94	0.94	0.94	56	17.8
30-Jan-18	13:10	Cloudy	24116	2.6709	2.6722	8320.32	8321.32	1.00	1.08	1.08	1.08	65	20.1
5-Feb-18	8:10	Fine	24132	2.6711	2.6754	8345.32	8346.32	1.00	1.01	1.01	1.01	61	70.8
5-Feb-18	10:00	Fine	24147	2.6725	2.6803	8346.32	8347.32	1.00	1.08	1.08	1.08	65	120.1
5-Feb-18	13:25	Fine	24176	2.6615	2.6686	8347.32	8348.32	1.00	1.08	1.08	1.08	65	109.3
10-Feb-18	8:40	Fine	24160	2.6613	2.6701	8372.32	8373.32	1.00	1.06	1.06	1.06	63	138.8
10-Feb-18	10:25	Fine	24282	2.6687	2.6777	8373.32	8374.32	1.00	1.06	1.06	1.06	63	142.0
10-Feb-18	13:00	Fine	24264	2.6569	2.6709	8374.32	8375.32	1.00	1.06	1.06	1.06	63	220.8
15-Feb-18	8:45	Cloudy	24364	2.6660	2.6721	8399.33	8400.33	1.00	0.98	0.98	0.98	59	103.4
15-Feb-18	10:11	Cloudy	24359	2.6681	2.6721	8400.33	8401.33	1.00	0.91	0.91	0.91	55	72.9
15-Feb-18	13:00	Cloudy	24354	2.6638	2.6709	8401.33	8402.33	1.00	0.95	0.95	0.95	57	124.7
21-Feb-18	9:45	Cloudy	24371	2.6677	2.6716	8426.33	8427.33	1.00	1.06	1.06	1.06	63	61.6
21-Feb-18	10:50	Cloudy	24375	2.6598	2.6638	8427.33	8428.33	1.00	1.06	1.06	1.06	63	63.2
21-Feb-18	13:00	Cloudy	24464	2.6784	2.6828	8428.33	8429.33	1.00	1.06	1.06	1.06	63	69.5
27-Feb-18	8:45	Fine	24431	2.6570	2.6634	8453.33	8454.33	1.00	1.05	1.05	1.05	63	101.2
27-Feb-18	10:15	Fine	24422	2.6457	2.6524	8454.33	8455.33	1.00	1.05	1.05	1.05	63	105.9
27-Feb-18	13:00	Fine	24405	2.6602	2.6677	8455.33	8456.33	1.00	1.05	1.05	1.05	63	118.6



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171.2

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24029	2.6919	2.7402	25109.23	25133.23	24.00	1.23	1.23	1.23	1770	27.3
3-Feb-18	8:00	Fine	24142	2.6636	2.8150	25136.23	25160.23	24.00	1.23	1.23	1.23	1774	85.3
9-Feb-18	8:00	Fine	24170	2.6623	2.7999	25163.23	25187.23	24.00	1.22	1.22	1.22	1752	78.5
14-Feb-18	8:00	Cloudy	24273	2.6446	2.7855	25190.24	25214.24	24.00	1.22	1.21	1.21	1749	80.5
21-Feb-18	16:30	Cloudy	24434	2.6712	2.7267	25231.52	25255.52	24.00	1.21	1.22	1.22	1753	31.7
26-Feb-18	8:00	Fine	24453	2.6619	2.7298	25255.52	25279.52	24.00	1.22	1.21	1.22	1751	38.8

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 20 February 2018 to 21 February 2018.

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 312.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	8:58	Cloudy	23516	2.6111	2.6136	25133.23	25134.23	1.00	1.23	1.23	1.23	74	33.9
30-Jan-18	10:40	Cloudy	24084	2.6697	2.6731	25134.23	25135.23	1.00	1.23	1.23	1.23	74	46.1
30-Jan-18	13:00	Cloudy	24115	2.6678	2.6700	25135.23	25136.23	1.00	1.23	1.23	1.23	74	29.8
5-Feb-18	8:02	Fine	24133	2.6686	2.6738	25160.23	25161.23	1.00	1.23	1.23	1.23	74	70.3
5-Feb-18	9:45	Fine	24194	2.6842	2.6913	25161.23	25162.23	1.00	1.23	1.23	1.23	74	96.0
5-Feb-18	13:10	Fine	24177	2.6513	2.6587	25162.23	25163.23	1.00	1.23	1.23	1.23	74	100.0
10-Feb-18	8:45	Fine	24163	2.6601	2.6683	25187.24	25188.24	1.00	1.32	1.32	1.32	79	103.7
10-Feb-18	10:20	Fine	24154	2.6846	2.6927	25188.24	25189.24	1.00	1.32	1.32	1.32	79	102.5
10-Feb-18	13:00	Fine	24263	2.6449	2.6590	25189.24	25190.24	1.00	1.32	1.32	1.32	79	178.4
15-Feb-18	8:35	Cloudy	24365	2.6650	2.6757	25214.24	25215.24	1.00	1.21	1.21	1.21	73	147.2
15-Feb-18	10:00	Cloudy	24360	2.6524	2.6598	25215.24	25216.24	1.00	1.21	1.21	1.21	73	101.8
15-Feb-18	13:00	Cloudy	24353	2.6651	2.6713	25216.24	25217.24	1.00	1.21	1.21	1.21	73	85.3
21-Feb-18	13:00	Cloudy	24374	2.6576	2.6630	25228.52	25229.52	1.00	1.27	1.27	1.27	76	71.1
21-Feb-18	14:10	Cloudy	24460	2.6873	2.6886	25229.52	25230.52	1.00	1.21	1.21	1.21	73	17.8
21-Feb-18	15:15	Cloudy	24432	2.6503	2.6555	25230.52	25231.52	1.00	1.21	1.21	1.21	73	71.4
27-Feb-18	8:50	Fine	24430	2.6398	2.6453	25279.52	25280.52	1.00	1.21	1.21	1.21	73	75.5
27-Feb-18	10:15	Fine	24423	2.6535	2.6575	25280.52	25281.52	1.00	1.21	1.21	1.21	73	54.9
27-Feb-18	13:00	Fine	24412	2.6581	2.6628	25281.52	25282.52	1.00	1.21	1.21	1.21	73	64.5

Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 181

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24026	2.6859	2.8014	9713.36	9737.36	24.00	0.89	0.89	0.89	1278	90.4
3-Feb-18	8:00	Fine	24121	2.6537	2.7517	9740.36	9764.36	24.00	0.77	0.77	0.77	1111	88.2
9-Feb-18	8:00	Fine	24181	2.6504	2.9062	9767.36	9791.36	24.00	0.99	0.99	0.99	1424	179.6
14-Feb-18	8:00	Cloudy	24274	2.6356	2.8660	9794.36	9818.36	24.00	0.93	0.92	0.93	1336	172.5
20-Feb-18	8:00	Cloudy	24241	2.6711	2.7701	9821.36	9845.36	24.00	0.75	0.75	0.75	1078	91.9
26-Feb-18	8:00	Fine	24456	2.6666	2.7408	9849.36	9873.36	24.00	0.76	0.75	0.75	1085	68.4

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 332

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	9:15	Cloudy	23517	2.6163	2.6228	9737.36	9738.36	1.00	0.77	0.77	0.77	46	141.0
30-Jan-18	10:27	Cloudy	24057	2.6941	2.7012	9738.36	9739.36	1.00	0.77	0.77	0.77	46	154.0
30-Jan-18	13:00	Cloudy	24056	2.6812	2.6911	9739.36	9740.36	1.00	0.77	0.77	0.77	46	214.7
5-Feb-18	9:00	Fine	24196	2.6539	2.6705	9764.36	9765.36	1.00	0.89	0.89	0.89	53	310.3
5-Feb-18	13:00	Fine	24178	2.6711	2.6840	9765.36	9766.36	1.00	0.89	0.89	0.89	53	241.1
5-Feb-18	14:10	Fine	24171	2.6541	2.6709	9766.36	9767.36	1.00	0.89	0.89	0.89	53	314.0
10-Feb-18	8:05	Fine	24255	2.6502	2.6663	9791.36	9792.36	1.00	0.81	0.81	0.81	49	330.8
10-Feb-18	9:30	Fine	24158	2.6683	2.6819	9792.36	9793.36	1.00	0.87	0.87	0.87	52	260.6
10-Feb-18	10:50	Fine	24280	2.6719	2.6856	9793.36	9794.36	1.00	0.87	0.87	0.87	52	262.6
15-Feb-18	8:12	Cloudy	24368	2.6598	2.6682	9818.36	9819.36	1.00	0.75	0.75	0.75	45	187.1
15-Feb-18	9:15	Cloudy	24363	2.6747	2.6833	9819.36	9820.36	1.00	0.75	0.75	0.75	45	191.5
15-Feb-18	10:48	Cloudy	24357	2.6627	2.6691	9820.36	9821.36	1.00	0.75	0.75	0.75	45	142.5
21-Feb-18	13:00	Cloudy	24352	2.6472	2.6544	9845.36	9846.36	1.00	0.75	0.75	0.75	45	159.7
21-Feb-18	14:05	Cloudy	24465	2.6763	2.6890	9846.36	9847.36	1.00	0.87	0.87	0.87	52	243.7
21-Feb-18	15:10	Cloudy	24457	2.6737	2.6865	9847.36	9848.36	1.00	0.87	0.87	0.87	52	245.7
27-Feb-18	8:10	Fine	24440	2.6603	2.6677	9873.36	9874.36	1.00	0.75	0.75	0.75	45	164.3
27-Feb-18	9:50	Fine	24426	2.6709	2.6792	9874.36	9875.36	1.00	0.81	0.81	0.81	49	170.9
27-Feb-18	13:00	Fine	24418	2.6556	2.6690	9875.36	9876.36	1.00	0.81	0.81	0.81	49	276.0

Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Jan-18	8:00	Cloudy	24075	2.6859	2.7276	21997.99	22021.99	24.00	1.13	1.13	1.13	1625	25.7
3-Feb-18	8:00	Fine	24119	2.6803	2.7807	22024.99	22048.99	24.00	1.13	1.13	1.13	1630	61.6
9-Feb-18	8:00	Fine	23535	2.6139	2.7003	22051.99	22075.99	24.00	1.12	1.11	1.11	1604	53.9
14-Feb-18	8:00	Cloudy	24271	2.6643	2.7689	22078.99	22102.99	24.00	1.11	1.11	1.11	1600	65.4
20-Feb-18	8:00	Cloudy	24068	2.6611	2.7405	22105.99	22129.99	24.00	1.10	1.11	1.11	1595	49.8
26-Feb-18	8:00	Fine	24224	2.6800	2.7357	22132.99	22156.99	24.00	1.12	1.11	1.11	1602	34.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Jan-18	9:05	Cloudy	23930	2.6643	2.6653	22021.99	22022.99	1.00	1.25	1.25	1.25	75	13.3
30-Jan-18	10:10	Cloudy	23934	2.6627	2.6647	22022.99	22023.99	1.00	1.19	1.19	1.19	71	28.0
30-Jan-18	13:00	Cloudy	23940	2.6652	2.6683	22023.99	22024.99	1.00	1.13	1.13	1.13	68	45.8
5-Feb-18	13:00	Fine	24190	2.6673	2.6716	22048.99	22049.99	1.00	1.26	1.26	1.26	75	57.0
5-Feb-18	14:05	Fine	24187	2.6568	2.6607	22049.99	22050.99	1.00	1.13	1.13	1.13	68	57.4
5-Feb-18	15:10	Fine	24184	2.6568	2.6638	22050.99	22051.99	1.00	1.13	1.13	1.13	68	103.0
10-Feb-18	8:30	Fine	24162	2.6698	2.6741	22075.99	22076.99	1.00	1.11	1.11	1.11	67	64.5
10-Feb-18	10:05	Fine	24156	2.6713	2.6758	22076.99	22077.99	1.00	1.11	1.11	1.11	67	67.5
10-Feb-18	13:00	Fine	24277	2.6725	2.6808	22077.99	22078.99	1.00	1.11	1.11	1.11	67	124.4
15-Feb-18	9:14	Cloudy	24379	2.6535	2.6589	22102.99	22103.99	1.00	1.11	1.11	1.11	66	81.3
15-Feb-18	10:18	Cloudy	24074	2.6787	2.6853	22103.99	22104.99	1.00	1.23	1.23	1.23	74	89.4
15-Feb-18	13:00	Cloudy	24071	2.6733	2.6747	22104.99	22105.99	1.00	1.11	1.11	1.11	66	21.1
21-Feb-18	8:33	Cloudy	24066	2.6827	2.6861	22129.99	22130.99	1.00	1.11	1.11	1.11	67	51.0
21-Feb-18	10:07	Cloudy	24060	2.6742	2.6787	22130.99	22131.99	1.00	1.11	1.17	1.14	68	65.7
21-Feb-18	13:00	Cloudy	23634	2.6929	2.6985	22131.99	22132.99	1.00	1.11	1.17	1.14	68	81.8
27-Feb-18	9:01	Fine	24402	2.6566	2.6612	22156.99	22157.99	1.00	1.11	1.11	1.11	67	69.1
27-Feb-18	10:03	Fine	24220	2.6769	2.6812	22157.99	22158.99	1.00	1.11	1.11	1.11	67	64.6
27-Feb-18	13:00	Fine	24218	2.6535	2.6572	22158.99	22159.99	1.00	1.11	1.11	1.11	67	55.6

Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24077	2.6630	2.7338	21786.86	21810.86	24.00	1.42	1.42	1.42	2045	34.6
3-Feb-18	8:00	Fine	24118	2.6639	2.8521	21813.86	21837.86	24.00	1.48	1.48	1.48	2131	88.3
9-Feb-18	8:00	Fine	21888	2.8432	2.9958	21840.86	21864.86	24.00	1.46	1.46	1.46	2105	72.5
14-Feb-18	8:00	Cloudy	24272	2.6424	2.8074	21867.86	21891.86	24.00	1.41	1.46	1.43	2061	80.1
20-Feb-18	8:00	Cloudy	24069	2.6561	2.7557	21894.86	21918.86	24.00	1.34	1.35	1.34	1936	51.5
26-Feb-18	8:00	Fine	24225	2.6672	2.7596	21921.86	21945.86	24.00	1.46	1.46	1.46	2103	43.9

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	9:00	Cloudy	23931	2.6504	2.6538	21810.86	21811.86	1.00	1.36	1.36	1.36	82	41.6
30-Jan-18	10:02	Cloudy	23935	2.6636	2.6675	21811.86	21812.86	1.00	1.36	1.36	1.36	82	47.7
30-Jan-18	13:00	Cloudy	23932	2.6717	2.6756	21812.86	21813.86	1.00	1.36	1.36	1.36	82	47.7
5-Feb-18	13:00	Fine	24189	2.6621	2.6710	21837.86	21838.86	1.00	1.48	1.48	1.48	89	100.2
5-Feb-18	14:10	Fine	24186	2.6814	2.6897	21838.86	21839.86	1.00	1.42	1.42	1.42	85	97.2
5-Feb-18	15:15	Fine	24183	2.6587	2.6691	21839.86	21840.86	1.00	1.48	1.48	1.48	89	117.1
10-Feb-18	8:25	Fine	24161	2.6476	2.6562	21864.86	21865.86	1.00	1.46	1.46	1.46	88	98.2
10-Feb-18	10:00	Fine	24157	2.6697	2.6802	21865.86	21866.86	1.00	1.46	1.46	1.46	88	119.9
10-Feb-18	13:00	Fine	24278	2.6654	2.6780	21866.86	21867.86	1.00	1.46	1.46	1.46	88	143.9
15-Feb-18	9:06	Cloudy	24380	2.6530	2.6597	21891.86	21892.86	1.00	1.34	1.34	1.34	81	83.1
15-Feb-18	10:11	Cloudy	24369	2.6737	2.6748	21892.86	21893.86	1.00	1.40	1.40	1.40	84	13.1
15-Feb-18	13:00	Cloudy	24072	2.6690	2.6787	21893.86	21894.86	1.00	1.40	1.40	1.40	84	115.5
21-Feb-18	8:37	Cloudy	24067	2.6812	2.6878	21918.86	21919.86	1.00	1.46	1.46	1.46	88	75.4
21-Feb-18	9:40	Cloudy	24064	2.6852	2.6920	21919.86	21920.86	1.00	1.35	1.40	1.37	82	82.4
21-Feb-18	13:00	Cloudy	23635	2.6743	2.6806	21920.86	21921.86	1.00	1.46	1.46	1.46	88	72.0
27-Feb-18	8:54	Fine	24392	2.6348	2.6424	21945.86	21946.86	1.00	1.46	1.46	1.46	87	86.9
27-Feb-18	9:58	Fine	24222	2.6489	2.6549	21946.86	21947.86	1.00	1.46	1.46	1.46	87	68.6
27-Feb-18	11:00	Fine	24219	2.6741	2.6800	21947.86	21948.86	1.00	1.46	1.46	1.46	87	67.4



Location: CMA1b - Harbour Grand Hotel Boundary Wall

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 176.7

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23558	2.6245	2.7718	11066.42	11090.42	24.00	1.19	1.19	1.19	1715	85.9
3-Jan-18	8:00	Fine	23654	2.6499	2.7702	11093.42	11117.42	24.00	1.19	1.19	1.19	1713	70.2
9-Jan-18	8:00	Cloudy	23775	2.6082	2.6822	11120.42	11144.42	24.00	1.21	1.20	1.21	1737	42.6
13-Jan-18	8:00	Fine	23859	2.6451	2.7736	11147.42	11171.42	24.00	1.20	1.20	1.20	1731	74.2
19-Jan-18	8:00	Cloudy	23745	2.5992	2.6947	11174.42	11198.42	24.00	1.16	1.16	1.16	1667	57.3
25-Jan-18	8:00	Fine	23963	2.6693	2.7692	11201.47	11225.47	24.00	1.16	1.16	1.16	1671	59.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 320.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:10	Fine	23546	2.6167	2.6331	11090.42	11091.42	1.00	1.19	1.19	1.19	71	229.5
29-Dec-17	9:55	Fine	23667	2.6626	2.6702	11091.42	11092.42	1.00	1.19	1.19	1.19	71	106.3
29-Dec-17	10:58	Fine	23675	2.6719	2.6781	11092.42	11093.42	1.00	1.19	1.19	1.19	71	86.8
4-Jan-18	8:15	Fine	23518	2.6168	2.6214	11117.42	11118.42	1.00	1.19	1.19	1.19	71	64.5
4-Jan-18	9:25	Fine	23794	2.6114	2.6172	11118.42	11119.42	1.00	1.19	1.19	1.19	71	81.3
4-Jan-18	10:35	Fine	23771	2.6121	2.6173	11119.42	11120.42	1.00	1.19	1.19	1.19	71	72.9
10-Jan-18	9:15	Cloudy	23866	2.6637	2.6676	11144.42	11145.42	1.00	1.20	1.20	1.20	72	54.0
10-Jan-18	10:50	Cloudy	23865	2.6583	2.6605	11145.42	11146.42	1.00	1.20	1.20	1.20	72	30.5
10-Jan-18	13:00	Cloudy	23841	2.6715	2.6764	11146.42	11147.42	1.00	1.20	1.20	1.20	72	67.9
15-Jan-18	8:15	Fine	23851	2.6694	2.6768	11171.42	11172.42	1.00	1.20	1.20	1.20	72	103.1
15-Jan-18	10:05	Fine	23849	2.6717	2.6809	11172.42	11173.42	1.00	1.20	1.20	1.20	72	128.1
15-Jan-18	13:00	Fine	23842	2.6463	2.6522	11173.42	11174.42	1.00	1.20	1.20	1.20	72	82.2
20-Jan-18	8:13	Cloudy	23981	2.6771	2.6828	11198.42	11199.42	1.00	1.16	1.16	1.16	69	82.1
20-Jan-18	9:15	Cloudy	23975	2.6626	2.6688	11199.42	11200.42	1.00	1.16	1.16	1.16	69	89.3
20-Jan-18	10:17	Cloudy	23961	2.6599	2.6667	11200.42	11201.42	1.00	1.16	1.16	1.16	69	97.9
26-Jan-18	8:45	Fine	24049	2.6894	2.6997	11225.47	11226.47	1.00	1.16	1.16	1.16	70	147.9
26-Jan-18	9:58	Fine	24045	2.6797	2.6882	11226.47	11227.47	1.00	1.16	1.16	1.16	70	122.1
26-Jan-18	11:00	Fine	24039	2.6799	2.6869	11227.47	11228.47	1.00	1.16	1.16	1.16	70	100.5



Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 169.5  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23557	2.6131	2.7735	20638.30	20662.30	24.00	1.30	1.30	1.30	1873	85.6
3-Jan-18	8:00	Fine	23625	2.6885	2.8190	20665.30	20689.30	24.00	1.18	1.18	1.18	1699	76.8
9-Jan-18	8:00	Cloudy	23774	2.6066	2.7081	20692.30	20716.30	24.00	1.32	1.32	1.32	1899	53.5
13-Jan-18	8:00	Fine	23834	2.6669	2.8481	20719.30	20743.30	24.00	1.32	1.31	1.31	1892	95.8
19-Jan-18	8:00	Cloudy	23744	2.6053	2.7105	20746.30	20770.30	24.00	1.18	1.18	1.18	1698	62.0
25-Jan-18	8:00	Fine	23964	2.6528	2.7819	20773.30	20797.30	24.00	1.18	1.18	1.18	1703	75.8

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 323.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:15	Fine	23547	2.6138	2.6200	20662.30	20663.30	1.00	1.24	1.24	1.24	74	83.3
29-Dec-17	9:50	Fine	23613	2.6035	2.6101	20663.30	20664.30	1.00	1.30	1.30	1.30	78	84.6
29-Dec-17	10:53	Fine	23435	2.6285	2.6345	20664.30	20665.30	1.00	1.18	1.18	1.18	71	84.7
4-Jan-18	8:15	Fine	23511	2.6007	2.6041	20689.30	20690.30	1.00	1.30	1.30	1.30	78	43.7
4-Jan-18	9:25	Fine	23770	2.6285	2.6320	20690.30	20691.30	1.00	1.18	1.18	1.18	71	49.5
4-Jan-18	10:35	Fine	23788	2.5896	2.5925	20691.30	20692.30	1.00	1.18	1.18	1.18	71	41.0
10-Jan-18	9:10	Cloudy	23763	2.6169	2.6231	20716.30	20717.30	1.00	1.32	1.32	1.32	79	78.6
10-Jan-18	10:58	Cloudy	23514	2.6029	2.6091	20717.30	20718.30	1.00	1.32	1.32	1.32	79	78.6
10-Jan-18	13:00	Cloudy	23835	2.6757	2.6799	20718.30	20719.30	1.00	1.32	1.32	1.32	79	53.2
15-Jan-18	8:20	Fine	23850	2.6757	2.6821	20743.30	20744.30	1.00	1.31	1.31	1.31	78	81.6
15-Jan-18	10:10	Fine	23848	2.6855	2.6942	20744.30	20745.30	1.00	1.31	1.31	1.31	78	110.9
15-Jan-18	13:00	Fine	23829	2.6626	2.6718	20745.30	20746.30	1.00	1.31	1.31	1.31	78	117.3
20-Jan-18	8:15	Cloudy	23958	2.6705	2.6747	20770.30	20771.30	1.00	1.18	1.18	1.18	71	59.4
20-Jan-18	9:20	Cloudy	23976	2.6503	2.6564	20771.30	20772.30	1.00	1.18	1.18	1.18	71	86.3
20-Jan-18	10:30	Cloudy	23970	2.6607	2.6667	20772.30	20773.30	1.00	1.18	1.18	1.18	71	84.8
26-Jan-18	8:50	Fine	24021	2.6853	2.6902	20797.30	20798.30	1.00	1.18	1.18	1.18	71	69.1
26-Jan-18	9:55	Fine	24024	2.6896	2.6994	20798.30	20799.30	1.00	1.18	1.18	1.18	71	138.1
26-Jan-18	11:00	Fine	24040	2.6834	2.6905	20799.30	20800.30	1.00	1.12	1.12	1.12	67	105.5



Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23564	2.6196	2.7970	8132.25	8156.25	24.00	1.00	1.00	1.00	1445	122.8
3-Jan-18	8:00	Fine	23655	2.6595	2.7849	8159.26	8183.26	24.00	1.00	1.00	1.00	1442	87.0
9-Jan-18	8:00	Cloudy	23782	2.6297	2.7225	8186.26	8210.26	24.00	1.03	1.02	1.02	1475	62.9
13-Jan-18	8:00	Fine	23820	2.5982	2.7493	8213.26	8237.26	24.00	1.02	1.02	1.02	1467	103.0
19-Jan-18	8:00	Cloudy	23754	2.6139	2.7077	8240.29	8264.29	24.00	1.06	1.05	1.05	1519	61.8
25-Jan-18	8:00	Fine	23965	2.6443	2.7688	8267.31	8291.31	24.00	1.06	1.06	1.06	1524	81.7

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 311.3  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:02	Fine	23548	2.6097	2.6155	8156.25	8157.25	1.00	1.00	1.00	1.00	60	96.3
29-Dec-17	9:40	Fine	23668	2.6647	2.6709	8157.25	8158.25	1.00	1.00	1.00	1.00	60	103.0
29-Dec-17	13:00	Fine	23665	2.6803	2.6874	8158.25	8159.25	1.00	1.00	1.00	1.00	60	117.9
4-Jan-18	8:02	Fine	23519	2.6215	2.6270	8183.26	8184.26	1.00	1.00	1.00	1.00	60	91.6
4-Jan-18	9:15	Fine	23795	2.5941	2.5989	8184.26	8185.26	1.00	1.00	1.00	1.00	60	80.0
4-Jan-18	10:25	Fine	23789	2.5878	2.5931	8185.26	8186.26	1.00	1.00	1.00	1.00	60	88.3
10-Jan-18	9:00	Cloudy	23764	2.6112	2.6149	8210.26	8211.26	1.00	1.02	1.02	1.02	61	60.4
10-Jan-18	10:25	Cloudy	23863	2.6419	2.6457	8211.26	8212.26	1.00	1.02	1.02	1.02	61	62.1
10-Jan-18	13:00	Cloudy	23838	2.6652	2.6696	8212.26	8213.26	1.00	1.02	1.02	1.02	61	71.9
15-Jan-18	8:05	Fine	23852	2.6661	2.6721	8237.26	8238.26	1.00	1.01	1.01	1.01	61	98.9
15-Jan-18	9:50	Fine	23828	2.6663	2.6732	8238.26	8239.26	1.00	1.01	1.01	1.01	61	113.7
15-Jan-18	13:00	Fine	23843	2.6583	2.6662	8239.26	8240.26	1.00	1.01	1.01	1.01	61	130.2
20-Jan-18	8:02	Cloudy	23982	2.6523	2.6586	8264.31	8265.31	1.00	1.05	1.05	1.05	63	99.6
20-Jan-18	9:05	Cloudy	23959	2.6546	2.6603	8265.31	8266.31	1.00	1.05	1.05	1.05	63	90.1
20-Jan-18	10:07	Cloudy	23971	2.6579	2.6660	8266.31	8267.31	1.00	1.05	1.05	1.05	63	128.0
26-Jan-18	8:30	Fine	24052	2.6731	2.6784	8291.31	8292.31	1.00	1.06	1.06	1.06	64	83.4
26-Jan-18	9:45	Fine	24046	2.6622	2.6677	8292.31	8293.31	1.00	1.06	1.06	1.06	64	86.6
26-Jan-18	10:55	Fine	24025	2.6891	2.6973	8293.31	8294.31	1.00	1.06	1.06	1.06	64	129.1



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171.2

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23565	2.6146	2.7834	24947.19	24971.19	24.00	1.26	1.26	1.26	1811	93.2
3-Jan-18	8:00	Fine	23656	2.6469	2.7612	24974.19	24998.19	24.00	1.26	1.26	1.26	1809	63.2
9-Jan-18	8:00	Cloudy	23783	2.6143	2.7133	25001.19	25025.19	24.00	1.33	1.33	1.33	1915	51.7
13-Jan-18	8:00	Fine	23836	2.6692	2.7821	25028.19	25052.19	24.00	1.27	1.27	1.27	1827	61.8
19-Jan-18	8:00	Cloudy	23753	2.6267	2.7141	25055.19	25079.19	24.00	1.21	1.21	1.21	1748	50.0
25-Jan-18	8:00	Fine	23968	2.6543	2.7471	25082.23	25106.23	24.00	1.22	1.22	1.22	1752	53.0

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 312.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	8:05	Fine	23611	2.6214	2.6251	24971.19	24972.19	1.00	1.37	1.37	1.37	82	45.0
29-Dec-17	9:40	Fine	23612	2.6123	2.6183	24972.19	24973.19	1.00	1.37	1.37	1.37	82	73.0
29-Dec-17	13:00	Fine	23666	2.6703	2.6749	24973.19	24974.19	1.00	1.26	1.26	1.26	75	61.0
4-Jan-18	8:05	Fine	23630	2.6797	2.6837	24998.19	24999.19	1.00	1.26	1.26	1.26	75	53.1
4-Jan-18	9:10	Fine	23796	2.5968	2.5986	24999.19	25000.19	1.00	1.26	1.26	1.26	75	23.9
4-Jan-18	10:20	Fine	23790	2.6060	2.6100	25000.19	25001.19	1.00	1.26	1.26	1.26	75	53.1
10-Jan-18	8:45	Cloudy	23760	2.6291	2.6316	25025.19	25026.19	1.00	1.27	1.27	1.27	76	32.8
10-Jan-18	10:30	Cloudy	23867	2.6357	2.6377	25026.19	25027.19	1.00	1.27	1.27	1.27	76	26.2
10-Jan-18	13:00	Cloudy	23839	2.6601	2.6624	25027.19	25028.19	1.00	1.27	1.27	1.27	76	30.2
15-Jan-18	8:02	Fine	23853	2.6554	2.6613	25052.19	25053.19	1.00	1.26	1.26	1.26	76	77.8
15-Jan-18	9:35	Fine	23827	2.6538	2.6607	25053.19	25054.19	1.00	1.26	1.26	1.26	76	91.0
15-Jan-18	13:00	Fine	23844	2.6639	2.6700	25054.19	25055.19	1.00	1.26	1.26	1.26	76	80.5
20-Jan-18	8:05	Cloudy	23957	2.6693	2.6729	25079.19	25080.19	1.00	1.21	1.21	1.21	73	49.4
20-Jan-18	9:10	Cloudy	23977	2.6658	2.6696	25080.19	25081.19	1.00	1.21	1.21	1.21	73	52.2
20-Jan-18	10:15	Cloudy	23972	2.6501	2.6550	25081.19	25082.19	1.00	1.21	1.21	1.21	73	67.3
26-Jan-18	8:30	Fine	24020	2.6504	2.6556	25106.23	25107.23	1.00	1.22	1.22	1.22	73	71.2
26-Jan-18	9:45	Fine	24023	2.7013	2.7066	25107.23	25108.23	1.00	1.22	1.22	1.22	73	72.6
26-Jan-18	10:56	Fine	24041	2.6643	2.6701	25108.23	25109.23	1.00	1.22	1.22	1.22	73	79.4



Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 181

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
28-Dec-17	8:00	Fine	23384	2.6723	2.7978	9551.31	9575.31	24.00	0.70	0.70	0.70	1009	124.4
3-Jan-18	8:00	Fine	23382	2.6700	2.8342	9578.31	9602.31	24.00	0.84	0.84	0.84	1213	135.3
9-Jan-18	8:00	Cloudy	23785	2.6029	2.7596	9605.31	9629.31	24.00	0.87	0.86	0.87	1248	125.6
13-Jan-18	8:00	Fine	23840	2.6625	2.9536	9632.31	9656.31	24.00	1.14	1.11	1.12	1620	179.7
19-Jan-18	8:00	Cloudy	23742	2.5905	2.7232	9659.31	9683.31	24.00	0.81	0.81	0.81	1166	113.8
25-Jan-18	8:00	Fine	23962	2.6524	2.8314	9686.36	9710.36	24.00	0.87	0.87	0.87	1255	142.7

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 332

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Dec-17	8:40	Fine	23674	2.6932	2.7068	9575.31	9576.31	1.00	0.84	0.84	0.84	51	268.3
29-Dec-17	10:15	Fine	23614	2.6026	2.6244	9576.31	9577.31	1.00	0.84	0.84	0.84	51	430.0
29-Dec-17	13:00	Fine	23664	2.6545	2.6722	9577.31	9578.31	1.00	0.99	0.99	0.99	59	298.3
4-Jan-18	8:35	Fine	23512	2.5953	2.6010	9602.31	9603.31	1.00	0.84	0.84	0.84	51	112.8
4-Jan-18	9:45	Fine	23792	2.5976	2.6039	9603.31	9604.31	1.00	0.84	0.84	0.84	51	124.7
4-Jan-18	10:55	Fine	23787	2.5961	2.6020	9604.31	9605.31	1.00	0.84	0.84	0.84	51	116.8
10-Jan-18	8:15	Cloudy	23759	2.6093	2.6129	9629.31	9630.31	1.00	0.72	0.72	0.72	43	83.7
10-Jan-18	9:45	Cloudy	23886	2.6716	2.6793	9630.31	9631.31	1.00	0.86	0.86	0.86	52	148.8
10-Jan-18	13:00	Cloudy	23860	2.6472	2.6519	9631.31	9632.31	1.00	0.86	0.86	0.86	52	90.8
15-Jan-18	9:00	Fine	23832	2.6698	2.6845	9656.31	9657.31	1.00	0.85	0.85	0.85	51	287.2
15-Jan-18	10:45	Fine	23845	2.6754	2.6900	9657.31	9658.31	1.00	0.85	0.85	0.85	51	285.3
15-Jan-18	13:00	Fine	23755	2.6064	2.6216	9658.31	9659.31	1.00	0.85	0.85	0.85	51	297.0
20-Jan-18	8:30	Cloudy	23980	2.6542	2.6650	9683.36	9684.36	1.00	0.87	0.87	0.87	52	207.4
20-Jan-18	9:35	Cloudy	23960	2.6642	2.6701	9684.36	9685.36	1.00	0.75	0.75	0.75	45	131.0
20-Jan-18	10:40	Cloudy	23969	2.6765	2.6850	9685.36	9686.36	1.00	0.87	0.87	0.87	52	163.3
26-Jan-18	8:05	Fine	24019	2.6712	2.6809	9710.36	9711.36	1.00	0.87	0.87	0.87	52	185.5
26-Jan-18	9:20	Fine	24022	2.6763	2.6848	9711.36	9712.36	1.00	0.87	0.87	0.87	52	162.5
26-Jan-18	10:25	Fine	24044	2.6763	2.6903	9712.36	9713.36	1.00	0.87	0.87	0.87	52	267.7

Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23425	2.6215	2.7730	21835.99	21859.99	24.00	1.22	1.22	1.22	1759	86.1
3-Jan-18	8:00	Fine	23659	2.6556	2.7411	21862.99	21886.99	24.00	1.10	1.10	1.10	1580	54.1
9-Jan-18	8:00	Cloudy	23637	2.6667	2.7302	21889.99	21913.99	24.00	1.12	1.11	1.12	1607	39.5
13-Jan-18	8:00	Fine	23877	2.6813	2.7735	21916.99	21940.99	24.00	1.11	1.11	1.11	1600	57.6
19-Jan-18	8:00	Cloudy	23749	2.5928	2.6478	21943.99	21967.99	24.00	1.11	1.11	1.11	1599	34.4
25-Jan-18	8:00	Fine	23994	2.6761	2.7511	21970.99	21994.99	24.00	1.11	1.11	1.11	1603	46.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	9:05	Fine	23671	2.6516	2.6571	21859.99	21860.99	1.00	1.22	1.22	1.22	73	75.0
29-Dec-17	10:40	Fine	23617	2.6116	2.6173	21860.99	21861.99	1.00	1.22	1.22	1.22	73	77.8
29-Dec-17	13:00	Fine	23623	2.6827	2.6874	21861.99	21862.99	1.00	1.22	1.22	1.22	73	64.1
4-Jan-18	8:50	Fine	23647	2.6758	2.6784	21886.99	21887.99	1.00	1.10	1.10	1.10	66	39.5
4-Jan-18	10:00	Fine	23643	2.6593	2.6627	21887.99	21888.99	1.00	1.10	1.10	1.10	66	51.7
4-Jan-18	13:00	Fine	23640	2.6681	2.6703	21888.99	21889.99	1.00	1.10	1.10	1.10	66	33.4
10-Jan-18	8:50	Cloudy	23885	2.6597	2.6627	21913.99	21914.99	1.00	1.11	1.11	1.11	67	44.9
10-Jan-18	9:54	Cloudy	23882	2.6554	2.6572	21914.99	21915.99	1.00	1.11	1.11	1.11	67	27.0
10-Jan-18	10:59	Cloudy	23879	2.6549	2.6571	21915.99	21916.99	1.00	1.11	1.11	1.11	67	33.0
15-Jan-18	10:50	Fine	23388	2.6820	2.6866	21940.99	21941.99	1.00	1.11	1.11	1.11	66	69.4
15-Jan-18	13:00	Fine	23386	2.6764	2.6811	21941.99	21942.99	1.00	1.11	1.11	1.11	66	70.9
15-Jan-18	14:10	Fine	23747	2.6148	2.6175	21942.99	21943.99	1.00	1.11	1.11	1.11	66	40.7
20-Jan-18	8:45	Cloudy	23874	2.6656	2.6671	21967.99	21968.99	1.00	1.11	1.11	1.11	67	22.5
20-Jan-18	9:50	Cloudy	23985	2.6585	2.6616	21968.99	21969.99	1.00	1.11	1.11	1.11	67	46.5
20-Jan-18	10:52	Cloudy	23998	2.6563	2.6591	21969.99	21970.99	1.00	1.11	1.11	1.11	67	42.0
26-Jan-18	8:36	Fine	23992	2.6545	2.6577	21994.99	21995.99	1.00	1.11	1.11	1.11	67	47.9
26-Jan-18	10:22	Fine	23988	2.6719	2.6776	21995.99	21996.99	1.00	1.11	1.11	1.11	67	85.3
26-Jan-18	13:00	Fine	24078	2.6832	2.6879	21996.99	21997.99	1.00	1.11	1.11	1.11	67	70.3

Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
28-Dec-17	8:00	Fine	23423	2.6245	2.8197	21624.83	21648.83	24.00	1.40	1.40	1.40	2017	96.8
3-Jan-18	8:00	Fine	23660	2.6677	2.8072	21651.83	21675.83	24.00	1.40	1.40	1.40	2015	69.2
9-Jan-18	8:00	Cloudy	23638	2.6704	2.7855	21678.83	21702.83	24.00	1.39	1.39	1.39	2001	57.5
13-Jan-18	8:00	Fine	23878	2.6612	2.8079	21705.83	21729.83	24.00	1.36	1.36	1.36	1956	75.0
19-Jan-18	8:00	Cloudy	23748	2.6084	2.7053	21732.86	21756.86	24.00	1.40	1.40	1.40	2019	48.0
25-Jan-18	8:00	Fine	23995	2.6572	2.7842	21759.86	21783.86	24.00	1.46	1.46	1.46	2104	60.4

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Dec-17	9:25	Fine	23670	2.6594	2.6664	21648.83	21649.83	1.00	1.40	1.40	1.40	84	83.3
29-Dec-17	10:50	Fine	23618	2.6178	2.6231	21649.83	21650.83	1.00	1.29	1.29	1.29	78	68.3
29-Dec-17	13:00	Fine	23622	2.6667	2.6727	21650.83	21651.83	1.00	1.40	1.40	1.40	84	71.4
4-Jan-18	8:45	Fine	23648	2.6784	2.6836	21675.83	21676.83	1.00	1.40	1.40	1.40	84	62.0
4-Jan-18	9:50	Fine	23644	2.6488	2.6543	21676.83	21677.83	1.00	1.35	1.35	1.35	81	68.1
4-Jan-18	10:58	Fine	23641	2.6668	2.6707	21677.83	21678.83	1.00	1.40	1.40	1.40	84	46.5
10-Jan-18	8:47	Cloudy	23869	2.6514	2.6555	21702.83	21703.83	1.00	1.39	1.39	1.39	83	49.3
10-Jan-18	9:50	Cloudy	23883	2.6699	2.6769	21703.83	21704.83	1.00	1.39	1.39	1.39	83	84.1
10-Jan-18	10:55	Cloudy	23380	2.6549	2.6745	21704.83	21705.83	1.00	1.39	1.39	1.39	83	235.5
15-Jan-18	10:55	Fine	23389	2.6799	2.6883	21729.83	21730.83	1.00	1.33	1.33	1.33	80	105.6
15-Jan-18	13:00	Fine	23227	2.6842	2.6925	21730.83	21731.83	1.00	1.41	1.41	1.41	84	98.3
15-Jan-18	14:15	Fine	23746	2.5967	2.6048	21731.83	21732.83	1.00	1.41	1.41	1.41	84	95.9
20-Jan-18	8:40	Cloudy	23875	2.6907	2.6936	21756.86	21757.86	1.00	1.35	1.35	1.35	81	35.9
20-Jan-18	9:45	Cloudy	23872	2.6767	2.6804	21757.86	21758.86	1.00	1.40	1.40	1.40	84	44.0
20-Jan-18	10:50	Cloudy	23983	2.6577	2.6630	21758.86	21759.86	1.00	1.35	1.35	1.35	81	65.6
26-Jan-18	8:30	Fine	23993	2.6486	2.6574	21783.86	21784.86	1.00	1.46	1.46	1.46	88	100.3
26-Jan-18	9:35	Fine	23990	2.6708	2.6803	21784.86	21785.86	1.00	1.46	1.46	1.46	88	108.3
26-Jan-18	10:38	Fine	23987	2.6747	2.6848	21785.86	21786.86	1.00	1.46	1.46	1.46	88	115.2

Location: CMA1b - Harbour Grand Hotel Boundary Wall

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 176.7

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Jan-18	8:00	Cloudy	24037	2.6836	2.7456	11228.47	11252.47	24.00	1.17	1.17	1.17	1691	36.7
3-Feb-18	8:00	Fine	24125	2.6548	2.7847	11255.49	11279.49	24.00	1.18	1.18	1.18	1696	76.6
9-Feb-18	8:00	Fine	24168	2.6282	2.7327	11282.49	11306.49	24.00	1.16	1.16	1.16	1671	62.5
14-Feb-18	8:00	Cloudy	24268	2.6722	2.7978	11309.49	11333.49	24.00	1.16	1.15	1.16	1668	75.3
20-Feb-18	8:00	Cloudy	24229	2.6674	2.7521	11336.49	11360.49	24.00	1.15	1.16	1.15	1663	50.9
26-Feb-18	8:00	Fine	24455	2.6504	2.7327	11363.49	11387.49	24.00	1.16	1.16	1.16	1670	49.3

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 320.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Jan-18	8:03	Cloudy	23762	2.6112	2.6141	11252.47	11253.47	1.00	1.17	1.17	1.17	70	41.1
30-Jan-18	10:20	Cloudy	24085	2.6780	2.6815	11253.47	11254.47	1.00	1.17	1.17	1.17	70	49.7
30-Jan-18	13:00	Cloudy	24082	2.6869	2.6930	11254.47	11255.47	1.00	1.17	1.17	1.17	70	86.6
5-Feb-18	8:20	Fine	24146	2.6625	2.6709	11279.49	11280.49	1.00	1.18	1.18	1.18	71	118.8
5-Feb-18	10:35	Fine	24193	2.6861	2.6928	11280.49	11281.49	1.00	1.18	1.18	1.18	71	94.8
5-Feb-18	13:30	Fine	24175	2.6691	2.6768	11281.49	11282.49	1.00	1.18	1.18	1.18	71	108.9
10-Feb-18	8:50	Fine	24159	2.6646	2.6731	11306.49	11307.49	1.00	1.16	1.16	1.16	70	122.2
10-Feb-18	10:35	Fine	24262	2.6564	2.6652	11307.49	11308.49	1.00	1.16	1.16	1.16	70	126.6
10-Feb-18	13:00	Fine	24275	2.6635	2.6706	11308.49	11309.49	1.00	1.16	1.16	1.16	70	102.1
15-Feb-18	9:06	Cloudy	24382	2.6649	2.6734	11333.49	11334.49	1.00	1.15	1.15	1.15	69	122.7
15-Feb-18	10:10	Cloudy	24378	2.6549	2.6634	11334.49	11335.49	1.00	1.15	1.15	1.15	69	122.7
15-Feb-18	13:00	Cloudy	24377	2.6661	2.6739	11335.49	11336.49	1.00	1.15	1.15	1.15	69	112.6
21-Feb-18	10:50	Cloudy	24348	2.6608	2.6652	11360.49	11361.49	1.00	1.16	1.16	1.16	69	63.3
21-Feb-18	13:00	Cloudy	24346	2.6581	2.6622	11361.49	11362.49	1.00	1.16	1.16	1.16	69	59.0
21-Feb-18	15:00	Cloudy	24341	2.6477	2.6542	11362.49	11363.49	1.00	1.16	1.16	1.16	69	93.6
27-Feb-18	9:05	Fine	24427	2.6689	2.6792	11387.49	11388.49	1.00	1.16	1.16	1.16	69	148.3
27-Feb-18	10:35	Fine	24420	2.6775	2.6833	11388.49	11389.49	1.00	1.16	1.16	1.16	69	83.5
27-Feb-18	13:00	Fine	24414	2.6582	2.6638	11389.49	11390.49	1.00	1.16	1.16	1.16	69	80.7





Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 169.5  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24030	2.6759	2.7369	20800.30	20824.30	24.00	1.20	1.20	1.20	1727	35.3
3-Feb-18	8:00	Fine	24124	2.6753	2.8355	20827.30	20851.30	24.00	1.20	1.20	1.20	1732	92.5
9-Feb-18	8:00	Fine	24167	2.6912	2.8076	20854.30	20878.30	24.00	1.18	1.18	1.18	1703	68.3
14-Feb-18	8:00	Cloudy	24267	2.6614	2.8041	20881.30	20905.30	24.00	1.18	1.18	1.18	1699	84.0
20-Feb-18	8:00	Cloudy	24237	2.6576	2.7412	20908.30	20932.30	24.00	1.17	1.18	1.18	1694	49.4
26-Feb-18	8:00	Fine	24454	2.6566	2.7337	20935.30	20959.30	24.00	1.06	1.06	1.06	1526	50.5

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 323.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	8:06	Cloudy	23761	2.6201	2.6224	20824.30	20825.30	1.00	1.20	1.20	1.20	72	32.0
30-Jan-18	10:15	Cloudy	24086	2.6833	2.6868	20825.30	20826.30	1.00	1.08	1.08	1.08	65	54.2
30-Jan-18	13:00	Cloudy	24081	2.6834	2.6904	20826.30	20827.30	1.00	1.20	1.20	1.20	72	97.3
5-Feb-18	8:25	Fine	24117	2.6746	2.6831	20851.30	20852.30	1.00	1.20	1.20	1.20	72	117.7
5-Feb-18	10:35	Fine	24192	2.6686	2.6786	20852.30	20853.30	1.00	1.20	1.20	1.20	72	138.5
5-Feb-18	13:40	Fine	24174	2.6822	2.6890	20853.30	20854.30	1.00	1.20	1.20	1.20	72	94.2
10-Feb-18	8:55	Fine	24259	2.6586	2.6711	20878.30	20879.30	1.00	1.12	1.18	1.15	69	181.1
10-Feb-18	10:35	Fine	24283	2.6661	2.6795	20879.30	20880.30	1.00	1.12	1.12	1.12	67	199.4
10-Feb-18	13:00	Fine	24265	2.6627	2.6770	20880.30	20881.30	1.00	1.18	1.18	1.18	71	201.9
15-Feb-18	9:00	Cloudy	24381	2.6541	2.6618	20905.30	20906.30	1.00	1.18	1.18	1.18	71	109.1
15-Feb-18	10:26	Cloudy	24358	2.6599	2.6679	20906.30	20907.30	1.00	1.05	1.05	1.05	63	126.4
15-Feb-18	13:00	Cloudy	24227	2.6717	2.6786	20907.30	20908.30	1.00	1.05	1.05	1.05	63	109.0
21-Feb-18	11:00	Cloudy	24347	2.6600	2.6635	20932.30	20933.30	1.00	1.12	1.12	1.12	67	52.1
21-Feb-18	13:00	Cloudy	24345	2.6507	2.6531	20933.30	20934.30	1.00	1.06	1.06	1.06	63	37.8
21-Feb-18	14:50	Cloudy	24342	2.6632	2.6700	20934.30	20935.30	1.00	1.18	1.18	1.18	71	96.1
27-Feb-18	9:10	Fine	24428	2.6596	2.6665	20959.30	20960.30	1.00	1.06	1.06	1.06	63	108.8
27-Feb-18	10:15	Fine	24419	2.6483	2.6550	20960.30	20961.30	1.00	1.18	1.18	1.18	71	94.7
27-Feb-18	13:00	Fine	24413	2.6638	2.6723	20961.30	20962.30	1.00	1.12	1.12	1.12	67	126.7



Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24038	2.6799	2.7441	8294.32	8318.32	24.00	1.08	1.08	1.08	1551	41.4
3-Feb-18	8:00	Fine	24123	2.6635	2.8321	8321.32	8345.32	24.00	1.08	1.08	1.08	1558	108.2
9-Feb-18	8:00	Fine	24169	2.6399	2.7699	8348.32	8372.32	24.00	1.06	1.06	1.06	1525	85.3
14-Feb-18	8:00	Cloudy	24266	2.6839	2.8405	8375.32	8399.32	24.00	1.06	1.05	1.06	1520	103.0
20-Feb-18	8:00	Cloudy	24238	2.6524	2.7183	8402.33	8426.33	24.00	0.95	0.95	0.95	1367	48.2
26-Feb-18	8:00	Fine	24461	2.6709	2.7591	8429.33	8453.33	24.00	1.06	1.05	1.06	1523	57.9

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 311.3

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	8:47	Cloudy	23515	2.6032	2.6059	8318.32	8319.32	1.00	1.08	1.08	1.08	65	41.8
30-Jan-18	10:50	Cloudy	24083	2.6839	2.6849	8319.32	8320.32	1.00	0.94	0.94	0.94	56	17.8
30-Jan-18	13:10	Cloudy	24116	2.6709	2.6722	8320.32	8321.32	1.00	1.08	1.08	1.08	65	20.1
5-Feb-18	8:10	Fine	24132	2.6711	2.6754	8345.32	8346.32	1.00	1.01	1.01	1.01	61	70.8
5-Feb-18	10:00	Fine	24147	2.6725	2.6803	8346.32	8347.32	1.00	1.08	1.08	1.08	65	120.1
5-Feb-18	13:25	Fine	24176	2.6615	2.6686	8347.32	8348.32	1.00	1.08	1.08	1.08	65	109.3
10-Feb-18	8:40	Fine	24160	2.6613	2.6701	8372.32	8373.32	1.00	1.06	1.06	1.06	63	138.8
10-Feb-18	10:25	Fine	24282	2.6687	2.6777	8373.32	8374.32	1.00	1.06	1.06	1.06	63	142.0
10-Feb-18	13:00	Fine	24264	2.6569	2.6709	8374.32	8375.32	1.00	1.06	1.06	1.06	63	220.8
15-Feb-18	8:45	Cloudy	24364	2.6660	2.6721	8399.33	8400.33	1.00	0.98	0.98	0.98	59	103.4
15-Feb-18	10:11	Cloudy	24359	2.6681	2.6721	8400.33	8401.33	1.00	0.91	0.91	0.91	55	72.9
15-Feb-18	13:00	Cloudy	24354	2.6638	2.6709	8401.33	8402.33	1.00	0.95	0.95	0.95	57	124.7
21-Feb-18	9:45	Cloudy	24371	2.6677	2.6716	8426.33	8427.33	1.00	1.06	1.06	1.06	63	61.6
21-Feb-18	10:50	Cloudy	24375	2.6598	2.6638	8427.33	8428.33	1.00	1.06	1.06	1.06	63	63.2
21-Feb-18	13:00	Cloudy	24464	2.6784	2.6828	8428.33	8429.33	1.00	1.06	1.06	1.06	63	69.5
27-Feb-18	8:45	Fine	24431	2.6570	2.6634	8453.33	8454.33	1.00	1.05	1.05	1.05	63	101.2
27-Feb-18	10:15	Fine	24422	2.6457	2.6524	8454.33	8455.33	1.00	1.05	1.05	1.05	63	105.9
27-Feb-18	13:00	Fine	24405	2.6602	2.6677	8455.33	8456.33	1.00	1.05	1.05	1.05	63	118.6



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171.2

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24029	2.6919	2.7402	25109.23	25133.23	24.00	1.23	1.23	1.23	1770	27.3
3-Feb-18	8:00	Fine	24142	2.6636	2.8150	25136.23	25160.23	24.00	1.23	1.23	1.23	1774	85.3
9-Feb-18	8:00	Fine	24170	2.6623	2.7999	25163.23	25187.23	24.00	1.22	1.22	1.22	1752	78.5
14-Feb-18	8:00	Cloudy	24273	2.6446	2.7855	25190.24	25214.24	24.00	1.22	1.21	1.21	1749	80.5
21-Feb-18	16:30	Cloudy	24434	2.6712	2.7267	25231.52	25255.52	24.00	1.21	1.22	1.22	1753	31.7
26-Feb-18	8:00	Fine	24453	2.6619	2.7298	25255.52	25279.52	24.00	1.22	1.21	1.22	1751	38.8

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 20 February 2018 to 21 February 2018.

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 312.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	8:58	Cloudy	23516	2.6111	2.6136	25133.23	25134.23	1.00	1.23	1.23	1.23	74	33.9
30-Jan-18	10:40	Cloudy	24084	2.6697	2.6731	25134.23	25135.23	1.00	1.23	1.23	1.23	74	46.1
30-Jan-18	13:00	Cloudy	24115	2.6678	2.6700	25135.23	25136.23	1.00	1.23	1.23	1.23	74	29.8
5-Feb-18	8:02	Fine	24133	2.6686	2.6738	25160.23	25161.23	1.00	1.23	1.23	1.23	74	70.3
5-Feb-18	9:45	Fine	24194	2.6842	2.6913	25161.23	25162.23	1.00	1.23	1.23	1.23	74	96.0
5-Feb-18	13:10	Fine	24177	2.6513	2.6587	25162.23	25163.23	1.00	1.23	1.23	1.23	74	100.0
10-Feb-18	8:45	Fine	24163	2.6601	2.6683	25187.24	25188.24	1.00	1.32	1.32	1.32	79	103.7
10-Feb-18	10:20	Fine	24154	2.6846	2.6927	25188.24	25189.24	1.00	1.32	1.32	1.32	79	102.5
10-Feb-18	13:00	Fine	24263	2.6449	2.6590	25189.24	25190.24	1.00	1.32	1.32	1.32	79	178.4
15-Feb-18	8:35	Cloudy	24365	2.6650	2.6757	25214.24	25215.24	1.00	1.21	1.21	1.21	73	147.2
15-Feb-18	10:00	Cloudy	24360	2.6524	2.6598	25215.24	25216.24	1.00	1.21	1.21	1.21	73	101.8
15-Feb-18	13:00	Cloudy	24353	2.6651	2.6713	25216.24	25217.24	1.00	1.21	1.21	1.21	73	85.3
21-Feb-18	13:00	Cloudy	24374	2.6576	2.6630	25228.52	25229.52	1.00	1.27	1.27	1.27	76	71.1
21-Feb-18	14:10	Cloudy	24460	2.6873	2.6886	25229.52	25230.52	1.00	1.21	1.21	1.21	73	17.8
21-Feb-18	15:15	Cloudy	24432	2.6503	2.6555	25230.52	25231.52	1.00	1.21	1.21	1.21	73	71.4
27-Feb-18	8:50	Fine	24430	2.6398	2.6453	25279.52	25280.52	1.00	1.21	1.21	1.21	73	75.5
27-Feb-18	10:15	Fine	24423	2.6535	2.6575	25280.52	25281.52	1.00	1.21	1.21	1.21	73	54.9
27-Feb-18	13:00	Fine	24412	2.6581	2.6628	25281.52	25282.52	1.00	1.21	1.21	1.21	73	64.5



Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 181

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24026	2.6859	2.8014	9713.36	9737.36	24.00	0.89	0.89	0.89	1278	90.4
3-Feb-18	8:00	Fine	24121	2.6537	2.7517	9740.36	9764.36	24.00	0.77	0.77	0.77	1111	88.2
9-Feb-18	8:00	Fine	24181	2.6504	2.9062	9767.36	9791.36	24.00	0.99	0.99	0.99	1424	179.6
14-Feb-18	8:00	Cloudy	24274	2.6356	2.8660	9794.36	9818.36	24.00	0.93	0.92	0.93	1336	172.5
20-Feb-18	8:00	Cloudy	24241	2.6711	2.7701	9821.36	9845.36	24.00	0.75	0.75	0.75	1078	91.9
26-Feb-18	8:00	Fine	24456	2.6666	2.7408	9849.36	9873.36	24.00	0.76	0.75	0.75	1085	68.4

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 332

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	9:15	Cloudy	23517	2.6163	2.6228	9737.36	9738.36	1.00	0.77	0.77	0.77	46	141.0
30-Jan-18	10:27	Cloudy	24057	2.6941	2.7012	9738.36	9739.36	1.00	0.77	0.77	0.77	46	154.0
30-Jan-18	13:00	Cloudy	24056	2.6812	2.6911	9739.36	9740.36	1.00	0.77	0.77	0.77	46	214.7
5-Feb-18	9:00	Fine	24196	2.6539	2.6705	9764.36	9765.36	1.00	0.89	0.89	0.89	53	310.3
5-Feb-18	13:00	Fine	24178	2.6711	2.6840	9765.36	9766.36	1.00	0.89	0.89	0.89	53	241.1
5-Feb-18	14:10	Fine	24171	2.6541	2.6709	9766.36	9767.36	1.00	0.89	0.89	0.89	53	314.0
10-Feb-18	8:05	Fine	24255	2.6502	2.6663	9791.36	9792.36	1.00	0.81	0.81	0.81	49	330.8
10-Feb-18	9:30	Fine	24158	2.6683	2.6819	9792.36	9793.36	1.00	0.87	0.87	0.87	52	260.6
10-Feb-18	10:50	Fine	24280	2.6719	2.6856	9793.36	9794.36	1.00	0.87	0.87	0.87	52	262.6
15-Feb-18	8:12	Cloudy	24368	2.6598	2.6682	9818.36	9819.36	1.00	0.75	0.75	0.75	45	187.1
15-Feb-18	9:15	Cloudy	24363	2.6747	2.6833	9819.36	9820.36	1.00	0.75	0.75	0.75	45	191.5
15-Feb-18	10:48	Cloudy	24357	2.6627	2.6691	9820.36	9821.36	1.00	0.75	0.75	0.75	45	142.5
21-Feb-18	13:00	Cloudy	24352	2.6472	2.6544	9845.36	9846.36	1.00	0.75	0.75	0.75	45	159.7
21-Feb-18	14:05	Cloudy	24465	2.6763	2.6890	9846.36	9847.36	1.00	0.87	0.87	0.87	52	243.7
21-Feb-18	15:10	Cloudy	24457	2.6737	2.6865	9847.36	9848.36	1.00	0.87	0.87	0.87	52	245.7
27-Feb-18	8:10	Fine	24440	2.6603	2.6677	9873.36	9874.36	1.00	0.75	0.75	0.75	45	164.3
27-Feb-18	9:50	Fine	24426	2.6709	2.6792	9874.36	9875.36	1.00	0.81	0.81	0.81	49	170.9
27-Feb-18	13:00	Fine	24418	2.6556	2.6690	9875.36	9876.36	1.00	0.81	0.81	0.81	49	276.0

Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
29-Jan-18	8:00	Cloudy	24075	2.6859	2.7276	21997.99	22021.99	24.00	1.13	1.13	1.13	1625	25.7
3-Feb-18	8:00	Fine	24119	2.6803	2.7807	22024.99	22048.99	24.00	1.13	1.13	1.13	1630	61.6
9-Feb-18	8:00	Fine	23535	2.6139	2.7003	22051.99	22075.99	24.00	1.12	1.11	1.11	1604	53.9
14-Feb-18	8:00	Cloudy	24271	2.6643	2.7689	22078.99	22102.99	24.00	1.11	1.11	1.11	1600	65.4
20-Feb-18	8:00	Cloudy	24068	2.6611	2.7405	22105.99	22129.99	24.00	1.10	1.11	1.11	1595	49.8
26-Feb-18	8:00	Fine	24224	2.6800	2.7357	22132.99	22156.99	24.00	1.12	1.11	1.11	1602	34.8

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-Jan-18	9:05	Cloudy	23930	2.6643	2.6653	22021.99	22022.99	1.00	1.25	1.25	1.25	75	13.3
30-Jan-18	10:10	Cloudy	23934	2.6627	2.6647	22022.99	22023.99	1.00	1.19	1.19	1.19	71	28.0
30-Jan-18	13:00	Cloudy	23940	2.6652	2.6683	22023.99	22024.99	1.00	1.13	1.13	1.13	68	45.8
5-Feb-18	13:00	Fine	24190	2.6673	2.6716	22048.99	22049.99	1.00	1.26	1.26	1.26	75	57.0
5-Feb-18	14:05	Fine	24187	2.6568	2.6607	22049.99	22050.99	1.00	1.13	1.13	1.13	68	57.4
5-Feb-18	15:10	Fine	24184	2.6568	2.6638	22050.99	22051.99	1.00	1.13	1.13	1.13	68	103.0
10-Feb-18	8:30	Fine	24162	2.6698	2.6741	22075.99	22076.99	1.00	1.11	1.11	1.11	67	64.5
10-Feb-18	10:05	Fine	24156	2.6713	2.6758	22076.99	22077.99	1.00	1.11	1.11	1.11	67	67.5
10-Feb-18	13:00	Fine	24277	2.6725	2.6808	22077.99	22078.99	1.00	1.11	1.11	1.11	67	124.4
15-Feb-18	9:14	Cloudy	24379	2.6535	2.6589	22102.99	22103.99	1.00	1.11	1.11	1.11	66	81.3
15-Feb-18	10:18	Cloudy	24074	2.6787	2.6853	22103.99	22104.99	1.00	1.23	1.23	1.23	74	89.4
15-Feb-18	13:00	Cloudy	24071	2.6733	2.6747	22104.99	22105.99	1.00	1.11	1.11	1.11	66	21.1
21-Feb-18	8:33	Cloudy	24066	2.6827	2.6861	22129.99	22130.99	1.00	1.11	1.11	1.11	67	51.0
21-Feb-18	10:07	Cloudy	24060	2.6742	2.6787	22130.99	22131.99	1.00	1.11	1.17	1.14	68	65.7
21-Feb-18	13:00	Cloudy	23634	2.6929	2.6985	22131.99	22132.99	1.00	1.11	1.17	1.14	68	81.8
27-Feb-18	9:01	Fine	24402	2.6566	2.6612	22156.99	22157.99	1.00	1.11	1.11	1.11	67	69.1
27-Feb-18	10:03	Fine	24220	2.6769	2.6812	22157.99	22158.99	1.00	1.11	1.11	1.11	67	64.6
27-Feb-18	13:00	Fine	24218	2.6535	2.6572	22158.99	22159.99	1.00	1.11	1.11	1.11	67	55.6

Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

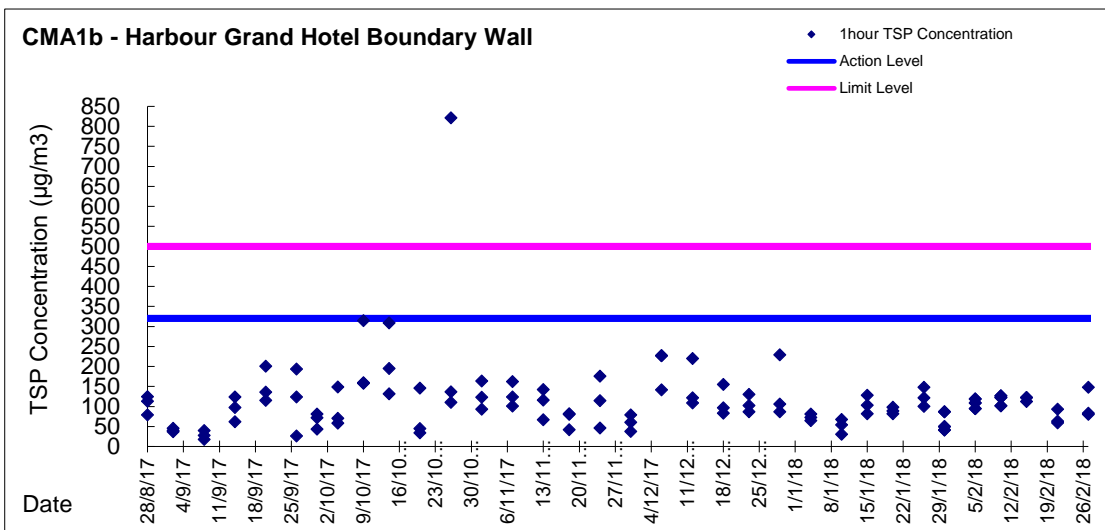
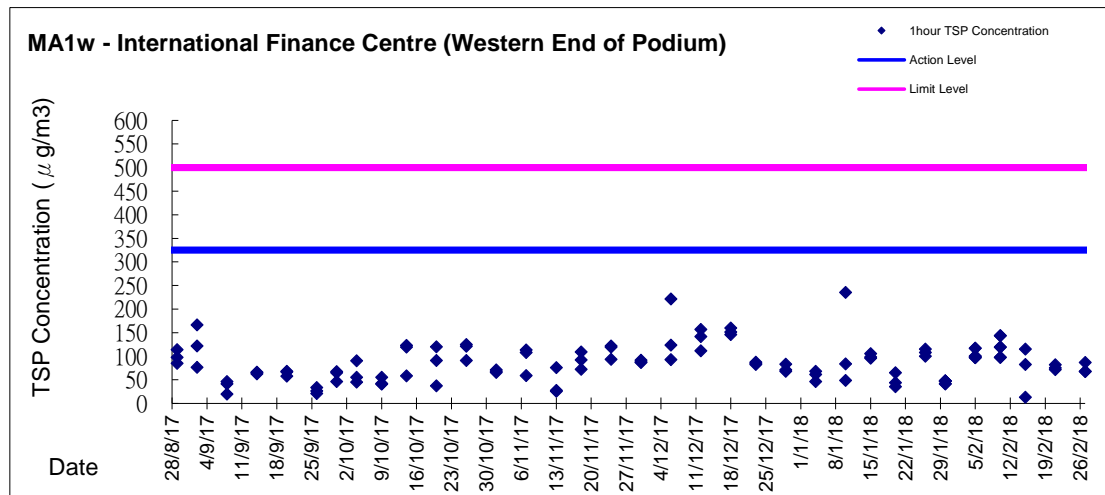
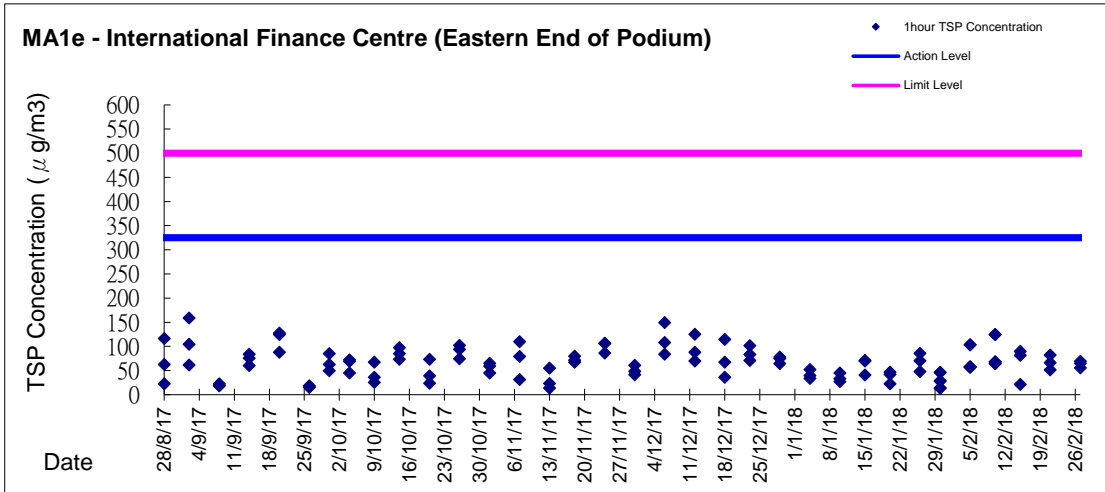
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
29-Jan-18	8:00	Cloudy	24077	2.6630	2.7338	21786.86	21810.86	24.00	1.42	1.42	1.42	2045	34.6
3-Feb-18	8:00	Fine	24118	2.6639	2.8521	21813.86	21837.86	24.00	1.48	1.48	1.48	2131	88.3
9-Feb-18	8:00	Fine	21888	2.8432	2.9958	21840.86	21864.86	24.00	1.46	1.46	1.46	2105	72.5
14-Feb-18	8:00	Cloudy	24272	2.6424	2.8074	21867.86	21891.86	24.00	1.41	1.46	1.43	2061	80.1
20-Feb-18	8:00	Cloudy	24069	2.6561	2.7557	21894.86	21918.86	24.00	1.34	1.35	1.34	1936	51.5
26-Feb-18	8:00	Fine	24225	2.6672	2.7596	21921.86	21945.86	24.00	1.46	1.46	1.46	2103	43.9

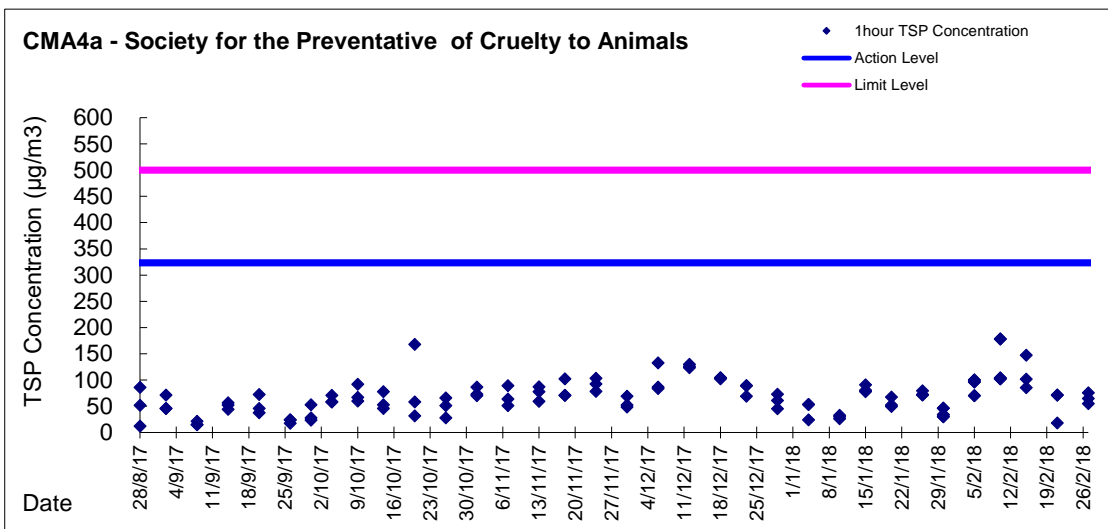
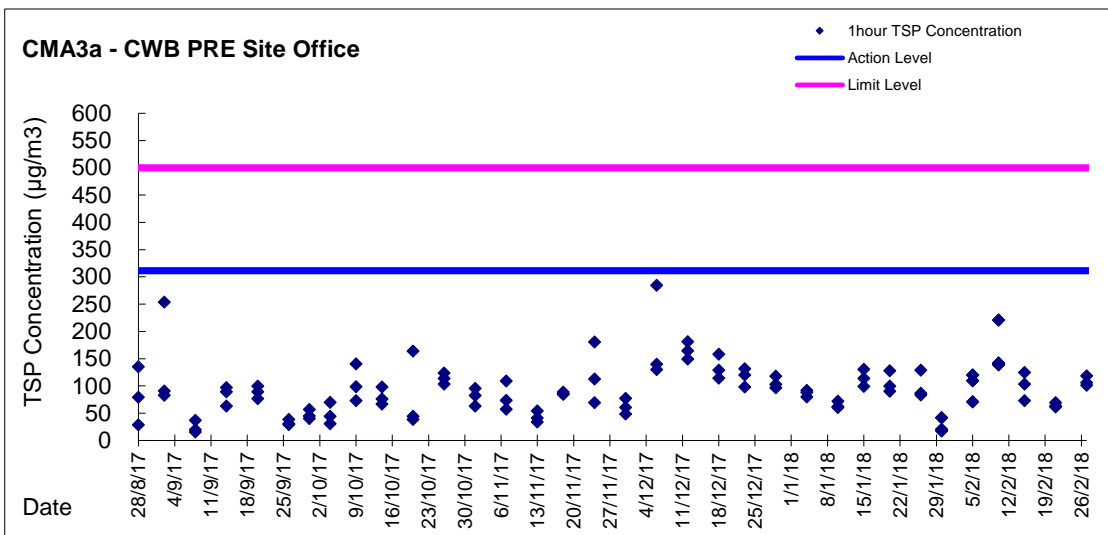
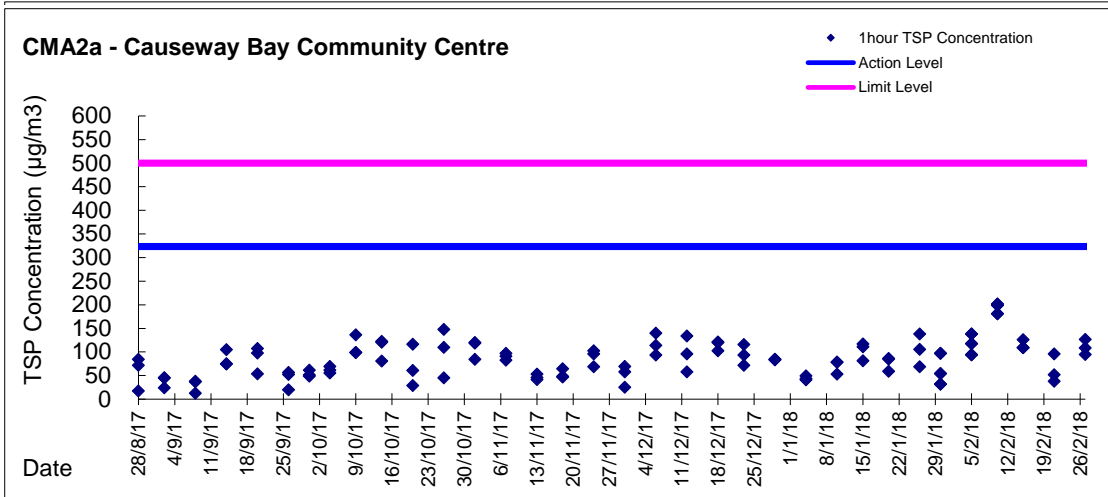
Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{\text{si}}$	Final, $Q_{\text{sf}}$	Average		
30-Jan-18	9:00	Cloudy	23931	2.6504	2.6538	21810.86	21811.86	1.00	1.36	1.36	1.36	82	41.6
30-Jan-18	10:02	Cloudy	23935	2.6636	2.6675	21811.86	21812.86	1.00	1.36	1.36	1.36	82	47.7
30-Jan-18	13:00	Cloudy	23932	2.6717	2.6756	21812.86	21813.86	1.00	1.36	1.36	1.36	82	47.7
5-Feb-18	13:00	Fine	24189	2.6621	2.6710	21837.86	21838.86	1.00	1.48	1.48	1.48	89	100.2
5-Feb-18	14:10	Fine	24186	2.6814	2.6897	21838.86	21839.86	1.00	1.42	1.42	1.42	85	97.2
5-Feb-18	15:15	Fine	24183	2.6587	2.6691	21839.86	21840.86	1.00	1.48	1.48	1.48	89	117.1
10-Feb-18	8:25	Fine	24161	2.6476	2.6562	21864.86	21865.86	1.00	1.46	1.46	1.46	88	98.2
10-Feb-18	10:00	Fine	24157	2.6697	2.6802	21865.86	21866.86	1.00	1.46	1.46	1.46	88	119.9
10-Feb-18	13:00	Fine	24278	2.6654	2.6780	21866.86	21867.86	1.00	1.46	1.46	1.46	88	143.9
15-Feb-18	9:06	Cloudy	24380	2.6530	2.6597	21891.86	21892.86	1.00	1.34	1.34	1.34	81	83.1
15-Feb-18	10:11	Cloudy	24369	2.6737	2.6748	21892.86	21893.86	1.00	1.40	1.40	1.40	84	13.1
15-Feb-18	13:00	Cloudy	24072	2.6690	2.6787	21893.86	21894.86	1.00	1.40	1.40	1.40	84	115.5
21-Feb-18	8:37	Cloudy	24067	2.6812	2.6878	21918.86	21919.86	1.00	1.46	1.46	1.46	88	75.4
21-Feb-18	9:40	Cloudy	24064	2.6852	2.6920	21919.86	21920.86	1.00	1.35	1.40	1.37	82	82.4
21-Feb-18	13:00	Cloudy	23635	2.6743	2.6806	21920.86	21921.86	1.00	1.46	1.46	1.46	88	72.0
27-Feb-18	8:54	Fine	24392	2.6348	2.6424	21945.86	21946.86	1.00	1.46	1.46	1.46	87	86.9
27-Feb-18	9:58	Fine	24222	2.6489	2.6549	21946.86	21947.86	1.00	1.46	1.46	1.46	87	68.6
27-Feb-18	11:00	Fine	24219	2.6741	2.6800	21947.86	21948.86	1.00	1.46	1.46	1.46	87	67.4

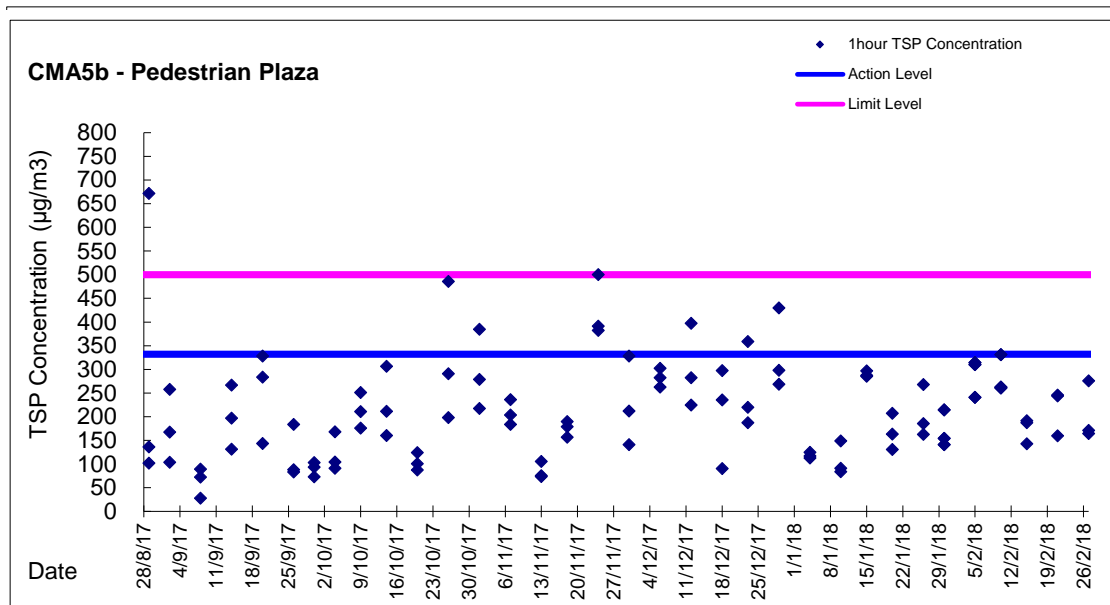
**Graphic Presentation of 1 hour TSP Result**


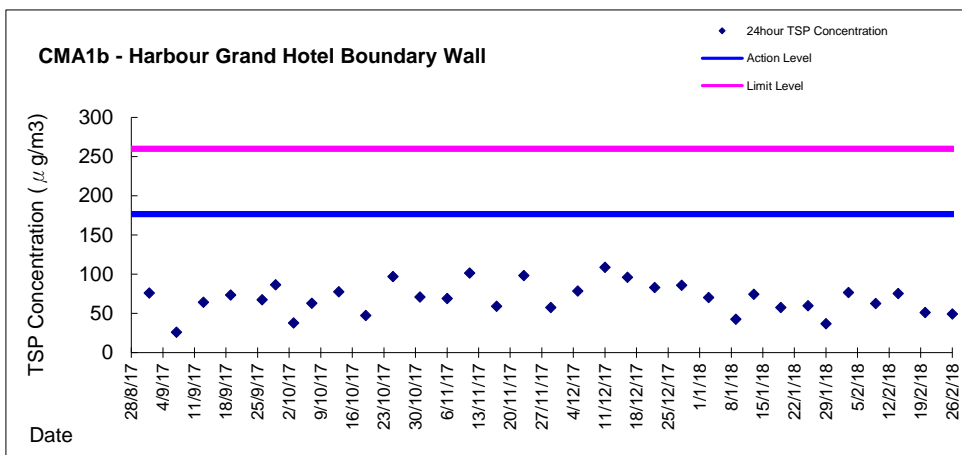
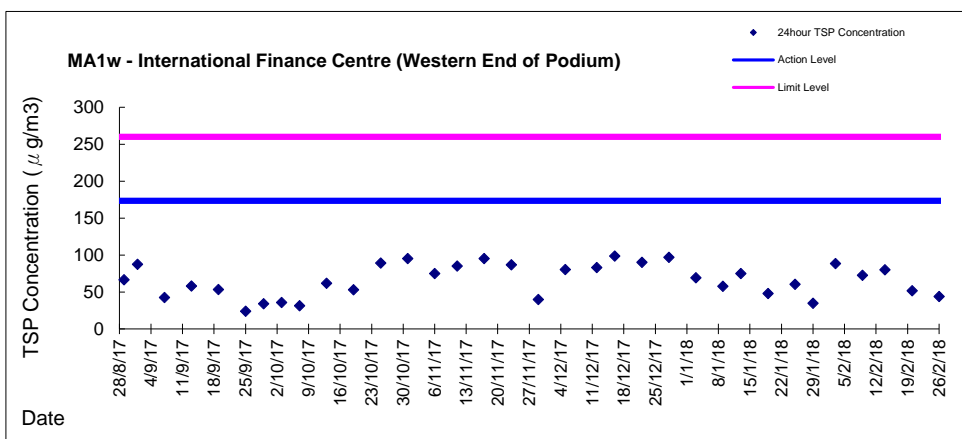
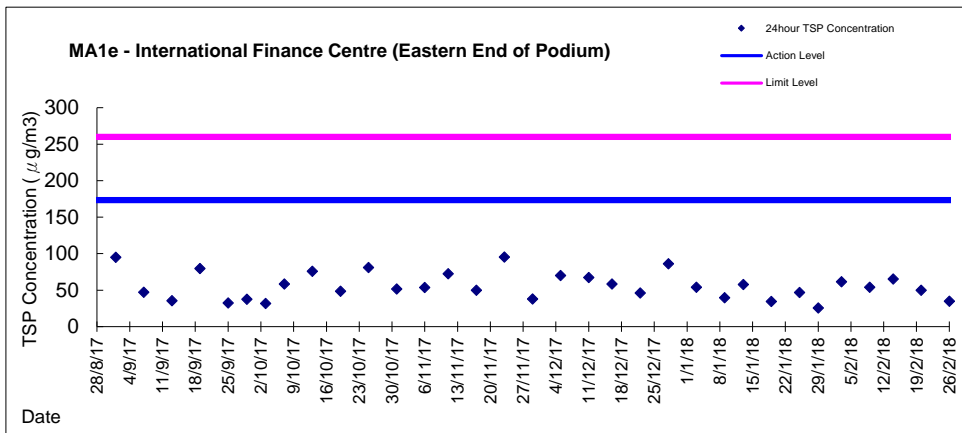
## Graphic Presentation of 1 hour TSP Result

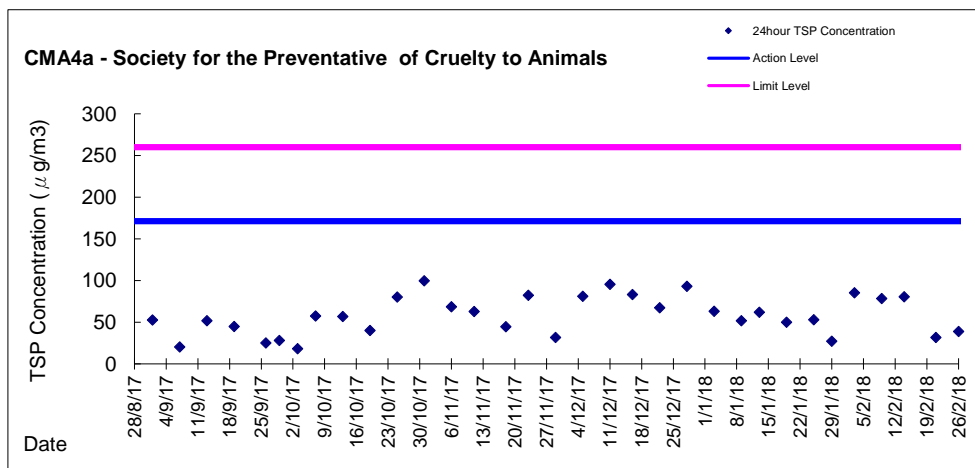
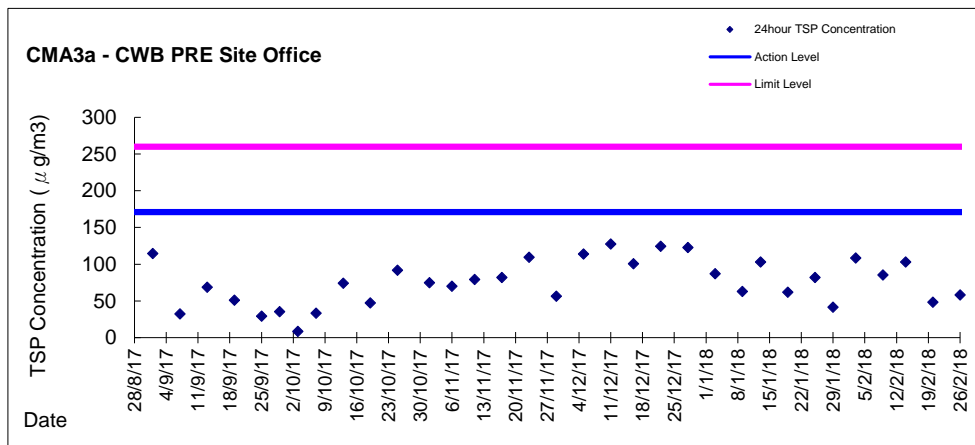
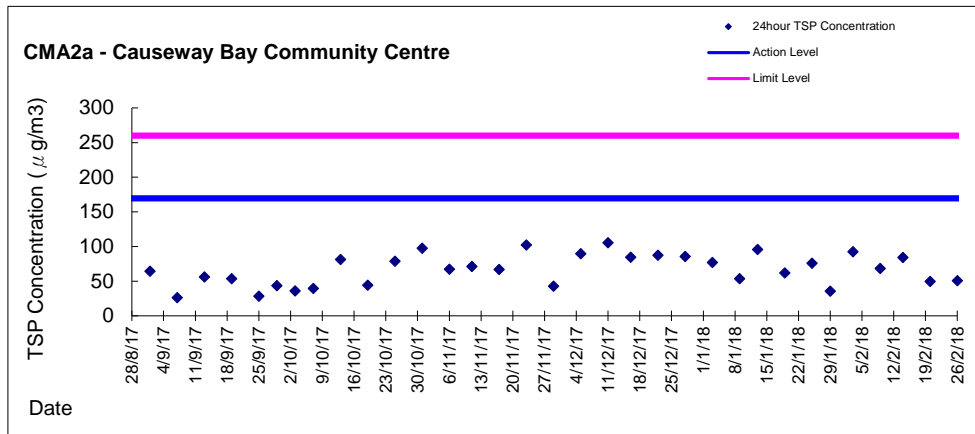




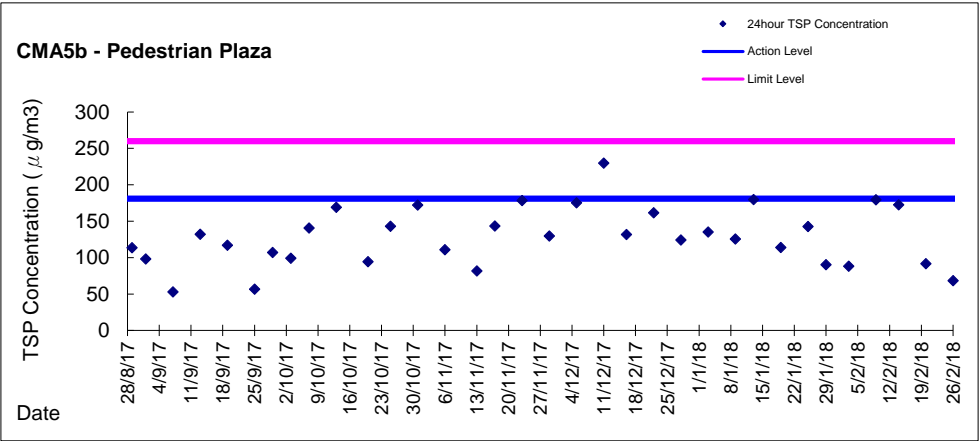
Graphic Presentation of 1 hour TSP Result



**Graphic Presentation of 24 hour TSP Result**


**Graphic Presentation of 24 hour TSP Result**


Graphic Presentation of 24 hour TSP Result





***Appendix 5.1***

*Event Action Plans*



Event/Action Plan for Construction Noise

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action Level being exceeded	<ol style="list-style-type: none"><li>1. Notify ER, IEC and Contractor;</li><li>2. Carry out investigation;</li><li>3. Report the results of investigation to the IEC, ER and Contractor;</li><li>4. Discuss with the IEC and Contractor on remedial measures required;</li><li>5. Increase monitoring frequency to check mitigation effectiveness.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Review the investigation results submitted by the ET;</li><li>2. Review the proposed remedial measures by the Contractor and advise the ER accordingly;</li><li>3. Advise the ER on the effectiveness of the proposed remedial measures.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Confirm receipt of notification of failure in writing;</li><li>2. Notify Contractor;</li><li>3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li><li>4. Supervise the implementation of remedial measures.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Submit noise mitigation proposals to IEC and ER;</li><li>2. Implement noise mitigation proposals.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>



EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Limit Level being exceeded	<ol style="list-style-type: none"><li>1. Inform IEC, ER, Contractor and EPD;</li><li>2. Repeat measurements to confirm findings;</li><li>3. Increase monitoring frequency;</li><li>4. Identify source and investigate the cause of exceedance;</li><li>5. Carry out analysis of Contractor's working procedures;</li><li>6. Discuss with the IEC, Contractor and ER on remedial measures required;</li><li>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li><li>8. If exceedance stops, cease additional monitoring.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li><li>2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Confirm receipt of notification of failure in writing;</li><li>2. Notify Contractor;</li><li>3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li><li>4. Supervise the implementation of remedial measures;</li><li>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.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Take immediate action to avoid further exceedance;</li><li>2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification;</li><li>3. Implement the agreed proposals;</li><li>4. Submit further proposal if problem still not under control;</li><li>5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>

**Event / Action Plan for Construction Air Quality**

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
<b>ACTION LEVEL</b>				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Check monitoring data submitted by ET; 2. Check Contractor's working method. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Notify Contractor. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and ER; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures. (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. Ensure remedial measures properly implemented. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
<b>LIMIT LEVEL</b>				
1. Exceedance for one sample	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. (The above actions should be taken within 2 working days after the exceedance is identified)	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. (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. Ensure remedial measures properly implemented. (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 within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
2. Exceedance for two or more consecutive samples	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. (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; 3. Supervise the implementation of remedial measures.	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. (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 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. (The above actions should be taken within 2 working days after the exceedance is identified)





***Appendix 6.1***

*Complaint Log*

**Environmental Complaints Log**

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
110723a	23/07/2011	Ms. Law at Victoria Centre by ICC no. 1-303887687	North Point	She concerned that Highways Department published a notice in their Management Office about construction works will be conducted from 0700 hours to 2300 hours during July to December 2011 including Saturday, Sunday and public holiday.	1) It was referred by AECOM to ET on 28 July 2011 2) RSS confirmed that the notice was prepared by Victoria Centre 'a Management office to their resident and the advice was only given on the extension construction works (for Contract HY/2009/15) to 7am-9pm Monday to Saturday except Public Holidays and Sundays. 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am and is expected to be completed by mid-August 2011. 4) No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 19 and 25 July 2011 during daytime and evening time period while breaking and excavation works were observed during monitoring. 5) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	Closed
110723b	23/07/2011	Ms. Yau at Block 2, Victoria Centre by ICC no. 1-304013959	North Point	Reclamation work was conducted at Causeway Bay Typhoon Shelter at 7am on 23 July 2011. She complained that the works shall be started later to minimize the noise nuisance to the vicinity of the residents in early morning	1) It was referred by AECOM to ET on 8 August 2011 2) RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. 3) With reference to the construction noise monitoring at Victoria Centre, no exceedance was recorded on 19 and 25 July 2011 during daytime while breaking and excavation works were undertaken during monitoring 4) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	Closed
110727a	27/07/2011	Mr. Law from Victoria Centre Management Office by ICC no. 1-304616162	North Point	It was complained by Mr. Law from Victoria Centre Management Office on 27 July 2011 regarding construction noise generated by the construction operations of	1) It was referred by AECOM to ET on 28 July 2011 2) RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. 3) No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 25 July and	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				Central-Wanchai Bypass at noon rather than in morning at 7am.	4 August 2011 during daytime and evening time period while breaking and excavation works were observed during monitoring. 5) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. No further complaint from complainant was received after proposed the mitigation measure.	
110727b	27/07/2011	Ms. Chiu by ICC no.1-304615409	North Point	Noise nuisance from the excavation works for the Highways Department adjacent to the Victoria Centre was conducted from 7am	1) It was referred by AECOM to ET on 28 July 2011 2) With reference to the construction noise monitoring at Vitoria Centre, no exceedance was recorded on 25 July and 4 and 10 August 2011 during daytime while breaking and excavation works were undertaken during monitoring. 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am.	Closed
	07/08/2011				4) However, complainant did not satisfy with the response on the noise nuisance from the rock-breaking during morning in front of Victoria Centre and then further complaint via 1823 on 7 August 2011. 5) Highways contacted the complainant on 15 August 2011 that the noisy rock breaking operation had been completed.  <i>Remarks: There will be counted as two complaints in this complaint log.</i>	
110730	30/07/2011	Mr. Tsui by ICC no. 1-305074350	Central	Construction noise generated by operations of Central-Interchange which is near the spa room at Four-Season Hotel. Also, the complaint enquired the commencement time of the construction on Saturday.	1) It was referred by AECOM to ET on 1 August 2011. 2) RSS confirmed that noisy plants from 2 vibratory hammers have been conducted in alternating manner for piling and drilling works for diaphragm wall construction. 3) With reference to the construction noise monitoring at IFC Western End of Podium, no exceedance was recorded on 4 August 2011 during monitoring while sheet piling works were undertaken during monitoring. 4) In order to reduce the noise impact to nearby noise sensitive receivers, Contractor has been implemented the following noise mitigation measures: - Erection of acoustic lining at the hoarding next to Four Seasons Hotel; - Temporary noise barrier with extended acoustic lining; - Reduced in plant such that only have one vibration hammer operating at the west side near Four	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Seasons Hotel instead of 2 5) In conclusion, it was related to the construction works under Contract HY/2009/18 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	
110810	10/08/2011	Mr. Yip by ICC no. 1 – 306740207	North Point	Muddy water was discharged from work site to the seafront near Oil Street during heavy rain. The environmental protection measures were not good enough and are needed to rectify.	1) It was referred by AECOM to ET on 17 August 2011. 2) Confirmed with RE, Muddy water was caused by a heap of earth being washed to the sea by heavy rain. The heap of earth was referred as a small stockpile placed close to the seafront in front of Oil Street within the site area under handover transition period from contract HY/2009/11 to contract HY/2009/19. The necessary mitigation measures to protect the small stockpile against rainfall were missing at the time of complaint. 3) Due to the missing of mitigation measures to protect the small stockpile during handover transition period, loose material was washed into the harbour when heavy rain came. Muddy water was formed and dispersed in the sea that caused the water quality and visual concern to the public. The complaint was considered as valid. 4) Contractors were advised to relocate the loose materials away from the coastline as far as practicable. Any loose material placed which needed to be placed near the coastline shall be properly compacted or covered as appropriate. To avoid any further environmental deficiency, Contractors shall ensure all necessary environmental mitigation measures will not be missing during site area handover.	Closed
110817	17/08/2011	ICC no. 1-307657681	North Point	Visual impact generated by light from a large amount of spot-lights on the barge during mid-night nearby City Garden.	1) It was referred by AECOM to ET on 23 August 2011 2) RSS confirmed that some non-essential lights were turned on during night-time period which caused the nuisance to the nearby residents. In addition, absence of lighting shields at flood lights results in visual glare to the complaint at night-time. 3) Follow-up action had been taken by contractor that switches off all non-essential lights to minimized nuisance to the nearby residents. The complainant satisfied to the practice and no further complaint was received after that.	Closed
110826	26/08/2011	Grand Hyatt and a complainant by ICC	Wan Chai	Construction noise and vibration nuisance generated from the works at Convention Avenue and inside the HKCEC1	1) Confirmed with the Resident Site Staff that the construction works were referred to the Contractor HK/2009/01. 2) The Excavator mounted breaker at Convention Avenue	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				reclamation area.	and Drilling rig at HKCEC1 reclamation area were the dominant construction noise source during this period. 3) The drilling rig at HKCEC1 reclamation area and excavator mounted breaker at Convention Avenue were then temporary suspended after received the complaint. 4) Investigation revealed that the erected noise barrier (4m cantilevered movable noise barrier for the drilling rig and 1m movable noise barrier for the excavator mounted breaker) were not located close to the plants to provide adequate noise screening. 5) Contractor was advised to avoid concurrent operation of construction plants at site. Further enhancement of movable noise barriers at HKCEC1 and providing noise enclosure for the excavator mounted breaker at Convention Avenue are needed. 6) Further site investigation and checking on 31 August and 7 September 2011 revealed that the implemented noise mitigation measures were in proper and minimize the noise impact.	
110826A	26/08/2011	A complaint letter from Mr. Au of Cayley Property of City Garden	North Point	Harbor front adjacent to their water intake suction which caused 3 times of system breakdown of the sea water pump on 9, 22 and 25 August 2011.	1) It was referred by AECOM to ET on 29 August 2011 2) Confirmed with the Resident Site Staff that the construction works were referred to the Contractors HY/2009/11 and HY/2009/19. 3) The pump is located on the site area of HY/2009/19 4) A temporary garbage defender was installed on 23 July 2011 by HY/2009/11 and the shape of the defender was adjusted on 8 August 2011 in order to exclude the outfall. 5) An ad hoc inspection of the effectiveness of garbage defender was conducted with RSS (CWB project team), contractor of HY/200911 and HY/2009/19 and IECon 29 August 2011. Inspection report of it was submitted to RSS on 19 September 2011. 5) Daily cleaning near the water intake was conducted twice a day by contractor HY/2009/19. 6) In response to City Garden request, the contractors have set up the temporary garbage defender in function and collect the floating refuses, but cannot eliminate all refuses, in particular the refuse come from sea bed from entering the intake. 6) According to the complaint letter from Cayley Property, the outcomes of the preventive measures were not complying with their expectation. 7) During on-site inspection, floating refuses observed	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					occasionally outside the garbage defender. No conclusion could be made for the source of these floating refuses. On the other hand, some of the floating refuses were observed immigrating in the protective zone during investigation 8) All daily cleaning actions had been taken by contractor to minimize floating refuse inside the construction site. It was noted that the intake (land side) is open assess to public, so that many activities such as fishing, feeding fish were conducted there even though a notice has already hoisted. Also, tripping of rubbish by the passers-by could result in a lot of rubbish accumulated around the intake point. 9) Referring to the record provided by CPML, there were a lot of nylon/ plastic bags and nylon wire mesh that matched those rubbishes generated from the public activities. 10) Contractors have fulfilled the requirement of site cleanness and no exceedance was recorded during Water Quality Monitoring. It is consider the cause of this complaint is not related to project and environmental issue in this project as well. No more complaint received after ad-hoc inspection	
111014	14/10/2011	The complainant, Ms. Tam complained via hotline 1823	Wan Chai	The polluted fumes and exhaust from the excavation by sub-contractor of CEDD on pedestrian way outside no.25 Harbour Road (in front of the Harbour Centre)	1) RSS notified ET to carry out investigation on 17 October 2011. 2) ET confirmed with the Resident Site Staff that the location of the excavator was within site area of Contract no. HK/2009/02 undertaking the water cooling main reprovision works along the Harbour Road. The plants including the excavator have been checked before using at the site. However, the polluted fumes and exhausted from the excavator was caused due to insufficient maintenance of the plant after using at site. 3) After receiving the complaint, the excavator was then removal off-site for checking and maintenance works on 17 October 2011. 4) Contractor was reminded to enhance regular checking and maintenance to all plants at site. 5) RSS has replied to the complainant on the arrangement of the measures taken on 17 October 2011. Complainant was satisfied with the response and follow-up action taken by the Contractor.	Closed
111104	04/11/2011	Mr. Liu from	Wan Chai	Complain about a tree near the	1) ET confirmed with the Resident Site Staff that	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
		LCSD complained via Contractor Complaint Hotline		site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road, the status is not healthy and roof ball of two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue were half cut.	<ul style="list-style-type: none"> <li>A tree near the site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road is the Tree no. TA1122 under Contract no. HK/2009/02. Leaves of a branch of this tree were shrivelled.</li> <li>Two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue are the tree nos. A160 and A161 under Contract no. HK/2009/01. Part of roof ball of these two trees was covered by the metal plate.</li> </ul> <p>2) Independent Tree Specialists for these two inspected the trees. Contractor HK/2009/01 has taken the measure as recommend downgrading the soil level around the trunk base. Reinstating of the ground works will be conducted in mid-December 2011. For the tree no. TA1122 under Contract no. HK/2009/02, the brown leaves were removed and fenced the tree with orange net is provided to prevent damage of tree trunk by construction works. The distance between the tree and the edge of the trench is kept approximate 2m. Two Contractors were reminded to carry out regular watering to the trees within their site area.</p>	
111106	06/11/2011	Police officer	Wan Chai	Construction noise generated from the site at about 6:30 a.m on 6 November 2011 and require to stop the machine operation	<p>1) According to the information reported by Contractor, one BC cutter and hoist were operated for Diaphragm Wall construction of Shatin-Central Link to inspect bentonite pipes and ensure no damages and all the joints are tightened in good position. Then, the subcontractor for Diaphragm wall, SAMBO Korean foreman stopped the engine of the BC cutter immediately. The police officer recorded the details and HKID number of the foreman and then left. Due to the different language communication between the police officer and the Korean foreman, no CNP was checked by the police officer.</p> <p>2) ET confirmed with the Resident Site Staff that same issue was also raised out by RSS at about 7:00a.m on the same day. Besides, it was confirmed that there is no valid Construction Noise Permit for the conducted construction works in the period between 2300 and 0700.</p> <p>3) Due to insufficient communication between Contractor HK/2009/01 and their Korean Sub-contractor, Korean Sub-contractor had not notified to Contractor before carrying out the inspection of the BC cutter, hoists and</p>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>bentonite pipes at about 6:00a.m to ensure no damages and all the pipe joints should be tightened and in good position.</p> <p>4) Contractor was advised to enhance the communication between Contractor and sub-contractor and provide sufficient environmental training to all foreman and operators on restricted hour operation. Furthermore, Construction Noise Permit should be checked and in place for the construction works during restricted hour</p> <p>5) This complaint was considered in relation to the conducted construction works during restricted hours without valid Construction Noise Permit. No more construction works were conducted during night time period. The construction works will be conducted in accordance with the time period stated in valid CNP. This complaint will be kept in view of any follow-up action from the relevant government activities.</p>	
111212	12/12/2011	The complainant, Mr Tsui from IFCII's management office complained via hotline 1823	Central	A visual impact complaint from hotline 1823 was received by ET on 9 January 2011 (ICC Ref. No.: ICC#1-333037096 dated on 12 December 2011). The complaint, Mr Tsui was reported that visual nuisance caused by lighting in the construction site during night time.	<p>1) RSS notified ET on 9 Jan 2012.</p> <p>2) ET confirmed with the Resident Site Staff that A joint inspection was conducted by Mr Tsui and contractor on that night to see whether there is any improvement.</p> <p>3) Due to safety reason, igniting enough lights should not be avoided in construction site. However, the light sources were not directed away from pointing to the sensitive receiver and results in visual glare to the complaint.</p> <p>4) Confirmed with the Resident Site Staff the complainant was satisfied the new arrangement of the lights with contractor after the joint inspection. No further complaint received after that.</p>	Closed
111220	20/12/2011	The complainant, Ms. Poon complained via hotline 1823 (ICC Ref. No.: ICC#1-334683841)	North Point	Construction air and noise nuisance generated that many trucks carrying construction materials driving along Watson Road and Oil Street and possibly entering/leaving the construction site near the IEC during 0800 to 1900 hours.	<p>1) RSS notified ET on 22 Dec 2011.</p> <p>2) ET confirmed with the Resident Site Staff that the complainant cannot identify whether the trucks were working under the CWB project or not.</p> <p>3) The dominant construction air and noise nuisances were emitted by the trucks along Oil Street and Waston Road, however, this is the public road for all vechicles. Reviewing the air quality montioring and noise monitoring results. No exceedance was recorded during this period.</p> <p>4) Confirmed with the Resident Site Staff that they provided a contact no. for any future enquiries regarding</p>	Closed





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					CWB project to the complainant and she was satisfied on the arrangement and no further complaint was received after that.	
111230	30/12/2011	Residents of Harbour Heights	North Point	Construction air and noise nuisance generated by construction vehicles were found parked illegally at King Wah Road and lining up at Oil Street without the engine turning off.	1) RSS notified ET on 6 January 2011. 2) ET confirmed with the Resident Site Staff that a number of construction activities are concurrently proceeding in the vicinity of Oil Street, King Wah Street and a private development project in King Wah Street 3) The dominant construction air and noise nuisances were emitted by the trucks along Oil Street and King Wah Road, however, this is the public road for all vehicles. Reviewing the results of air quality monitoring station (CMA1b) and noise monitoring (M4b). No exceedance was recorded during this period. Site inspections for HY/2009/19 were conducted on 4 January 2012. The condition of the site access at Oil Street and the public road nearby were found satisfactory. It is noted that HyD also allow and encourage their contractors to maximize the use of marine access, where available, to work sites, so as to minimize burdening nearby public roads. When land trips are unavoidable, they require contractors to tidy up their construction vehicles before leaving works sites. No contractor under CWB project parked their vehicles illegally at King Wah Street, and HyD still reminded them not to commit such offence. 4) According to HyD's staff replied the complaint letter on 10 January 2012, there is a private development project under construction at King Wah Road. To access these works sites, construction vehicles have to use public roads nearby. No further complaint received after HyD's reply.	Closed
120118	18/01/2012	N/A	North Point	A complaint regarding a tree located in front of Victoria Centre under IECL was covered by one meter mud without any protection. The complainant concerns the health of the tree in such condition.	1) RSS notified ET on 20 January 2012. 2) ET confirmed with the Resident Site Staff that The tree is inside the site area of HY/2009/19 and The Botanical name of the tree is Ficus superba var. japonica and the I.D. of the tree is UT48 3) According to the information provided by RSS on 20 Jan 2012, the tree shall be felled that has been approved by DLO on 29 August 2011. Moreover, the tree was felled	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					by contractor on 19 January 2012. 4) No further complaint received after HyD's reply.	
120305	03/03/2012	Resident of Harbour Heights complained via hotline 1823 (ICC Ref. No.: ICC#1-344632511)	North Point	A complaint regarding excessive noise from construction sites of CWB was observed outside Harbour Heights from Monday to Saturday before 8am. The plants were frequently turned on before 7:30am creating nuisance. The complainant requested a speedy follow-up and reply from relevant department.	1) RSS notified ET on 5 March 2012. 2) ET confirmed with the Resident Site Staff that PME for diaphragm wall construction started to operate at about 7:30am whilst the other PME, including those for land bored piling work, started to operate after 8am. 3) After reviewing the results of noise monitoring (M4b), no exceedance was recorded during daytime period and the noise level were below 75dB(A). Site inspection for HY/2009/19 was conducted on 7 March 2012. The condition of noise mitigation measures near Harbour Heights was found satisfactory. RSS confirmed that no operation was active before 7:00am everyday. The suspected nuisance was to be considered caused by the PME for diaphragm wall construction. A surprise check was performed on 13 March 2012 by RSS. It was found that no noisy PME was in operation by Contractor of HY/2009/19 before 8am, and the construction noise level was minimal and not disturbing. The noise level and operation time both complied with statutory requirements set up in NCO. 4) Complainant called ICC on 8 March 2012 to confirm HyD has provided a response. No further complaint was received after the response.	Closed
120405	05/04/2012	N/A	North Point	A complaint regarding excessive noise from construction sites of CBTS was observed daily before 7:30am except on public holidays, and the noise source was mainly from piling works. The complainant requested that construction works should start after 8:30am to avoid nuisance to nearby residents and a speedy follow-up and reply.	1) RSS notified ET on 5 April 2012. 2) ET confirmed with the Resident Site Staff that no piling works were performed during the concerned period. 3) After reviewing the results of noise monitoring (M2b and M3a), no exceedance was recorded during daytime period and the noise level was below 75dB(A). Site inspection for HY/2009/15 was conducted on 10 April 2012. The condition of noise mitigation measures around CBTS was found satisfactory. RSS confirmed that no pilings were performed during the concerned period. The major works included drilling, diaphragm wall construction and excavations. 4) HyD made a reply to the complainant on 16 April	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					2012 via 1823. HyD replied that the current works at CBTS were drilling, diaphragm wall construction and deep excavations. In order to minimize the noise generated from the above works, the Contractor had erected temporary noise barriers and provided noise blankets on plants. RSS would continue to work with the Contractor on the effectiveness of the environmental mitigation measures implemented on site. No further complaint was received after the response.	
120415	15/04/2012	The complainant Ms. Law, resident of Fu Lee Loy Mansion, complained via hotline 1823 (ICC Ref. No.: 1-351021108)	North Point	A complaint regarding excessive noise generated from a HyD project that is located at the connection point of CWB and IEC affecting nearby residents. Lately during the middle of the night (around 00:00 to 05:00), low frequency noise, which possibly came from the operating power generator and the barges which were parked along the Oil Street work site, were making a nuisance to the complainant and residents nearby. The complainant requested that relevant department should follow-up.	<ol style="list-style-type: none"><li>1) RSS notified ET on 17 April 2012.</li><li>2) ET confirmed with the Resident Site Staff that there was no operation of power generators for HY/2009/19 and HY/2009/17 (HY/2009/11 had no physical work on site) during the concerned period. Although there were a few barges mooring at the seafront of HY/2009/19, they were not in operation and hence no operational noise would be emitted.</li><li>3) After reviewing the results of noise monitoring (M4b and M5b), no exceedance was recorded during day time period and the noise level was below 75dB(A). Site inspection for HY/2009/19 was conducted on 18 April 2012. The condition of noise mitigation measures near Harbour Heights were found satisfactory. RSS confirmed that no operation of power generators for HY/2009/19 and HY/2009/17 (HY/2009/11 had no physical work on site) during the concerned period. Although there were a few barges mooring at the seafront of HY/2009/19, they were not in operation and hence no operational noise would be emitted.</li><li>4) HyD made a reply to the complainant on 30 April 2012 via email. HyD replied that the current works near Oil Street, North Point, included CWB tunnel works, IEC connections and associated foundation works. According to RSS records, no operations were performed during the early hours of March and April at Oil Street and the waterbody nearby, and so it was believed that the noise nuisance was not generated from the CWB project. Despite that, RSS would continue to monitor the Contractor on the operations and effectiveness of the environmental mitigation measures implemented on site, as not to affect daily life of local residents nearby. No further complaint was received after the response.</li></ol>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130308	06/03/2013	ICC Case#1-407181502	Tin Hau	A complaint regarding the dropping of fine rock material into surrounding waterbody was observed during rock breaking operation with two excavators in active operation at the Eastern Breakwater of Causeway Bay Typhoon Shelter near the North Point lighthouse.	<p>1) RSS notified ET on 8 Marc 2013</p> <p>2) ET confirmed with RSS that excavation works, installation of buoy, flashing light and silt curtain and dredging works were undertaken at Eastern Breakwater during the concerned period on 6 March 2013. One backhoe equipped with breaker and one derrick barge were confirmed in operation while another backhoe was at idle during the concerned period on 6 March 2013.</p> <p>3) Reviewing the photo record provided by RSS, the condition of the silt curtain deployed around the Eastern Breakwater on 6 March 2013 was found to be in good condition. It is considered that the silt curtain was properly in place during the concerned period and the concerned act of dropping of fine rock material was confined within the silt curtain boundary without adverse impact to the nearby water quality.</p> <p>Further follow up was conducted on 12 March 2013 during weekly environmental audit inspection, the silt curtain deployed around the concerned area was found to be maintained in good condition and the water quality at the concerned work area was generally satisfactory. No violation of the Environmental Permit condition was found.</p> <p>The contracotr was advised and committed to implement preventive meaures to minimize the potential impact of work including conducting regular diver check to ensure the integrity and the extend of silt curtain deployment and to provide adequatae back up stock of silt curtain for emergency use.</p>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130606	30/5/2013	ICC Ref. No.: #1-430164728	Central – Man Kat Street	1. A number of trees (approximately more than ten) along Man Kat Street were found to be in poor health condition with withered and yellow leaves. The complainant has requested a follow-up by relevant department.	<p>1 ) RSS notify ET on 6 June 2013</p> <p>2) ET confirmed with the Resident Site Staff that</p> <p>According to the information provided by RSS, 13 no. of the trees - Roystonea regia (T1674, T1675, T1676, T1677, T1678, T1679, T1680, T1681, T1683, T1644, T1643, T1641, T1639) at the concerned location raised by the complainant was found to be with withered and yellow leaves and 1 no. of tree- Khaya senegalensis (T1712) raised by the complainant was found to be in poor health condition.</p> <p>No construction works was undertaken by Contract HY/2009/18 at the concerned planter area where the affected trees are located.</p> <p>It was also observed that an active CEDD construction works area under a separate contractor not related to Central Wan Chai Bypass Project was found to be located within the concerned planter area.</p> <p>3) A follow-up joint inspection with RSS and Landscape specialist was conducted on 10 June 2013, it was considered that the withered and yellow leaves of the affected trees (T1674, T1675, T1676, T1677, T1678, T1679, T1680, T1681, T1683, T1644, T1643, T1641, T1639) at the concerned planter area were contributed by natural life cycle of the affected trees and the health condition of the affected trees were considered to be fair. It was also noted that an active CEDD works area was located within the concerned planter area in close proximity to few of the concerned trees (T1644, T1643, T1641, T1639)</p> <p>According to tree inspection records from Jan 2013 to May 2013 confirmed by RSS (Document Ref: CI-F1-043b, CI-F1-044b, CI-F1-045b, CI-F1-046b, CI-F1-047b), the affected tree (T1712) at the concerned planter area was considered to show sign of withering and considered to be in poor health condition in latest tree survey report confirmed by RSS.</p>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>During the follow-up inspection on 10 June 2013, It was observed that construction material and oil drum were placed near the the roots area of other trees within the CEDD works. Despite the above observation, no direct evidence was found on site which indicates the work front have contributed to the poor health condition of the affected tree (T1712) at the time of investigation.</p> <p>4) The relevant contractor have removed the construction material near the root area of the trees retained on site and conduct pruning to remove the withered and yellow leaves retained on tree trunk to minimize impact on the trees appearance.In addition, safety supporting wire was provided for concerned tree (T1712)</p> <p>5) ET recommended the contractor to keep in view the health condition of the concerned tree (T1712) and apply permission for tree felling together with tree compensation plan if considered necessary. Furthermore, the contractor was reminded to implement regular checking of tree health condition and regular removal of withered leaves to maintain the overall tree appearance.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130611	30 May 2013 and 1 June 2013	EPD Ref.:H04/RS/0001 1587-13	Area near Central Pier	1. Noise was emanated from the construction site near the Central Piers at around 0900 hrs on 30 May 2013 and other days and requested follow up action by relevant department.	<p>1) RSS notify ET on 11 June 2013</p> <p>2) ET confirmed with the Resident Site Staff that According the information confirmed by RSS, major noise generating construction activities undertaken at works area near Central Pier during the concerned time include</p> <ul style="list-style-type: none"><li>- Breaking up existing D-wall concrete and excavation at portion 4B and 4C</li><li>- Sheet piling works at Portion VI (Man Kat Street)</li></ul> <p>3) Total 1 no. of Backhoe with breaker, 1 no. of Backhoe with vibratory hammer and 4 no.s of pneumatic breakers were deployed for the above construction activities.</p> <p>Reviewing the noise monitoring data at monitoring stations (M7e- International Finance Centre Eastern End of Podium and M7w- International Finance Centre Western End of Podium), no limit level exceedances were recorded during routine noise monitoring event on 28 May 2013 and 03 June 2013. As similar construction works activities conducted on 30 May 2013 was continued across the above monitoring period, the noise emanated from the construction activities under Contract HY/2009/18 was considered to complied with the statutory requirement.</p> <p>In addition, weekly environmental site inspection was conducted on 30 May 2013 at around 10:00. According to the inspection record, no particular observation regarding noise impact was recorded and the mitigation measures including erection of of temporary noise barrier was observed in place.</p> <p>As such, no direct information associated with the noise concerned raised was considered available and no non-conformity was identified.</p> <p>4) ET recommend the contractor to review the need of additional noise mitigation measures to further reduce the noise enmated during construction works for pier side public area.</p>	<p>Interim report submitted to EPD on 19 June 2013,</p> <p>EPD advised no further comment on 5 Aug 2013and final report for case closing submitted on 6 Aug 2013.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
131010	03 Oct 2013	ICC Ref: No.1-467000768	Area between Central Pier and International Finance Centre	Noise and air quality impact was experienced at the area located between IFC and Central Pier during peak hours.	<p>ET confirmed with the Resident Site Staff that</p> <p>1) The major construction activities at the concerned location conducted over the past three months include;</p> <ul style="list-style-type: none"><li>- Formwork, rebar and concreting</li><li>- Backfilling</li><li>- Water-proofing</li><li>- Scaffolding erection</li></ul> <p>2) Mitigation measures implemented by the Contractor for the above construction works include</p> <ul style="list-style-type: none"><li>- Select quiet plant and work methods;</li><li>- Check plant and equipment for condition;</li><li>- For use of powered mechanical equipment during restricted hours: Obtain necessary Construction Noise Permit and strictly comply with their conditions;</li><li>- Frequently spray water to major haul road and stockpiles to suppress dust generation; and</li><li>- Cover stockpiles with impervious sheets</li></ul> <p>The construction activities including backfilling, concreting and other associated tunnel works were undertaken in the past three months. Having reviewing the monitoring data of the monitoring stations in the vicinity of the concerned location raised by the complainant, namely monitoring station M7e and M7w (Noise Monitoring Station) and MA1e and MA1w (Air Monitoring Station), no action or limit level exceedance was recorded.</p> <p>In addition, mitigations measures including water spraying and erection of noise barrier were observed during weekly site inspection in August and September 2013 and reminders on dust mitigations measures given during weekly site inspection to the contractor were rectified. As such, the construction activities under Contract HY/2009/18 were considered in compliance with the statutory requirement and no cumulative air/ noise quality impact was observed in the past three months.</p>	Closed





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Elevated noise level at monitoring station M7e (International Finance Centre East Podium) was noted on 24 September 2013. The Contractor is recommended to review the current measures and to implement additional noise mitigation measures to further avoid potential impact to nearby public area during construction works.	
131217	16 Dec 2013	ICC Case Ref.: 1-484998552	Victoria Park near Hing Fat Street Exit	Sweeping of muddy water into public drains.	<p>ET confirmed with the Resident Site Staff that 1)The major construction activities around the concerned location conducted on 16 Dec 2013 a.m.includes: -Preparation work of rootball for tree transplanting</p> <p>According to the information provided by RSS, the construction activities around the concerned location on 16 Dec 2013 include preparation work of rootball for tree transplanting at Zone 17/18.</p> <p>A further investigation on the complaint was conducted on 19 Dec 2013 during weekly environmental inspection. It was observed that a tree worksarea comprised of mainly loosen soil was located near the concerned location. It was considered that the inclined surface and loosen soil nature of the concerned worksarea could have led to the muddy surface runoff in rain. Deposition of muddy runoff onto nearby public pavement outside worksarea was hence resulted and was subsequently cleaned into nearby public stormwater drain by the Contractor's workers on the complaint date. As such, the case was considered as works related.</p> <p>Sandbags, geotextile and gravels were immediately placed by the Contractor around the gullies at the concerned location to prevent leftover muddy runoff to the public stormwater drain as observed during the weekly inspection on 19 Dec 2013.</p> <p>With respect to the follow-up raised by the complainant on 19 Dec 2013, sandbags, geotextile and gravels placed at gullies located at public area were removed by the Contractor on the same day for maintaining passible public pavement. Follow up measures including sandbag bundle and covering of worksarea with impervious sheeting was immediately placed at the source of impact at the concerned worksarea boundary by the Contractor.</p>	Final investigation report issued on 20 Dec 2013. Case closed on 3 Jan 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
131224	24 Dec 2013	(ICC Case Ref.: 1-486434321	Victoria Park Children Playground	Odour and large amount of dust particles affecting the public user of the Victoria Park near Children playground	<p>ET confirmed with the Resident Site Staff that</p> <p>1) The major construction activities around the concerned location conducted on 24 Dec 2013 include:</p> <ul style="list-style-type: none"><li>- Breaking up existing pillar box for new children playground Portion II</li><li>- Pressing of sheet pile at bowling green for ELS works Portion XII</li><li>- Welding work for preparation of sheetpiling work at bowling green Portion VI</li><li>- Demolition of existing pavilion for bowling green Portion VI</li><li>-Felling of tree TA50 at Victoria Park Zone</li></ul> <p>2) Mitigation measures implemented by the Contractor for the above construction works include</p> <ul style="list-style-type: none"><li>-Water spraying for demolition and other dust generating works.</li></ul> <p>According to the relevant site records, breaking up of existing pillar box, pressing of sheet pile, welding work for preparation of sheetpiling demolition of existing pavilion and felling of tree TA50 at Victoria Park Zone 13 were conducted at the concerned location during the time of complaint.</p> <p>Based on information and photo record provided by the RSS, dust mitigation measures including water spraying during dust generating works were implemented by the Contractor at the concerned location on 24 Dec 2013.</p> <p>Follow-up investigation was conducted on 27 Dec 2013 during weekly environmental inspection, dust mitigation measures including water spraying to dusty area and major dust generation works were confirmed in place despite a general reminder was given to the contractor to enhance the water spraying to dusty haul road during dry season. Based on on-going site inspection and the follow-up investigation, the site condition was considered generally satisfactory and no non-conformance was identified.</p> <p>Upon further review on the supplementary information provided by the complainant on 31 Dec 2013 and investigation conducted on 2 Jan 2014, the tree felling work of tree TA50 was located nearest to the location of the complainant. According to the location plan provided by the RSS and on site investigation, the tree felling work</p>	Case closed and full investigation report issued on 3 Jan 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>for TA50 was immediately in front of the location of the complainant. Based on site observation, scrap material of bark and leaves inevitably generated from cutting of branches during tree felling work was considered to be the most probable cause for the observation raised by the complainant at the concerned location on 24 Dec 2013.</p> <p>Furthermore, welding work was observed near the concerned location and was considered to be the potential source for the smell and exhaust fumes as described by the complainant. Notwithstanding the above, welding work was not identified as a work activity with air quality impact under Project EIA report but it would be desirable to implement preventive measures to minimize potential nuisance to nearby public.</p>	
140123	22 Jan 2014	ICC Case Ref.:1-494077682	Causeway Bay Typhoon Shelter	Construction works have been undertaken during restricted hours until 2300 hrs and occasionally the working hours were extended to around 0100 hrs at nighttime period over the last two to three months at a construction site located within Causeway Bay Typhoon Shelter. For instance, concreting and excavation works were conducted at the concerned location on 22 Jan 2014 during nighttime hours and generated noise impact to the complainant.	<p>ET confirmed with the Resident Site Staff that No construction activity was undertaken at workzone TS1 under HY/2009/15 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014. No construction activity was undertaken at workzone TS3 under HY/2010/08 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014.</p> <p>Concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter from 1900 to 0000 hrs on 21 Jan 2014; Total 8 no.s of concrete lorry mixers, 1 no. of water pump, 2 no.s of concrete pumps (lorry mounted), 1 no. of mobile crane QPME (diesel) and 3 no.s of vibratory pokers were operating from 1900 to 0000hrs on 21 Jan 2014.</p> <p>Concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter from 0000 to 0700 hrs on 22 Jan 2014;</p> <p>Total 1. no of concrete lorry mixer, 1 no. of water pump, 1 no. of concrete pump (lorry mounted), 1 no. of vibratory poker were operating from 1900 to 0000hrs on 22 Jan 2014</p>	Case closed and full investigation report issued on 4 Feb 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to the relevant site records, from 1900-0000hrs on 21 Jan 2014, concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 8 no.s of concrete lorry mixers, 1 no. of water pump, 2 no.s of concrete pumps (lorry mounted), 1 no. of mobile crane QPME (diesel) and 3 no.s of vibratory pokers were operating at the above period.</p> <p>From 0000 to 0700 hrs on 22 Jan 2014, concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 1. no of concrete lorry mixer, 1 no. of water pump, 1 no. of concrete pump (lorry mounted), 1 no. of vibratory poker were found operating at the above period.</p> <p>After reviewing relevant photo records and information verified by RSS and the Construction Noise Permit (CNP) no.GW-RS1384-13, it was considered that several conditions of CNP GW-RS1384-13 were not fulfilled by the Contractor in particular for the item(s) below,</p> <p>No acoustic installation was provided for the relevant PME(s) used as stated in CNP condition 3.d.during the concerned concreting works.</p> <p>From 1900 to 2300 hours on 21 Jan 2014, the PME(s) used on-site did not comply with any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in CNP no.GW-RS1384-13.</p> <p>From 0000 to 0700 hours on 22 Jan 2014, the PME(s) used by the Contractor on-site did not comply with any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in CNP no.GW-RS1384-13.</p> <p>From 1900 to 2300 hours on 21 Jan 2014 and from 0000 to 0700 hours on 22 Jan 2014, PME (Concrete Lorry Mixer) was deployed by the Contractor without barge enclosure and was unable to comply with condition 3.a. in CNP no.GW-RS1384-13.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
140127	24 Jan 2014	ICC Case Ref.: 1-494612639	Works area adjacent to the Victoria Park Bowling Green	Noise generated from piling works conducted at the works area adjacent to the Victoria Park Bowling Green have created nuisance to the Bowling Green users.	<p>ET confirmed with the Resident Site Staff that The major construction activities around the concerned location conducted on 23 Jan 2014 include:</p> <p>Pressing of sheetpile Ch.279-285 (RHS) and Ch.317 for ELS works on 23 Jan 2014. Splicing of sheetpile Ch.275-285 (LHS) for ELS works on 23 Jan 2014.</p> <p>Mitigation measures implemented by the Contractor for the above construction works include:</p> <p>Installation of acoustic panels along hoarding line at East Bowling Green; Installation of addition noise barriers on top of hoarding at East Bowling Green; Display of publicity notices along hoarding line; and No noisy work shall be carried out at the areas adjoining East Bowling Green as if there is any Bowling Green competition event to be held (i.e. Saturday afternoon).</p> <p>According to relevant site records, pressing of sheetpile Ch.279-285 (RHS) and Ch.317 for ELS works and splicing of sheetpile Ch.275-285 (LHS) for ELS works were conducted at the concerned location during the time of complaint.</p> <p>Based on the photo records and information verified by RSS, noise mitigation measures including installation of acoustic panels along hoarding line at East Bowling Green and installation of addition noise barriers on top of hoarding at East Bowling Green were implemented by the Contractor at the concerned location. Furthermore, no noisy work was conducted by contractor at the areas adjoining</p>	Case closed and full investigation report issued on 6 Feb 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>East Bowling Green when there is any Bowling Green competition event to be held.</p> <p>Follow-up investigation was conducted on 29 Jan 2014 during weekly environmental inspection, noise mitigation measures including noise barriers and acoustic panels were confirmed in place and maintained in good condition. According to previous environmental inspections recorded in Jan 2014, no particular observation regarding the noise impact was recorded. As such, no non-conformity was identified.</p>	
140311	27 Feb 2014	EPD Complaint Case (Ref:H04/RS/00 04232-14) received by ET on 11 March 2014	Central IFC Area	Excessive noise (from the operation of compressors, other heavy machinery and concrete breaking) was emanated from the construction site near IFC in daytime on 27 Feb 2014.	<p>ET confirmed with the Resident Site Staff that</p> <p>The major construction activities at the concerned location conducted on 27 Feb 2014 (Daytime) include:</p> <p>Backfilling works between north wall and sheetpiles and for roof slab; Site hoarding removal; Formwork erection and removal works, falsework erection; Concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner; Concreting works for profile barrier inside cut and cover tunnel; and Rebar fixing works and WVB basement remediation works.</p> <p>Mitigation measures implemented by the Contractor for the above construction works include:</p> <p>Use of quiet plants (air compressor with a Noise Emission Label of 99 dB(A)).</p>	<p>Interim report submitted to EPD on 18 March 2014,</p> <p>EPD advised no further comment on 26 March 2014 and final report for case closing issued on 26 March 2014</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to relevant site records, major noise emanating construction activities conducted around the concerned location on 27 Feb 2014 include concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner and concreting works.</p> <p>Based on information verified by the RSS, noise mitigation measure including utilization of quiet air compressor with noise emission label of 99 dB(A) was implemented by the Contractor on the 27 February 2014 to minimize the potential noise impact.</p> <p>Having reviewed the monitoring data of the monitoring stations in the vicinity of the construction site near IFC, namely noise monitoring stations M7e and M7w, no limit level exceedances were recorded on 24 Feb 2014 and 4 March 2014 and the major concrete breaking works at the concerned location conducted on 27 February 2014 was continued across the above monitoring period. In addition, no particular observations regarding noise impact were recorded during weekly site inspection conducted on 27 Feb 2014. No non-conformity was identified. As such, the construction activities under Contract HY/2009/18 were considered generally in compliance with the statutory requirement.</p> <p>Nevertheless, in view of the concern regarding noise nuisance raised by public, it is considered desirable for the Contractor to review and strengthen the noise mitigation measures around the concerned location.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 13 March 2014, additional noise mitigation measure including erection of noise blanket for concrete breaking works were implemented by the Contractor to further minimize the noise nuisance to nearby public</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
140623	11 June 2014	EPD Complaint Case (Ref:H04/RS/00 013590-14) received by ET on 23 June 2014	Foot Bridge to Central Pier 7	Excessive Paint Spray Odour	<p>A public complaint regarding odour concern referred by EPD was received by ET on 23 June 2014.</p> <p>The complainant reported that excessive paint spray odour was detected at the foot-bridge to the Central Pier 7.</p> <p>ET confirmed with the Resident Site Staff that spraying of waterproofing membrane (integritank) from Ch1700 to Ch1705 was conducted at roof slab Bay12 on 11 June 2014 and</p> <p>Screeding concrete placing from Ch1700 to Ch1683 was conducted at roof slab Bay12 on 11 June 2014 and</p> <p>Backfilling and removal of concrete blocks was conducted at roof slab Bay 11 and Bay 10-north on 11 June 2014</p> <p>According to relevant site records, major construction activities conducted around the concerned location on 11 June 2014 include spraying of waterproofing membrane (integritank) from Ch1700 to Ch1705; screeding concrete placing from Ch1700 to Ch1683 and backfilling and removal of concrete blocks. Having reviewed the relevant information verified by RSS, the chemicals applied at the concerned area on 11 June 2014 are waterproof paint and paint adhesives.</p> <p>In view of the concern regarding odour nuisance raised by the public, it is considered desirable for the Contractor to review the application method for waterproof layer nearby public area to minimize the nuisance caused to the surroundings.</p>	<p>Preliminary report issued on 25 June 2014.</p> <p>Interim report submitted to EPD on 30 June 2014.</p>





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					Follow-up inspection was conducted during weekly environmental inspection on 26 June 2014, no further spraying works was conducted by the Contractor at the concerned area and no particular odour was observed at the concerned location.	
20140723	21 July 2014	ICC complaint (ICC Case Ref.: 2-341537112) received by ET on 23 July 2014	Area opposite to Ngan Tao Building	Noise nuisance due to works and machine at opposite project site during nighttime	<p>A public complaint regarding construction noise impact referred by RSS was received by ET on 25 July 2014 (ICC Case Ref.: 2-341537112 dated 21 July 2014). The complainant reported that :</p> <p>At 00:57hrs on 21 July 2014, he could not sleep due to work and machine at the project site opposite to the building (Ngan Tao Building), where he was living, were still going on and in operation. Noise traveled to his flat despite it was some distance away.</p> <p>ET confirmed with the Resident Site Staff that dewatering works was conducted under HY/2009/19 at the works area at Watson Road from around 23:00hrs on 20 July 2014 to 01:00hrs on 21 July 2014. Total 1 no. of generator and 23 nos. of dewatering pumps were in operation. Mobilization of telescopic arm excavator to trailer truck was performed under HY/2009/19 at the works area at Watson Road from around 00:15hrs to 01:00hrs on 21 July 2014. Total 1 no. of telescopic arm excavator and 1 no. of trailer truck were in operation.</p> <p>According to the relevant site records under Contract HY/2009/19, from around 23:00hrs on 20 July 2014 to 01:00hrs on 21 July 2014, dewatering works was conducted under HY/2009/19 at the works area at Watson Road. Total 1 no. of generator and 23 nos. of dewatering pump were in</p>	<p>Final Investigation report (Issue1) issued on 31 July 2014.</p> <p>Final investigation report (Issue 2) based on further follow-up issued on 12 Aug 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>operation at the above period.</p> <p>In addition, mobilization of telescopic arm excavator to trailer truck was performed under HY/2009/19 at the works area at Watson Road from around 00:15hrs to 01:00hrs on 21 July 2014. Total 1 no. of telescopic arm excavator and 1 no. of trailer truck were in operation.</p> <p>After reviewing relevant records and information verified by RSS and the Construction Noise Permit (CNP) no. GW-RS0152-14, it was considered that the below condition of CNP no.GW-RS0152-14 was not fulfilled by the Contractor of HY/2009/19.</p> <p>From 00:15hrs to 01:00hrs on 21 July 2014, the PME(s) (1 no. of telescopic arm excavator and 1 no. of trailer truck) operated under the Contractor of HY/2009/19 on-site could not follow any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in no.GW-RS0152-14.</p> <p>Notwithstanding the above, according to the information provided by the RSS, the telescopic arm excavator was mobilized at night time hours with consideration that passage of vehicle with large plant &amp; machinery through cross harbour tunnel shall be conducted after mid-night.</p> <p>the Contractor of HY/2009/19 was advised to review the need to renew relevant CNP for PME grouping with respect to specific site operation requirements such that the Construction Noise Permit would be followed. Furthermore, the Contractor of HY/2009/19 was suggested to review the arrangement for PME mobilization with maintenance need to be conducted within specific period allowed under the relevant CNP(s).</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20140801	30 July 2014	ICC complaint (ICC Case Ref.: 2-360638977) received by ET on 01 August 2014	Area opposite to Harbour Heights	Noise of sand and gravel movements at area opposite to the Harbour Heights	<p>A public complaint regarding construction noise impact referred by RSS was received by ET on 01 Aug 2014 (ICC Case Ref.: 2-360638977 dated 31 July 2014). The complainant reported that at 01:20hrs on 30 July 2014, the complainant was woken up by the noise of sand and gravel movements at area opposite to the Harbour Heights.</p> <p>ET confirmed with the Resident Site Staff that EVB excavation was undertaken at the works area around Watson Road under HY/2009/19 before 23:00hrs on 29 July 2014. (Total 1 no. of excavator, 1 no. of dump truck, 23 nos. of underground dewatering pump and 3 nos. of generator were in operation).</p> <p>Dewatering works was undertaken at works area around Watson Road under HY/2009/19 from 23:00hrs on 29 July 2104 to 01:00 hrs on 30 July 2014. (Total 23 nos. of underground dewatering pumps and 1 no. of generator were in operation).</p> <p>Mobilization of PME was performed at works area around Watson Road under HY/2009/19 from 00:45hrs to 01:30hrs on 30 July 2014. (1 no. of excavation machine and 1 no. of dump truck were in operation). No other construction activity or operation was performed at the area opposite to Harbour Heights from 23:00hrs on 29 July 2014 to 01:00hrs on 30 July 2014 under HY/2009/19.</p> <p>According to the relevant site records, before 2300hrs on 29 July 2014, EVB excavation at the works area around Watson Road was conducted under HY/2009/19. (Total 1 no. of dump truck , 1 no. of excavator, 3 nos. of generators and 23 nos. of dewatering pumps were in operation at the</p>	Final investigation report issued on 12 Aug 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>above period).</p> <p>From around 23:00hrs on 29 July 2014 to 01:00hrs on 30 July 2014, dewatering works at works area around Watson Road was conducted under HY/2009/19. Total 23 nos. of dewatering pumps were operating at the above period.</p> <p>In addition, mobilization of PME(s) was performed at works area around Watson Road under HY/2009/19 from 00:45hrs to 01:30hrs on 30 July 2014. Total 1 no. of excavation machine and 1 no. of dump truck were in operation. After reviewing relevant records and information verified by RSS and the Construction Noise Permit (CNP) no. GW-RS0152-14, it was considered the below condition of CNP GW-RS0152-14 was not fulfilled by the Contractor of HY/2009/19. From around 00:45hrs to 01:30hrs on 30 July 2014, the operation of PME(s) (1 no. of excavator and 1 no. of dump truck) under the Contractor of HY/2009/19 on-site could not follow any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in no. GW-RS0152-14.</p> <p>Notwithstanding the above, according to the information provided by the RSS, the excavator and dump truck were mobilized away from the edge of the temporary ELS structure towards the area opposite to the Harbour Heights after 23:00hrs under safety consideration.</p> <p>The Contractor of HY/2009/19 was advised to review the arrangement and location for retaining and securing PME(s)/ plants to minimize the movements of PME or plants after completion of works such that the Construction Noise Permit would be followed.</p>	



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20140929	26 Sep 2014	ICC complaint (ICC Case Ref.: 2-466911619) received by ET on 29 September 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	<p>A public complaint regarding visual impact referred by RSS was received by ET on 29 September 2014 (ICC Case Ref.: 2-466911619 dated 26 September 2014)</p> <p>The complainant reported that on 26 September 2014 at around 00:50hrs, light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance.</p> <p>ET confirmed with the Resident Site Staff that the light emission on 25 and 26 September 2014 at the concerned area was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014.</p> <p>According to the relevant information provided by RSS, the light emission on 25 and 26 September 2014 at the concerned location was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor Eastbound.</p> <p>The lighting was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after traffic diversion on 28 September 2014. Nevertheless, in view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.</p>	Final Investigation report submitted on 9 October 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Follow-up inspection was conducted during weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented by the Contractor of HY/2009/19, the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p> <p>The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable.</p> <p>Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings and the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141006	25,26 Sep 2014	ICC complaint (ICC Case Ref.: 2-469099657) received by ET on 06 October 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	<p>A public complaint regarding visual impact referred by RSS was received by ET on 6 October 2014 (ICC Case Ref.: 2-469099657 dated 26 September 2014). The complainant reported that on 25 September 2014 night and on 26 September 2014 at around 23:23 hrs, light originating from the flyover under Central-Wan Chai Bypass Project was emitted towards City Garden direction and caused light nuisance.</p> <p>ET confirmed with the Resident Site Staff that the light emission on 25 and 26 September 2014 at the concerned area was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014.</p> <p>According to the relevant information provided by RSS, the light emission on 25 and 26 September 2014 at the concerned location was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor Eastbound.</p> <p>The lighting was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after traffic diversion on 28 September 2014. Nevertheless, in view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.</p>	Final Investigation report submitted on 9 October 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Follow-up inspection was conducted during weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented by the Contractor of HY/2009/19, the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p> <p>The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable.</p> <p>Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings and the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141010	07 Oct 2014	ICC complaint (ICC Case Ref.: 2-487376144) received by ET on 10 October 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	<p>ET confirmed with the Resident Site Staff that temporary lighting was provided at the concerned area at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014.</p> <p>Temporary lighting was provided at the concerned area at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014. In view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.</p> <p>During weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented, on 13 October 2014 the Contractor of HY/2009/19 have replaced the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	Final investigation report submitted on 14 Oct 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable.</p> <p>Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure and on 13 October 2014 the Contractor of HY/2009/19 have replaced the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	
141016	14 Oct 2014	EPD complaint EPD Ref.:H05/RS/00 025795-14) received by ET on 16 October 2014	work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	Construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 16 October 2014 (EPD Ref.: EP860/E2/24 Annex IV dated 16 October 2014).</p> <p>The complainant reported that construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.</p> <p>ET confirmed with the Resident Site Staff that From 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area.</p> <p>Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p>	<p>Updated interim investigation with supplementary information submitted to EPD on 17 November 2014.</p> <p>EPD advised no further comment on the updated interim report and case closed on 27 Nov 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area.</p> <p>Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p> <p>From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway.</p> <p>Total one scissor platform and two hand held drills (battery) were in operation.</p> <p>From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation.</p> <p>According to the relevant site records under Contract HK/2009/02, from 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p> <p>From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. Total one scissor platform and two hand held drills (battery) were in operation.</p> <p>From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation.</p> <p>In view of the above findings, no direct information associated with the noise concern was considered available.</p>	
20141108	07 Nov 2014	EPD complaint (EPD Ref.: H05/RS/00027 815-14) received by ET on 10 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool.	<p>A public complaint regarding odour concern referred by EPD was received by ET on 07 November 2014 (EPD Ref.: H05/RS/00027815-14 dated 10 November 2014).</p> <p>The complainant reported that Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool.</p> <p>ET confirmed with the Resident Site Staff that ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool).</p> <p>Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated.</p> <p>Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier.</p> <p>Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.</p>	<p>Interim investigation report submitted to EPD on 17 November 2014.</p> <p>EPD advised no comment on the interim report and case closed on 1 Dec 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Dredging works was conducted on 7 November 2014 during daytime at WCR3 (East of old Wan Chai Ferry Pier)</p> <p>Total 1 no. of dredger, 1 no. of hopper and 1 no. of tug boat were operated.</p> <p>According to the relevant site records under Contract HK/2009/02, ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool). Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated. Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on-site. The condition of chemical waste storage was considered satisfactory and no malodour was identified. Despite no information related to malodour was identified, the Contractor was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.</p> <p>Based on the relevant information provided by RSS, despite no information associated with the malodour concern was identified after investigation, the Contractor was reminded to conduct regular checking on the condition of PME used on site to ensure only well maintained PME are used on site</p> <p>The interim report would be submitted to EPD on 17 November 2014.</p>	



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20141113	12 Nov 2014	EPD complaint (EPD Ref.: H05/RS/00028 253-14) received by ET on 13 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians.	<p>A public complaint regarding odour concern referred by EPD was received by ET on 13 November 2014 (EPD Ref.: H05/RS/00028253-14 dated 13 November 2014). The complainant reported that Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians. (Contract HK/2009/02)</p> <p>ET confirmed with the Resident Site Staff that demolition works was conducted under Contract HK/2009/02 on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated.</p> <p>According to the relevant site records under Contract HK/2009/02, demolition works was conducted on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated.</p> <p>In addition, investigation found that due to malfunctioning of one of the excavators deployed at old Wan Chai Ferry Pier, dark smoke was emitted from the defective excavator for a short period of approximately 30 seconds at around 15:00 hrs on 12 November 2014. The operation of excavator was immediately suspended and followed by repair works. The normal operation of the excavator was resumed after repair.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on-site and the Contractor of HK/2009/02 was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.</p>	<p>Interim investigation report submitted to EPD on 19 November 2014.</p> <p>EPD advised no comment on the interim report and case closed on 8 Dec 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20150127	21 Jan 2015	EPD complaint (EPD Ref.: H05/RS/00001 725-15) received by ET on 27 January 2015 and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015	A portion of Hung Hing Road immediately to the east of Marsh Road near SPCA	Construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public.	<p>A public complaint regarding air quality impact referred by EPD was received by ET on 27 January 2015 (EPD Case Ref.: H05/RS/00001725-15 dated 27 January 2015) and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015. The complainant reported that construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public.</p> <p>ET confirmed with the Resident Site Staff that the major construction activities around the concerned location conducted on 21 January 2015 include breaking of seawall blocks and D-wall at TPCWAW; concreting, grouting and drilling works at TPCWAW;reclamation/ backfilling works at TPCWAW</p> <p>Mitigation measures implemented by the Contractor for the above construction works include spraying haul road with water; covering bagged cement with tarpaulin; providing three sided and top covering for grouting stations; providing water spraying to dusty activities such as breaking works</p> <p>According to the relevant site records, breaking of seawall blocks and D-wall, concreting, grouting and drilling works and reclamation/ backfilling works were conducted at TPCWAW. Dust mitigation measures including spraying haul road with water, covering bagged cement with tarpaulin, providing three sided and top covering for grouting stations and water spraying to dusty activities such as breaking works were implemented by the Contractor of HY/2009/15 near the concerned location on 21 January 2015.</p>	Interim report submitted to EPD on 9 February 2015, EPD advised no comment on 27 February 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Follow-up investigation was conducted on 27 January 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works; and provision of three sides and top covering for grouting station were confirmed in place.</p> <p>In addition, based on the review of the monitoring data of the monitoring station located at the concerned location raised by the complainant, namely monitoring station CMA3a, no action or limit level exceedance was recorded during air quality monitoring conducted on 20 and 21 January 2015. Nevertheless, the Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on the complaint date was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants.</p> <p>As such, the site condition under Contract HY/2009/15 at the concerned location was considered to be generally satisfactory and no non-conformity related to cumulative air quality impact was observed. Nevertheless, in view of the public concern, the contractor was reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public.</p> <p>ET confirmed with the Resident Site Staff that the major construction activities under Contract HK/2009/02 around the concerned location conducted on 21 January 2015 include trenching grabbing for D-wall construction at temporary road eastward, shear pin installation at temporary road westward and ground Investigation drilling at temporary road westward</p>	





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					<p>Mitigation measures implemented by the Contractor of HK/2009/02 for the above construction works include regular water spraying at haul road, vehicle wheel-washing at the ingress/egress (Gate No. 4) to the temporary road, hard paving at the works area at temporary road northward and frequent water spraying at the ingress/egress (Gate No. 4) to the temporary road.</p> <p>According to the relevant site records, trenching grabbing for D-wall construction, shear pin installation and ground investigation drilling works were conducted at the concerned location. Dust mitigation measures including water spraying for haul road, vehicle wheel washing and hard paving for a section of works area nearby public road were implemented by the Contractor of HK/2009/02 near the concerned location on 21 January 2015.</p> <p>Follow-up investigation was conducted on 5 February 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works and provision of wheel washing combine with cleaning of public road were confirmed in place and no dust related impact from the construction works was observed. The Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on 21 January 2015 was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants. Based on reviewing relevant impact monitoring data, elevated TSP were recorded at monitoring stations across Wan Chai West area to North Point area and a non-Project related exceedance was recorded at nearby monitoring station CMA4a (at SPCA) on 21 January 2015 due to ambient air pollutant.</p>	



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					<p>In addition, it was noted that a section of the works area at the concerned location was not provided with site hoarding. Based on further review on relevant records it was noted that the works area at concerned section was either hard paved or have to maintain adequate line of sight due to traffic safety consideration. The Contractor of HK/2009/02 was advised to inform EPD with respect to the site constraint and provide relevant updated meeting records on the arrangement for review.</p> <p>In view of the public concern, the contractor has committed to conduct additional cleaning of the concerned public road section once a week to minimize potential nuisance caused to nearby road users. The contractor was also reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public.</p>	
20150409	07 April 2015 09 April 2015	EPD complaint (Ref.:H05/RS/00008074-15 dated 9 April 2015) received by ET on 09 April 2015	Construction site exit near Expo Drive Central; Construction site gate V2 & gate V8	Construction dust was generated from lorries transporting out of the construction via site exit without wheel washing	<p>A public complaint regarding construction dust impact referred by EPD was received by ET on 09 April 2015 (EPD Ref.:H05/RS/00008074-15 dated 9 April 2015). The complainant reported that: Construction dust was generated from lorries transporting out of the construction via site exit near Expo Drive Central without wheel washing at the morning of 7 April 2015. Lorries were also found transporting out of the construction site via gates V2 and V8 without wheel washing and causing dust nuisance at about 10:30 hours on 9 April 2015.</p> <p>ET confirmed with the Resident Site Staff that on 7 April 2015, major vehicle movements included oil tanker passing at Gate V2 at Expo Drive East and dump truck passing at Gate V8 at Expo Drive Central under Contract HK/2009/01.</p>	Interim report submitted to EPD on 17 April 2015, EPD advised no comment on 30 April 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>2. On 9 April 2015, major vehicle movements include oil tanker, crane lorry and dump truck passing at at Gate V2 at Expo Drive East and dump truck at Gate V8 at Expo Drive Central under Contract HK/2009/01.</p> <p>Mitigation measures adopted by the Contractor of HK/2009/01 at the above locations include water hose was provided for wheel washing at Gate V2 and Gate V8, concrete paving at site exit, dump truck fitted with mechanic cover and cleaned before leaving construction site, regular street washing at Expo Drive Central.</p> <p>According to the relevant site records under Contract HK/2009/01, on 7 April 2015, major vehicle movements included oil tanker passing at Gate V2 at Expo Drive East and dump truck passing at Gate V8 at Expo Drive Central under Contract HK/2009/01 while on 9 April 2015 major vehicle movements include oil tanker, crane lorry and dump truck passing at at Gate V2 at Expo Drive East and dump truck at Gate V8 at Expo Drive Central under Contract HK/2009/01.</p> <p>At the above locations, mitigation measures including water hose for wheel washing at Gate V2 and Gate V8; concrete paving at site exit; dump truck fitted with mechanic cover and cleaned before leaving construction site and regular street washing at Expo Drive Central were generally adopted by the Contractor of HK/2009/01.</p> <p>In view of the public concern on the complaint date, the Contractor of HK/2009/01 was advised to conduct cleaning at the concerned site exit point and the section of public road adjoining the site exit to clear any residue grit and silt desposit to avoid further dust impact.</p>	



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					<p>Follow up inspection was conducted on 16 April 2015 during weekly environmental inspection and mitigation measures including water spraying for dusty haul road and provision of wheel washing were in place. The construction site exit was observed clear from residue silt / grit at the concerned location.</p> <p>In view of the public concern, the contractor was advised to conduct training to the construction site workers to enhance the effectiveness of wheel washing and to ensure proper wheel washing is provided for dump truck and other vehicle prior to leaving the construction site to avoid generating any dust nuisance.</p>	
20150409A	03 April 2015 to 07 April 2015	EPD complaint (Ref.:H05/RS/00007861-15 dated 9 April 2015) received by ET on 09 April 2015	Construction site at Convention Avenue near Renaissance Harbour View Hotel	Construction noise was emanated from the construction site at Convention Avenue near Renaissance Harbour View Hotel during the period of Easter Holiday	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 09 April 2015 (EPD Ref.:H05/RS/00007861-15 dated 9 April 2015). The complainant reported that construction noise was emanated from the construction site at Convention Avenue near Renaissance Harbour View Hotel during the period of Easter Holiday, including April 3 at about 13:00 hours.</p> <p>ET confirmed with the Resident Site Staff that from 3 April 2015 to 7 April 2015, from 08:00 hours to 18:00 hours, and at about 13:00 hours on 3 April 2015 at area CWB Tunnel Stage 3, backfilling works was conducted under HK/2009/01. Either 1 no. of dump truck and 1. no. of excavator was operated on site at each given time during the concerned period.</p> <p>According to the relevant site records under Contract HK/2009/01, from across 08:00hrs to 18:00hrs during the period from 3 April 2015 to 7 April 2015, backfilling works was conducted under Contract HK/2009/01 at CWB Tunnel Stage 3. Either 1 no. of dump truck and 1 no. of excavator was operated on site at each given time during the</p>	Interim report submitted to EPD on 17 April 2015, EPD advised no comment on 30 April 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>concerned period and the relevant Construction Noise Permit GW-RS0104-15 for the works was in place and the same construction activity was undertaken at around 13:00hrs on 3 April 2015. No other concurrent construction activity was undertaken at the concerned location during the concerned period under Contract HK/2009/01. The construction activity conducted under Contract HK/2009/01 during the concerned period was in compliance with the statutory requirement.</p> <p>Nevertheless, in view of the concern regarding the noise nuisance raised by the public at the concerned location, it is considered desirable for the Contractor of HK/2009/01 to review the truck unloading procedures of the specific construction task to minimize potential noise emanated during the course for work.</p>	
20150415	13 April 2015	ICC complaint case (ICC Case Ref.: 2-885677297 dated 13 April 2015) received by ET on 15 April 2015	Construction Site at Causeway Bay Typhoon Bay Shelter	Unnecssary light nuisance from the construction site	<p>A public complaint regarding visual impact received by the RSS was referred to the ET on 15 April 2015 (ICC Case Ref.: 2-885677297 dated 13 April 2015). The complainant reported that "I live in a building next to Gloucester Road in Causeway Bay. Recently, I am suffering from unnecessary light source from the construction site. The banners of the construction companies are always illuminated with very bright lights."</p> <p>ET confirmed with the Resident Site Staff that the concerned lighting for the banners was maintained under Contract HY/2010/08.</p> <p>The concerned lighting for the banners was maintained under Contract HY/2010/08 and the concerned lighting was subsequently switched off at all times since 13 April 2015 to alleviate the lighting nuisance caused to the surroundings.</p>	Final Investigation report issued on 20 April 2015 and case closed



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20150423	21 April 2015	EPD complaint case ( EPD Case Ref: :H05/RS/00009456-15 dated 23 April 2015) received by ET on 23 April 2015	Road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel	Construction noise emanated from the road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel causing nuisance	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 23 April 2015 (EPD Ref.:H05/RS/00009456-15 dated 23 April 2015). The complainant reported that construction noise emanated from the road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel almost every night recently causing nuisance.</p> <p>ET confirmed with the Resident Site Staff that from 21:00hrs on 20 April 2015 to 06:00hrs on 21 April 2015 and from 21:00hrs on 21 April 2015 to 06:00hrs on 22 April 2015, cooling main connection works was undertaken by the Contractor of Contract HK/2009/01 at the concerned location. Total 1 no. of crane lorry and 1 no. of excavator were in operation.</p> <p>According to the relevant site records under Contract HK/2009/01, from 21:00hrs on 20 April 2015 to 06:00hrs on 21 April 2015 and from 21:00hrs on 21 April 2015 to 06:00hrs on 22 April 2015, cooling main connection works was undertaken by the Contractor of Contract HK/2009/01 at the concerned location. Total 1 no. of crane lorry and 1 no. of excavator were in operation during the concerned period and the relevant Construction Noise Permit GW-RS0269-15 was confirmed in place. The construction activity conducted under Contract HK/2009/01 during the concerned period was in compliance with the statutory requirement. In view of the potential noise nuisance, a notice to affected parties was issued by the Contractor of Contract HK/2009/01 to the nearby residents including Renaissance Harbour View Hotel on 17 April 2015. Besides, construction works undertaken by other parties at the concerned location was observed at the concerned period.</p>	Final Investigation report issued on 18 May 2015 and case closed



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20150601	29 May 2015	EPD complaint case (EPD Case Ref: :H05/RS/00013254-15 dated 1 June 2015) received by ET on 23 April 2015	Construction site gates V2 and V3 near Expo Drive Central	Vehicle with plate no. TG2426 was found leaving the construction site at gate V2 near Expo Drive Central without wheel-washed	<p>A public complaint regarding construction dust impact referred by EPD was received by ET on 01 June 2015 (EPD Ref.:H05/RS/00013254-15 dated 1 June 2015). The complainant reported that vehicle with plate no. TG2426 was found leaving the construction site at gate V2 near Expo Drive Central without wheel-washed at about 10:33hrs on 29 May 2015. The complainant also alleged that water spraying at the gates V2 and V3 near Expo Drive Central was insufficient causing dust nuisance to the public.</p> <p>ET confirmed with the Resident Site Staff that on 29 May 2015, vehicle record indicated that concerned vehicle TG 2426 has entered and exited the construction site via gate V3.</p> <p>Mitigation measures adopted by the Contractor of HK/2009/01 at the above locations include, water hose was provided for wheel washing at Gate V2 and Gate V3.</p> <p>According to the relevant site records under Contract HK/2009/01, vehicle record indicated that concerned vehicle TG 2426 has entered and exited the construction site via gate V3 on 29 May 2015 under Contract HK/2009/01. As confirmed by WDII RSS, the concerned construction site Gate V2 and Gate V3 have been closed from 31 May 2015 and formed part of the construction site area.</p> <p>Follow up inspection was conducted on 3 June 2015 during weekly environmental inspection and mitigation measures including wheel washing were implemented at construction exit gates around the concerned location despite a vehicle was observed leaving the construction site via Gate V8 without wheel washing. The Contractor was immediately advised to review and strengthen the control measures for vehicle exits to ensure wheel washing are provided for exiting vehicles.</p>	Interim report submitted to EPD on 08 June 2015, EPD advised no comment on 22 June 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					In view of the public concern and the site observation, the Contractor of HK/2009/01 has implemented enhanced site exit control measures using red string to alert drivers to stop their vehicles for cleaning before leaving the construction site and wheel washing facilities including water hose were implemented at Gate V1 and Gate V10 around the concerned location and the vehicle gate V8 was subsequently closed. In addition, removal of spoil arising from wheel washing around site exit location would be conducted by the Contractor of HK/2009/01 as appropriate to alleviate for potential dust impact at construction site exits.	
20150608	04 June 2015	EPD Ref.:H05/RS/0013843-15 dated 8 June 2015	A portion of construction site of Contract HK/2012/08 outside Fleet Arcade	Construction noise was generated from the construction site of Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays.	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 8 June 2015 (EPD Ref.:H05/RS/0013843-15 dated 8 June 2015). The complainant reported that construction noise was generated from the construction site of Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays.</p> <p>ET confirmed with the Resident Site Staff that from 08:00hrs to 18:00hrs on 31 May 2015 (Sunday), construction work including steel welding was conducted under Contract HK/2012/08 at site portion zone A1 opposite to Fleet Arcade. Total one welding machine was in operation.</p> <p>According to the relevant site records under Contract HK/2012/08, from 08:00hrs to 18:00hrs on 31 May 2015 (Sunday), construction work including steel welding was conducted under Contract HK/2012/08 site portion zone A1 opposite to Fleet Arcade. Total one welding machine was in operation and the relevant Construction Noise Permit GW-RS0296-15 was confirmed in place. The construction activity conducted under Contract</p>	Interim report submitted to EPD on 16 June 2015 and EPD advised no comment on 20 July 2015 on the interim report submitted and case closed.





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>HK/2012/08 during the concerned period was in compliance with the statutory requirement. Ad-hoc inspection was conducted during weekly environmental inspection on 9 June 2015 and it was noted that Construction Noise Permits under Contract HK/2012/08 were posted at site entrance locations for public inspection.</p> <p>In view of the potential noise nuisance, the Contractor was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance. Besides, other construction sites at the concerned location were observed.</p> <p>Furthermore, a meeting was held on 15 June 2015 between the EPD, Contractor of HK/2012/08, WDII RSS team and the Environmental Team on the public concern and the Contractor of HK/2012/08 has committed to review the re-application for the Construction Noise Permits GW-RS0223-15 and GW-RS0296-15 on usage of PMEs at a portion of site area outside the Fleet Arcade during public holiday including Sundays to minimize for the potential noise nuisance to nearby public.</p>	
150622	18 June 2015	EPD Ref.:H05/RS/0015054-15 dated 22 June 2015	A mooring location near shore and at location outside Wan Chai Sports Ground	Dark smoke and malodour emission was observed from a hopper barge moored near shore and other construction plants under operation from the reclamation construction site	A public complaint regarding dark smoke and malodour concern referred by EPD was received by ET on 22 June 2015 (EPD Ref.: H05/RS/00015054-15 dated 22 June 2015). The complainant reported that dark smoke and malodour emission was observed from a hopper barge moored near shore and other construction plants under operation from the reclamation construction site with Contract no. HK/2009/02 at location outside Wan Chai Sports Ground caused air pollution. The complainant alleged that the said situation had been observed for a prolonged period.	Interim report submitted to EPD on 29 June 2015 and EPD advised no comment on 20 July 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>ET confirmed with the Resident Site Staff that reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 from 15 June 2015 to 19 June 2015. Total 3 nos. of mobile crane were in operation. On 17 June 2015, one no. of concrete pump truck and two nos. of concrete mixer were in operation. Excavation and Lateral Support was conducted at Portions 3 &amp; 4 from 15 June 2015 to 19 June 2015. Total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. In addition, on 15 June 2015, 17 June 2015 and 19 June 2015, 1 no. of derrick barge was moored near Portions 3 &amp; 4 for transportation of the excavated material away from site.</p> <p>According to the relevant site records under Contract HK/2009/02, from 15 June 2015 to 19 June 2015, reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 and total 3 nos. of mobile crane, one no. of concrete pump truck (on 17 June 2015 only) and two nos. of concrete mixer (on 17 June 2015 only) were in operation; excavation and lateral support was conducted at Portions 3 &amp; 4 and total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. Based on relevant site record, no hopper barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 near Portions 3 &amp; 4 for transportation of the excavated material from Portions 3 &amp; 4 away from site on 15 June 2015, 17 June 2015 and 19 June 2015 respectively.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 25 June 2015, no dark smoke and malodour emission was observed from the PMEs operating on-site. A derrick barge was</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					observed moored near Portions 3 & 4 and excavated material was transferred to the derrick barge by the excavators on land without barge operation and no particular dark smoke and malodour emission was observed. Nevertheless, the Contractor was reminded to conduct regular checking on the condition of the derrick barge and other PMEs deployed on site to ensure only well maintained PMEs are used to avoid potential dark smoke and maldour emission affecting nearby public.	
150714	11 July 2015	ICC Complaint (Ref:#2-1149562777) referred by RSS was received by ET on 14 July 2015	A portion of site area adjacent to Hing Fat Street Site entrance	Direct discharge of muddy effluent into marine waters	<p>A public complaint regarding direct discharge of muddy effluent referred by RSS was received by ET on 14 July 2015 (ICC Ref.: #2-1149562777). The complainant reported that:</p> <p>Muddy effluent was directly discharged into nearby marine waters by Chun Wo worker. Further information was received by ET from RSS on 23 July 2015 and the complaint date was clarified to be 11 July 2015 and the concerned vehicle registration number shall be JV 7319.</p> <p>ET confirmed with the Resident Site Staff that no construction works was undertaken by the Contractors HY/2009/19 and adjacent Central WanChai Bypass Project construction site at the concerned location on 11 July 2015.</p> <p>No construction works was undertaken by the Contractor of HY/2009/19 and adjacent Central WanChai Bypass Project construction site at the concerned location on 11 July 2015 and the concerned vehicle (License Plate JV 7319 labelled as Chun Wo) was confirmed not belonging to the Contractor of HY/2009/19.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 14 July 2015, no direct discharge connection was further observed on site.</p>	Updated Final investigation report submitted on 27 July 2015.



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					<p>No construction works was undertaken by Central WanChai Bypass Project at the concerned location and no sump pit or works area under Central WanChai Bypass Project associated with potential muddy effluent discharge was identified. In addition, a construction area with excavated pit under WSD Contract 12/WSD/10 was noted at the concerned location behind the alleged vehicle responsible for direct discharge of muddy effluent.</p> <p>Based on the further review on the information received on 23 July 2015, the alleged direct discharge was observed originating from the works area under WSD Contract 12/WSD/10 and not related to the Central Wan Chai Bypass Project construction works.</p>	
150723	20 July 2015	EPD Ref.:H05/RS/0018040-15 dated 23 July 2015	Ex-Wanchai Ferry Pier near 720 & 722 Bus stop	Malodour from marine sediment	<p>A public complaint regarding malodour referred by EPD was received by ET on 23 July 2015 (EPD Ref.: H05/RS/00018040-15 dated 23 July 2015).</p> <p>The complainant reported that malodour from marine sediment was scented at ex-Wanchai ferry pier near route 720 &amp; 722 bus stop. (Contract HK/2009/02).</p> <p>ET confirmed with the Resident Site Staff that Rockfill placing works was conducted by one derrick barge at the concerned location (WCR3) under Contract HK/2009/02 on 20 July 2015. No marine sediment was stored or placed on site at the concerned location under Contract HK/2009/02 on 20 July 2015.</p> <p>According to the relevant site records under Contract HK/2009/02, rockfill placing works was conducted by one derrick barge at WCR3 area on 20 July 2015 and no marine sediment was stored or placed on site at the concerned location on the concerned date.</p>	Interim report submitted to EPD on 30 July 2015. EPD advised no comment on 17 August 2015 on the interim report submitted and case closed.



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					<p>Follow-up inspection was conducted during weekly environmental inspection on 29 July 2015. No marine sediment was observed stored or placed at the concerned location while it was noted that a culvert outfall with potential odour concern is located adjacent to the concerned location.</p> <p>Nevertheless, the Contractor was reminded to review the handling procedures in case of any future marine sediment handling at the concerned location and to consider the implementation of mitigation measures as appropriate to minimize potential malodour impact to nearby public.</p>	
150904	01 Sept 2015	EPD Ref.: H05/RS/0002 2241-15 dated 04 September 2015 received by ET on 4 September 2015	East of New WanChai Ferry Pier	Dropping of excavated material from land to sea during loading of material	<p>A public complaint regarding dropping of excavated material from land to sea referred by EPD was received by ET on 04 September 2015 (EPD Ref.: H05/RS/00022241-15 dated 04 September 2015). The complainant reported that dropping of excavated materials from land to sea during loading of materials by excavator at the construction site to work boat. (Contract HK/2009/02)</p> <p>ET confirmed with the Resident Site Staff that transferring of C&amp;D materials from land to hopper barge by excavator at seaside along CWB Tunnel Portions 3 and 4 was undertaken by Contract HK/2009/02 on 01 September 2015.</p> <p>Mitigation measure including providing tarpaulin sheet to cover the gap between seawall and the hopper barge to prevent dropping of material to the sea was implemented by the Contractor.</p> <p>According to the relevant site records under Contract HK/2009/02, transferring of C&amp;D materials from land to hopper barge by excavator at seaside along CWB Tunnel Portions 3 and 4 was carried out on 01 September 2015 and mitigation measures including provision of tarpaulin sheet between</p>	Interim report submitted to EPD on 14 September 2015. EPD advised no comment on 5 October 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>seawall and the hopper barge was implemented by the Contractor of HK/2009/02 on the concerned date. Follow-up inspection was conducted during weekly environmental inspection on 10 September 2015. Transferring of C&amp;D materials from land to barge by excavator was observed at the concerned location and mitigation measures including provision of tarpaulin sheet between seawall and hopper barge and the material transfer works was generally in order. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain the handling procedure for C&amp;D materials transfer from land to hopper barge and regularly inspect the condition of the tarpaulin sheet provided to ensure the nearby water quality are not affected by the loading and unloading of material from land side to hopper barge.</p> <p>The Contractor was reminded to maintain the handling procedure for C&amp;D materials transfer from land to hopper barge and regularly inspect the condition of the tarpaulin sheet provided to ensure the nearby water quality are not affected by the loading and unloading of material from land side to hopper barge.</p>	
150904	02 Sept 2015	EPD Ref.: H04/RS/0002 2385-15 dated 04 September 2015 received by ET on 04 September 2015	Location outside Fleet Arcade	Construction noise was generated from the construction site of HK/2012/08 at location outside Fleet Arcade during night time on weekdays and daytime during General Holidays. The complainant also concerned construction dust and exhaust emission from derrick barges during	A public complaint regarding construction noise and dust and exhaust emission referred by EPD was received by ET on 04 September 2015 (EPD Ref.: H04/RS/00022385-15 dated 04 September 2015). The complainant reported that construction noise was generated from the construction site of HK/2012/08 at location outside Fleet Arcade during night time on weekdays and daytime during General Holidays. The complainant also concerned construction dust and exhaust emission from derrick barges during transporting C&D material at the site. (Contract HK/2012/08)	Interim report submitted to EPD on 14 September 2015.  2 <sup>nd</sup> interim report submitted to EPD on 17 Dec 2015



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				transporting C&D material at the site.	<p>ET confirmed with the Resident Site Staff that from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold and timber and installation of bulkhead was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one generator and one circular saw were in operation.</p> <p>From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>From 1900hrs on 31 August 2015 to 0700hrs on 01 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>From 1900hrs to 2115 hrs on 01 September 2015, unloading of soil was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>Total one derrick barge was in operation.</p> <p>From 2300hrs on 01 September 2015 to 0700hrs on 02 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>One derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location.</p> <p>Based on the relevant site records, from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold</p>	3 <sup>rd</sup> interim report submitted to EPD on 31 Dec 2015



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					<p>and timber and installation of bulkhead was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one generator and one circular saw were in operation and the relevant Construction Noise Permit GW-RS0296-15 for the concerned operation was confirmed in place.</p> <p>From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location and from 1900hrs on 31 August 2015 to 0700hrs on 01 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>From 1900hrs to 2115 hrs on 01 September 2015, unloading of soil was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one derrick barge was in operation and the Construction Noise Permit GW-RS0296-15 for the concerned operation was confirmed in place.</p> <p>From 2300hrs on 01 September 2015 to 0700hrs on 02 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. In view of the above, the construction activities conducted under Contract HK/2012/08 during the concerned period was in compliance with the statutory requirement.</p>	





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					<p>In addition, one derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location. Follow-up inspection was conducted during weekly environmental inspection on 08 September 2015 and no dark smoke emission was observed from the derrick barge moored outside the concerned location. Nevertheless, the Contractor of HK/2012/08 was reminded to conduct regular checking on the condition of the all derrick barges deployed on site to ensure only well maintained equipment are used to avoid potential dark smoke emission affecting nearby public and the Contractor of HK/2012/08 was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance.</p> <p>The Contractor was reminded to conduct regular checking on the condition of derrick barges deployed on site to ensure only well maintained equipments are used on site to avoid potential dark smoke emission affecting nearby public.</p> <p>The Contractor of HK/2012/08 was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance.</p>	



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151117	Not specified	EPD complaint received by ET on 17 November 2015	Causeway Bay Typhoon Shelter	Improper handling or bentonite and marine sediment generated from construction works and contaminated discharge from water treatment plant into Victoria Harbour	<p>A public complaint regarding illegal disposal of construction waste referred by EPD was received by ET on 17 November 2015. The complainant reported that over 10,000 m3 of bentonite after usage for construction of diaphragm wall was disposed of at Victoria Harbour.</p> <p>The Contractor recently deployed mobile crane to transfer the bentonite from mud pit on to works barge. The bentonite was then mixed with soil and transported to the Public Fill. During the course, seepage of slurry through grab generated drop off to marine waters and the soil mixing generated dust impact to nearby yacht club, typhoon shelter and affect nearby public and boats.</p> <p>Disposal of dredged marine sediment was not carried out in accordance with the Management of Dredged/Excavated Sediment. Instead the marine sediment was covered by sand and soil and transported to the Public Fill.</p> <p>White or greyish effluent was discharged directly into Victoria Harbour marine waters from wastewater treatment plant on construction site.</p> <p>In response to the complaint concern, additional water quality monitoring from end November 2015 to mid January 2016 until the post-diaphragm wall construction activities and all bentonite silos and residue bentonite slurry at TS3 were completely removed had been undertaken by the Environmental Team and additional site inspections</p>	<p>Interim investigation report submitted to EPD on 24 November 2015.</p> <p>2<sup>nd</sup> interim investigation report submitted to EPD on 17 December 2015.</p> <p>3<sup>rd</sup> interim investigation report submitted to EPD on 31 December 2015.</p> <p>Final investigation report submitted on 5 February 2016.</p>



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					<p>have been conducted by the ET and the investigation findings were included in the interim investigation reports separately submitted to the EPD. In addition, the ET and IEC have conducted checking on the waste disposal records and site construction records with the CWB RSS team to confirm the key construction activities during the concerned period and the quantities of inert C&amp;D material disposed.</p> <p>Specific enhancement on site supervision was undertake by the CWB RSS team to ensure the properly handling of the remaining bentonite slurry in terms of the following:</p> <p>Depth of the bentonite slurry at the primary mixing pit (at south of TS3) was recorded by RSS team daily at regular intervals starting from 22nd December 2015 to record the changes in the level of slurry, particularly before end of works and at the start of works on the next day to confirm no significant change in bentonite slurry level during non-working hours until the complete removal of the mud pit.</p> <p>During the silo dismantling stage, the amount of residue bentonite cleared from the remaining silo were monitored on daily basis to record of the residue bentonite transferred for mixing and final disposal.</p>	



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					The Environmental Team will continue to keep in view on the contractor environmental mitigation measures during the routine inspections, with specific attention at TS3 area on the effectiveness of Contractor's remediation measures and check the implementation of site measures in accordance with the EIA and EM&A Manual recommendations.	
ICC complaint case (ICC Ref: 2-159316569 4) dated 26 November 2015	26 No 2015	ICC complaint received by ET on 27 November 2015	Construction area outside City Garden Block 11	Noise nuisance due to windblown slapping of a metal onto adjacent barrier at night time	<p>A public complaint regarding noise impact referred by RSS was received by ET on 27 November 2015 (ICC Case Ref.: 2-1593165694 dated 26 November 2015). The complainant reported that noise was emanated from the IECL construction site outside City Garden Block 11 due to the windblown slapping of a metal sheet onto adjacent barrier causing nuisance to nearby residents at night time.</p> <p>ET confirmed with the Resident Site Staff that the noise nuisance was caused by the windblown action of the corrugated metal sheet loosely affixed onto the temporary noise barrier panel above a concrete block footing fronting City Garden.</p> <p>The noise nuisance was caused by the windblown action of the corrugated metal sheet loosely affixed onto the temporary noise barrier panel above a concrete blocking footing fronting City Garden. The concerned corrugated metal sheet was removed by the Contractor of HY/2009/19 on 27 November 2015 to avoid further generation of noise nuisance.</p>	Final investigation report to be issued on 01 December 2015.



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					The Contractor was reminded to check and ensure metal sheetings and other material stored within the construction site are properly affixed to avoid potential noise nuisance due to windblown action.	
EPD complaint case (EPD Ref: H04/RS/00 028924-15 dated 04 December 2015	12 November 2015	EPD complaint received by ET on 04 December 2015	Two International Finance Centre at Finance Street, Central	Construction dust generated from construction site near Two International Finance Centre	<p>A public complaint regarding construction dust impact referred by EPD was received by ET on 04 December 2015 (EPD Ref: H04/RS/00028924-15). The complainant reported that excessive construction dust was generated from the construction site near Two International Finance Centre at Finance Street, Central</p> <p>ET confirmed with the Resident Site Staff that bridge works and drains/ sewers construction at the concerned location was undertaken by Contract HY/2009/18 on 12 November 2015. A stockpile which would be reused for backfilling was stored at the concerned location by Contract HY/2009/18 on 12 November 2015.</p> <p>Mitigation measures implemented by the Contractor for the above construction works including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.</p>	<p>1<sup>st</sup> interim report submitted to EPD on 14 December 2015</p> <p>2<sup>nd</sup> interim report submitted to EPD on 4 January 2016</p> <p>EPD advised no comment on 07 January 2015 on the report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to relevant site records confirmed by RSS, bridge works and drains/ sewers construction at the concerned location was undertaken by Contractor of HY/2009/18 on 12 November 2015 and a stockpile which would be reused for backfilling was stored at the concerned location. Mitigation measures including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.</p> <p>In view of the public concern on potential dust impact at the concerned location, the Contractor of HY/2009/18 rearranged the works sequence and placed concrete blocks at the bridge retaining wall to allow for early commencement of backfilling on 19 November 2015 to minimize the size of the stockpile at an earlier stage. Additional water sprinklers were installed on 27 November 2015 to further enhance the dampening of the stockpile surface during excavation.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 10 December 2015 and mitigation measures including covering of stockpile stored at the concerned location was implemented while it was observed that stockpiles stored near Man Chiu Street was not properly covered. The Contractor of HY/2009/18 was advised to promptly provide covering to all idled stockpile stored on site and the Contractor was reminded to enhance the</p>	



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					watering during excavated material handling near the concerned location. Further follow up inspection was conducted on 17 December 2015 and mitigation measures including covering and watering for idle stockpile and material handling were implemented.	
ICC complaint case (ICC Case Ref: 2-1656689815 dated 14 December 2015	14 December 2015	EPD complaint received by ET on 04 December 2015	Construction area outside City Garden Block 10 and Block 11	Incessant noise emanating from the construction site of the Island East Corridor link that forms part of the Central Wanchai Bypass Project	<p>A public complaint regarding noise impact referred by RSS was received by ET on 16 December 2015 (ICC Case Ref.: 2-1656689815 dated 14 December 2015). The complainant reported that:</p> <p>Incessant noise emanating from the construction site of the Island Eastern Corridor Link that forms part of the Central-Wanchai Bypass Project.</p> <p>Over the past couple of weeks, there have been loud mechanical pounding at the construction site over the reclaimed area between Blocks 10 and 11 of City Garden. As can be seen, machines have been breaking open the concrete paved on top of the reclaimed area. Work often starts well before 9am on weekdays and, barring a brief period of lull during lunch hours, would often continue unabated untill after 5pm. Although I note that certain noise reduction measures have been put into place (e.g. the erection of flimsy noise barriers around the work area), the noise created is still enormous, and this has become a significant nuisance for residents</p>	Final report was issued on 23 December 2015 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>living in nearby blocks of our estate, especially children and the elderly who have to stay at home for longer hours.</p> <p>ET confirmed with the Resident Site Staff that concreting breaking works was carried out with one breaker on 7, 9, 11, 12 and 14 December 2015 and the breaking works at the concerned location were completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works.</p> <p>According to information confirmed by RSS, concreting breaking works was carried out by one excavator mounted breaker on 7, 9, 11, 12 and 14 December 2015 and the concerned breaking works outside City Garden Block 10 and Block 11 was completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works. Based on the further review on the record of the environmental inspection conducted on 09 December 2015, the Contractor of HY/2009/19 was reminded to temporary noise barrier provided for the pile cap demolition shall follow the the Environmental Permit EP-364/2009/D requirement.</p>	





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow up inspection was conducted during weekly environmental inspection on 17 December 2015, the concerned breaking works opposite to City Garden Block 10 and Block 11 was observed completed while the Contractor was reminded that the remaining section of temporary noise barrier in accordance with the latest Environmental Permit EP-364/2009/D shall be completed on site as soon as possible. According to the information provided by RSS, the temporary noise barrier in accordance with the Environmental Permit requirement opposite to City Garden was substantially completed on 21 December 2015. In view of the public concern, the Contractor was suggested to consider to review the works duration at daytime and conduct other future breaking works around the concerned location intermittently to minimize the potential noise nuisance caused to the surroundings.	
EPD Ref.: H05/RS/00 000570-16 dated 14 January 2016	07 January 2016	EPD complaint received by ET on 14 January 2016	Lung King Street	Operation of powered mechanical equipment at the construction site near Lung King Street after 1900hrs.	<p>A public complaint regarding construction noise referred by EPD was received by ET on 14 January 2016 (EPD Ref.: H05/RS/00000570-16 dated 14 January 2016). The complainant reported that there was operation of powered mechanical equipment at the construction site near Lung King Street after 1900hrs. (Contract HK/2012/08)</p> <p>ET confirmed with the Resident Site Staff that from 1900hrs to 2115hrs on 06 January 2016, shifting of equipment and socket H-pile casing was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one crawler crane was in operation.</p>	Interim investigation report submitted to EPD on 22 January 2016. EPD advised on 17 February no comment on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to the relevant site records provided by RSS, shifting of equipment and socket H-pile casing was undertaken by the Contractor of HK/2012/08 at the concerned location from 1900hrs to 2115hrs on 06 January 2016. Total one crawler crane was in operation and the relevant Construction Noise Permit GW-RS0976-15 for the concerned operation was confirmed in place.</p> <p>Based on the above, the construction activities conducted under Contract HK/2012/08 on 06 January 2016 after 1900hrs was in compliance with the statutory requirement. Nevertheless, the Contractor was reminded to upkeep the site control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance in view of the nearby public concern.</p>	
ICC complaint case (ICC Ref.: #2-1754682833 and ICC Ref: #2-1759629742	19 January 2016	EPD complaint received by ET on 19 January 2016	Hung Hing Road	Drainage at Hung Hing Road, Causeway Bay near the entrance of Cross Harbour Tunnel was blocked and sewage was overflowing from the sewer.	<p>Two public complaints regarding the subject matter on blocked drainage were referred by RSS was received by ET on 19 January 2016 (ICC Ref.: #2-1754682833 and ICC Ref: #2-1759629742).</p> <p>The first complainant (ICC Ref.: #2-1754682833) on 11 January 2016 reported that the drainage at Hung Hing Road, Causeway Bay near the entrance of Cross Harbour Tunnel was blocked and sewage was overflowing from the sewer.</p> <p>The first complainant on 13 January 2016 enquired the status of follow-up, the complainant reported that the sewage overflow was severe and pose environmental hygiene concern to the</p>	Final investigation report issued on 27 January 2016



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>surroundings.</p> <p>The first complainant on 14 January 2016 reported that the situation was not improved and would escalate the case if not addressed.</p> <p>The second complainant on 12 January 2016 (ICC Ref: #2-1759629742) reported that a foul sewer was found choking and foul water flows onto the carriageways.</p> <p>ET confirmed with the Resident Site Staff that no discharge point from the Contractor of HY/2009/15 is located within the concern portion of public drain (roadside gully) along Hung Hing Road.</p> <p>The observed yellow pipe extending from the roadside gully at Hung Hing Road into the site area under Contract HY/2009/15 was installed by the Contractor of HY/2009/15 to pump excessive sewage from the roadside gully on 11 January 2016.</p> <p>According to relevant site records and information provided by RSS, a steady flow of wastewater, noticeably sewer-like odour, was seeping through an existing sewage manhole at Hung Hing Road on 11 January 2016 and resulting in the formation of local ponding formed around the low point gully nearby.</p> <p>Based on relevant site information, no discharge point from the Contractor of HY/2009/15 was located at the concerned public drain (roadside gully) along Hung Hing Road while the observed yellow pipe extending from the roadside gully at Hung Hing Road into Contract HY/2009/15 site area was installed by the Contractor of HY/2009/15 to pump excessive sewage from the roadside gully on 11 January 2016. In view of no discharge point established under Contractor HY/2009/15 was observed at the concerned portion of Hung Hing Road, no direct information</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					indicating the association with the Contractor of HY/2009/15 is considered available.  Follow up inspection was conducted during the weekly environmental inspection on 26 January 2016, no further accumulation of wastewater and no particular blockage of the concerned roadside gully at Hung Hing Road was observed. In addition, no overflow from the roadside sewer was observed. Nevertheless, the Contractor of HY/2009/15 was reminded to upkeep the site exit condition to avoid any potential impact to the surroundings.	
EPD complaint case (EPD Case Ref.:H05/RS/00001524-16	22 January 2016	EPD complaint received by ET on 22 January 2016	Hung Hing Road	Construction wastewater from the China Stat's construction site under Contract HY/2009/15 was discharged from the site exit at Hung Hing Road near the Royal Hong Kong Yacht Club to the carriage of Hung Hing Road causing accumulation of stagnant water	<p>A public complaint regarding the blockage of public drainage referred by EPD was received by ET on 22 January 2016 (EPD Case Ref.: H05/RS/00001524-16).</p> <p>The complainant reported that construction wastewater from the China State's construction site under Contract HY/2009/15 was discharged from the site exit at Hung Hing Road near the Royal Hong Kong Yacht Club to the carriage of Hung Hing Road causing accumulation of stagnant water starting from 11 January 2016.</p> <p>ET confirmed with the Resident Site Staff that no construction activities with potential runoff at the main entrance of PRE Office was conducted under Contractor of HY/2009/15 on 11, 14, 15 and 17 January 2016.</p> <p>Concreting for Seawall Reinstatement at TPCWAE was conducted under Contractor of HY/2009/15 on 12 January 2016 and 18 January 2016.</p> <p>Concreting for construction works at covered Tunnel by using concrete pump at TPCWAE was conducted under Contractor of HY/2009/15 on 13 January 2016 and 16 January 2016.</p> <p>According to relevant site records and information</p>	Interim investigation report submitted to EPD on 01 February 2016. EPD advised on 17 February no comment on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>provided by RSS, a steady flow of wastewater, noticeably sewer-like odour, was seeping through an existing sewage manhole at Hung Hing Road on 11 January 2016 and resulting in the formation of local ponding formed around the low point gully nearby.</p> <p>Based on relevant site information provided by RSS, no construction activity with potential runoff at the main entrance of PRE Office were conducted under Contractor of HY/2009/15 on 11, 14, 15 and 17 January 2016 while concreting for seawall reinstatement at TPCWAE were conducted on 12 January 2016 and 18 January 2016 and concreting for construction works at covered Tunnel by using concrete pump at TPCWAE were conducted on 13 January 2016 and 16 January 2016. All construction runoff was pumped to the wastewater treatment facility. In addition, no discharge point from the Contractor of HY/2009/15 was located at the concerned public drain (roadside gully) along Hung Hing Road.</p> <p>Follow up inspection was conducted during the weekly environmental inspection on 26 January 2016. No further accumulation of wastewater and particular blockage of the concerned roadside gully at Hung Hing Road was observed and no overflow from the roadside sewer was observed. The condition of the construction site exit under HY/2009/15 was generally in order and no particular construction surface runoff was observed. Nevertheless, the Contractor of HY/2009/15 was reminded to upkeep the site exit condition to avoid any potential impact to the surroundings.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref.: H05/RS/000 03169-16 dated 16 February 2016	16 February 2016	EPD complaint received by ET on 16 February 2016	West of HKCEC	Construction work at construction site of CEDD Wan Chai Development Phase II reclamation project around 2200hrs	<p>A public complaint regarding construction works at restricted hours referred by EPD was received by ET on 16 February 2016 (EPD Ref.:H05/RS/00003169-16 dated 16 February 2016). The complainant reported that:</p> <p>There was construction work at construction site of CEDD Wan Chai Development Phase II reclamation project around 2200hrs on 06 February 2016 at the west of HKCEC within the work area of Contract HK/2012/08.</p> <p>ET confirmed with the Resident Site Staff that from 1900hrs to 2300hrs on 06 February 2016, no site activity was undertaken by the Contractor of HK/2012/08 at the concerned location and site activities under the Contractor of HK/2012/08 at the concerned area were stopped around 1700hrs on 06 February 2016.</p> <p>According to the relevant site records provided by RSS, from 1900hrs to 2300hrs on 06 February 2016, no site activity was undertaken by the Contractor of HK/2012/08 at the concerned location and site activities under the Contractor of HK/2012/08 at the concerned area were stopped around 1700hrs on 06 February 2016.</p> <p>Nevertheless, the Contractor was reminded to upkeep the site control system for any construction works carried out during restricted hours and night time for Construction Noise Permit compliance.</p>	Interim investigation report submitted to EPD on 23 February 2016.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC Ref.: CASE#2-1938637403 dated 01 March 2016	01 March 2016	ICC complaint received by ET on 03 March 2016	Lung King Street near the parking spaces for motorcycles	Construction noise was emanated from road works	<p>A public complaint regarding construction noise referred by ICC was received by ET on 03 March 2016 (ICC Ref.: CASE#2-1938637403 dated 01 March 2016). The complainant reported that construction noise was emanated from road works located between Lung Wo Road and Lung Wui Road Interface.</p> <p>Further information was referred by RSS on 15 March 2016, the complainant clarified on 15 March 2016 that construction noise was emanated from road works located between Lung Wo Road and Lung Wui Road Interface during midnight and has lasted for one and half month resulting in nuisance to nearby residence.</p> <p>Further information was referred by RSS on 18 March 2016, the complainant further clarified on 18 March 2016 that the concerned location shall be Lung King Street near the parking spaces for motorcycles and the Contract no. as stated on the publicity board is HK/2012/08. Furthermore, the complainant identified the noise was from power generators.</p> <p>ET confirmed with the Resident Site Staff that there was neither construction works nor operation of power generators under Contract HK/2012/08 at the concerned location from 1900hrs to 0700hrs during the period from 23 February 2016 to 14 March 2016.</p> <p>Based on the complaint information referred by ICC on 3 March 2016, according to the relevant site records provided by RSS, from 0800hrs to 1800hrs on both 29 February 2016 and 01 March 2016, drainage works was undertaken by Contract HK/2012/08 at Lung Wo Road and one excavator was in operation for soil excavation. Follow up inspection was conducted during the weekly environmental site inspection on 08 March 2016</p>	<p>1<sup>st</sup> investigation report issued on 11 March 2016.</p> <p>2<sup>nd</sup> investigation report issued on 23 March 2016 and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>and no particular noise emanating works was observed.</p> <p>Based on the further information provided by the complainant on 15 March 2016, the complainant clarified on 15 March 2016 that Construction noise was emanated from road works located between Lung Wo Road and Lung Wui Road Interface during midnight and has lasted for one and half month resulting in nuisance to nearby residence. On 18 March 2016, the complainant further clarified on 18 March 2016 that the concerned location shall be Lung King Street near the parking spaces for motorcycles and the Contract no. as stated on the publicity board is HK/2012/08. Furthermore, the complainant identified the noise was from power generators. According to the relevant site records provided by RSS, there was neither construction works nor operation of power generators under Contract HK/2012/08 at the concerned location from 1900hrs to 0700hrs during the period from 23 February 2016 to 14 March 2016.</p> <p>Nevertheless, in view of the public concern, the Contractor is recommended to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref.: H05/RS/000 05206-16 dated 10 March 2016	07 March 2016	EPD complaint received by ET on 10 March 2016	Waterfront at Lung King Street	Construction dust, plant exhaust and construction noise generated from the construction work of Contract HK/2012/08 at waterfront of Lung King Street caused nuisance, and the water quality at the waterfront of Lung King Street was becoming worse that accumulation of the floating refuse and foam was found	<p>A public complaint regarding construction dust, plant exhaust, construction noise and water quality referred by EPD was received by ET on 10 March 2016 (EPD Ref.: H05/RS/00005206-16 dated 10 March 2016). The complainant reported that construction dust, plant exhaust and construction noise generated from the construction work of Contract HK/2012/08 at waterfront of Lung King Street caused nuisance, and the water quality at the waterfront of Lung King Street was becoming worse that accumulation of the floating refuse and foam was found.</p> <p>ET confirmed with the Resident Site Staff that soil excavation at ELS area, Zone A2(2), was carried out, where at approx. 100m from the waterfront of Lung King Street from 08:00 hrs to 18:00 hrs on 07 March 2016 under Contract HK/2012/08. Two excavators were involved at that location. Erection of falsework for culvert L was carried out near the waterfront of Lung King Street from 08:00 hrs to 18:00 hrs on 07 March 2016 under Contract HK/2012/08. One lorry crane was involved for lifting falsework elements. Dust suppression measures including the water sprinklers were installed along site haul road.</p> <p>Regularly removed the floating refuse at the waterfront of Lung King Street was conducted by the Contractor of HK/2012/08. The concerned observed floating foam at the waterfront of Lung King Street was found originating from the diverted cooling mains discharge.</p> <p>According to the relevant site records provided by RSS, soil excavation at ELS area, Zone A2(2) was carried out, where at approx. 100m from the waterfront of Lung King Street under Contract</p>	<p>Interim investigation report submitted to EPD on 18 March 2016.</p> <p>EPD advised no comment on 29 April 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>HK/2012/08 from 08:00hrs to 18:00hrs on 07 March 2016 and two excavators were in operation at that location while erection of falsework for culvert L was carried out near the waterfront of Lung King Street from 08:00hrs and 18:00hrs on 07 March 2016 under Contract HK/2012/08 and one lorry crane was involved for lifting falsework elements. Dust suppression measures including the use of water sprinklers along the site haul road was implemented by the Contractor of HK/2012/08 and removal of floating refuse was regularly conducted at the waterfront of Lung King Street by the Contractor of HK/2012/08. Upon investigation, the concerned observed floating foam at the waterfront of Lung King Street was found originating from the diverted cooling mains discharge.</p> <p>Follow up inspection was conducted during the weekly environmental site inspection on 15 March 2016 and dust suppression measures including watering for haul road, tarpaulin sheet covering for cement bags stored on site and three side and top covering for grouting station were implemented while and no dark smoke emission from the plant and machinery deployed on site was observed. Noise mitigation measures including acoustic covering was implementing for excavator mounted breaker. In addition, removal of floating refuse on site was observed implemented by the Contractor of HK/2012/08 and no accumulation of floating refuse was found. The concerned foam originating from diverted cooling mains discharge was observed during inspection and the dispersion of the concerned foam of unknown chemical nature was observed isolated from the nearby public area.</p> <p>Nevertheless, in view of the public concern, the</p>	



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					Contractor was recommended to maintain regular checking of the plants and equipment deployed on site to avoid potential air quality impact to the nearby public and to maintain adequate dust suppression measures on site to avoid potential dust impact to the surroundings. The Contractor was reminded to maintain regular cleaning of floating refuse within the construction site area to avoid potential nuisance to the surroundings. The Contractor was also reminded to maintain the noise mitigation measure if breaking works would be required. The Contractor was also suggested to reflect the observed foam to relevant Cooling Mains owners.	
EPD Ref.: H05/RS/000 06732-16 dated 10 March 2016	23 March 2016	EPD complaint received by ET on 31 March 2016	Seafront opposite to City Garden	Muddy water discharge from construction site outside City Garden	<p>A public complaint regarding direct discharge of muddy effluent referred by EPD was received by ET on 31 March 2016 (Case Ref.: H08/RS/00006732-16). The complainant reported that:</p> <p>Muddy water was observed discharged from the construction site of Central – Wan Chai Bypass – Tunnel (North Point Section) and Island Eastern Corridor Link (Contract No. HY/2009/19) into Victoria Harbour via a drain hole.</p> <p>ET confirmed with the Resident Site Staff that pipe Laying works between Pier 32 and Pier 33 and excavation and blinding works for Manhole at Pier 34 were in progress on 22 March 2016.</p> <p>The observed drain hole was identified to be the outlet point of a manhole and a section of an abandoned U-channel (extending from the concerned manhole to the Hong Kong Electric Substation in length along the site boundary) was adjoining the concerned manhole and sandbag was previously placed at the U-channel at the location near the inlet point to the concerned manhole.</p>	<p>The interim investigation report was submitted to EPD on 11 April 2016.</p> <p>EPD advised no comment on 02 September 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Based on the site records confirmed by RSS, pipe laying works between Pier 32 and Pier 33 and excavation and blinding works for Manhole at Pier 34 were in progress on 22 March 2016. The observed drain hole was identified to be the outlet point of a manhole and a section of an abandoned U-channel (extending from the concerned manhole to the Hong Kong Electric Substation in length along the site boundary) was adjoining the concerned manhole and sandbag was previously placed at the U-channel at the location near the inlet point to the concerned manhole. In addition, no site discharge point was connected to the aforesaid U-channel and the concerned manhole. In view of the environmental concern, the following remedial and precautionary actions were taken by the Contractor of HY/2009/19 on 29 March 2016.</p> <p>i) Plugging the inlet point of the concerned manhole (connecting to the abandoned U-channel) with concrete;</p> <p>ii) Plugging the outlet of the concerned manhole (connecting to the observed drain hole) with concrete;</p> <p>iii) Filling the concerned manhole with rubbles;</p> <p>iv) Shifting the unused wastewater treatment plant around the concerned location to other site location for use.</p> <p>Follow-up inspection was conducted by the Environmental Team on 06 April 2016. No further contaminated runoff discharge was observed from the concerned drain hole and precautionary measures including provision of concrete bunding was implemented along the site boundary at the concerned location to avoid potential surface overflow. The pipe laying works and the excavation works was found at distant location</p>	



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					<p>away from the concerned drain hole with no surface drain connection and no particular effluent was generated from the work. As such, no information indicate the discharge was related to the above construction activities.</p> <p>However, it was noted that another section of surface drainage channel within the construction site (perpendicular in direction to the initial identified abandoned U-channel) was also in connection to concerned manhole and minor residue mud deposition was observed within the surface drainage channel. Despite the above additional surface drainage channel identified, the outlet point of concerned final manhole (in connection with the observed drain hole) was observed plugged with concrete and filled with rubbles as rectification measure to avoid any further contaminated runoff discharge via the observed drain hole.</p> <p>Nevertheless, the Contractor of HY/2009/19 was reminded to conduct regular cleaning works for site surface drainage channel to avoid accumulation of silt and soil and avoid potential overflow by directing the surface runoff within the surface drainage channel to proper collection point for necessary treatment prior to discharge. The Contractor of HY/2009/19 was also reminded to check and review other surface drainage channel within the construction site to avoid potential runoff related impact via surface drainage channel to the nearby waters.</p> <p>In addition, it was noticed that water was discharged from a piping extending from City Garden and the discharged water would result in seepage across the site hoarding into the abandoned U-channel. The Contractor of HY/2009/19 was suggested to liaise with the City Garden Management Office for proper connection</p>	



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					of the observed pipping with discharge to prevent further seepage water into the construction site.	
H08/RS/000 07662-16	05 April 2016	EPD complaint received by ET on 05 April 2016	Construction area opposite to Harbour Heights	Construction dust emission arising from drilling activity	<p>A public complaint regarding construction dust emission was referred by EPD was received by ET on 05 April 2016 (Case Ref.: H08/RS/00007662-16). The complainant reported that construction dust emission arising from drilling activity from the construction site of Central – Wan Chai Bypass – Tunnel (North Point Section) and Island Eastern Corridor Link (Contract No. HY/2009/19).</p> <p>ET confirmed with the Resident Site Staff that drilling holes for installation of starter bars was carried out under Contract HY/2009/19 at the vertical cut face of the existing IEC road slab on 05 April 2016</p> <p>Based on the site records confirmed by RSS, drilling holes for installation of starter bars was carried out under Contract HY/2009/19 at the vertical cut face of the existing IEC road slab on 05 April 2016 and according to the photo information provided by the EPD, no dust suppression measures was implemented during the observed drilling works on 05 April 2016.</p> <p>According to Air Pollution Control Ordinance, for pneumatic or power-driven drilling, cutting and polishing, water or a dust suppression chemical shall be continuously sprayed on the surface where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation that causes dust emission is carried out, unless the process is accompanied by the operation of an effective dust extraction and filtering device.</p>	<p>The interim report was submitted to the EPD on 14 April 2016.</p> <p>EPD conducted follow up site visit on rectification measures on 21 April 2016. A inspection record form (Pink Form) was issued to the Contractor regarding the observed incident.</p> <p>EPD advised no comment on 02 September 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow-up inspection was conducted on 06 April 2016, rectification actions including the use of vacuum suction to extract dust generated during the concerned drilling works was observed implemented by the Contractor of HY/2009/19 for starter bars drilling works.	
ICC Case Ref.:2-2036525055 dated 27 March 2016	27 March 2016	ICC complaint case received by ET on 11 April 2016	Victoria Park Road Pedestrian Pathway	Toppling of tree	<p>An ICC public complaint regarding landscape aspect was referred by RSS was received by ET on 11 April 2016 (Case Ref.:2-2036525055). The complainant reported that a tree (6 meters in height and 1.5 meters in diameter) was found toppled at 111 Victoria Park Road, near Lamp post 38632 and blocking the Pedestrian pathway on 27 March 2016.</p> <p>ET confirmed with the Resident Site Staff that the concerned tree was identified as T710 and no construction activity in the vicinity of tree T710 on 27 March 2016 and no construction works are required in or near its vicinity.</p> <p>Based on the site records confirmed by RSS, the concerned tree was identified as the retained tree T710 maintained under the Contract of HY/2010/08 and the concerned tree T710 was located outside the assessment area in the relevant Project EIA Report. No construction works are required in the vicinity of concerned tree T710 and no construction activity was conducted in the vicinity of tree T710 on 27 March 2016. Nevertheless, based on RSS information, recent tree monitoring report indicates an existing cavity at trunk and the concerned tree T710 has been recommended to be felled in the tree risk assessment Form 2.</p> <p>With respect to the observed incident of the toppling of the concerned tree T710, the</p>	Investigation Report issued on 15 April 2016 and case closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Contractor of HY/2010/08 was instructed by RSS to remove the broken trunk/ remains to avoid impact to the surroundings. The concerned tree T710 shall be compensated by the Contractor of HY/2010/08 in accordance with the Development Bureau Technical Circular (Works) No. 7/2015 and the detail on compensation would be further agreed with Victoria Park Management Office. Follow-up inspection was conducted on 13 April 2016, and the remaining parts of the concerned tree T710 was observed felled to avoid further impact to nearby public road.	
Not available	12 April 2016	A CEDD public complaint referred by RSS was received by ET on 13 April 2016	East of Star Ferry Piers	Muddy water was observed to disperse from Contract HK/2009/02 site area to Victoria Harbour occasionally as there was no silt curtain installed under the buoyancy floats. The location concerned was the East of Star Ferry Piers (Contract No. HK/2009/02).	<p>A CEDD public complaint regarding muddy dispersion referred by RSS was received by ET on 13 April 2016. The complainant reported that muddy water was observed to disperse from Contract HK/2009/02 site area to Victoria Harbour occasionally as there was no silt curtain installed under the buoyancy floats. The location concerned was the East of Star Ferry Piers (Contract No. HK/2009/02).</p> <p>ET confirmed with the Resident Site Staff that no marine construction activities or land construction activities under Contract HK/2009/02 at the concerned location on 12 April 2016. Surface runoff control measures including provision of concrete bund at the concerned location was implemented by Contract HK/2009/02. No soil &amp; silt deposition along the seawall at the concerned location on 12 April 2016. No discharge point located in the vicinity of the concerned location under Contract HK/2009/02. Silt curtain with buoyancy floats acting as anchor points was installed at Monitoring Station RW21-P789 for Water intakes.</p>	Investigation report issued on 19 April 2016 and case closed





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Based on the site records confirmed by RSS, no marine construction activities or land construction activities was carried out under Contract HK/2009/02 at the concerned location on 12 April 2016 and no soil and silt deposition was found along the seawall at the concerned location and precautionary measures for site runoff control including provision of concrete bund along boundary of site area near the waterfront around the concerned location was implemented by the Contractor HK/2009/02. In addition, no discharge point under Contract HK/2009/02 was located in the vicinity of the concerned location. Based on information confirmed by RSS, the buoyancy floats deployed at the concerned location are acting as the anchor points for the silt curtain deployed around the WQM Station RW21-P789 for the WSD and Cooling Water Intakes group.</p> <p>Follow-up inspection was conducted on 14 April 2016, no surface runoff from the construction site nor discharge of contaminated effluent was observed around the concerned location and precautionary measures including the provision of concrete bund at the concerned location was observed maintained by the Contractor of HK/2009/02 and the silt curtain deployed around the WQM station RW21-P789 was generally in order.</p> <p>In view of the public concern on the water quality, the Contractor of HK/2009/02 was reminded to maintain effective surface runoff protection and provide proper collection point of construction effluent around the concerned location to avoid potential surface runoff related impact.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref.: H05/RS/000 08367-16 dated 13 April 2016	13 April 2016	A public complaint referred by EPD was received by ET on 13 April 2016	Outside the Hong Kong Academy for Performing Arts	Muddy water discharge from construction site	<p>A public complaint regarding muddy water discharge referred by EPD was received by ET on 13 April 2016 (EPD Ref.: H05/RS/00008367-16 dated 13 April 2016). The complainant reported that muddy water was discharged from the construction work of Contract HK/2012/08 to the sea outside the Hong Kong Academy for Performing Arts on 13 April 2016 morning.</p> <p>ET confirmed with the Resident Site Staff that internal transport of soil to the hopper barge for storage via landing barge was conducted by Contractor of HK/2012/08 during 0800 hours to 1000 hours on 13 April 2016 at the sea outside the concerned location and 3 nos. of dump trucks were deployed for the operation.</p> <p>Protection measure including provision of sandbag bunding along the side of the landing barge was implemented by the Contractor of HK/2012/08.</p> <p>According to the relevant site records provided by RSS, internal transport of soil to the hopper barge for storage via landing barge was conducted by Contractor of HK/2012/08 during 0800 hours to 1000 hours on 13 April 2016 at the sea outside the concerned location and 3 nos. of dump trucks were deployed for the operation. Protection measure including provision of sandbag bunding along the side of the landing barge was implemented by the Contractor of HK/2012/08. In addition, amber rainstorm warning signal was hoisted from 0630 hours to 1200 hours on 13 April 2016 and during the above time period, muddy water was observed from the upstream of culvert L outside the HK/2012/08 site.</p> <p>Follow up inspection was conducted on 19 April 2016, protection measures including provision of</p>	<p>Interim investigation report was submitted to the EPD on 21 April 2016.</p> <p>EPD advised no further comment on 06 June 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>sandbag bunding along the side of the landing barge was implemented and no mud or soil deposition was observed along the seawall and no discharge point was located within the temporary water channel connecting the Culvert L outfall location to the Victoria Harbour. In addition, piling works was observed at the north side of Zone A1 on 19 April 2016 and construction effluent collection from piling work via sedimentation tank to wastewater treatment facility was implemented and steel barrier was installed around the piling works area to mitigate against potential surface runoff related impact.</p> <p>Nevertheless, in view of the public concern, the Contractor was reminded to maintain adequate perimeter embankment protection along the seawall boundary and maintain proper construction effluent collection system to avoid potential runoff related impact to nearby waters.</p>	
EPD Ref: H05/RS/000 12646-16 dated 27 May 2016	26 May 2016	A public complaint referred by EPD was received by ET on 27 May 2016	Construction Site near Wanchai Ferry Pier	Operation of generator around the clock	<p>A EPD complaint regarding noise nuisance referred by RSS was received by ET on 27 May 2016 (EPD Ref: H05/RS/00012646-16 dated 27 May 2016). The complainant reported that a generator was operated round-the-clock in the Chun Wo- CRGL JV construction site near Wanchai Ferry Pier that cause noise nuisance. (Contract No. HK/2009/02).</p> <p>ET confirmed with the Resident Site Staff that a generator deployed under Contract HK/2009/02 near the covered walkway for Wanchai Ferry Pier at Portion 2 area and was operated from 1900hrs on 24 May 2016 to 0700hrs on 25 May 2016 and from 1900hrs on 25 May 2016 to 0700hrs on 26 May 2016. The generator was used for the power supply of lighting inside Tunnel Portions 1 and 2.</p> <p>According to the relevant site records provided by</p>	<p>Interim investigation report submitted to EPD on 7 June 2016.</p> <p>EPD advised no further comment on 05 August 2016 on the report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>RSS, a generator deployed under Contract HK/2009/02 near the covered walkway for Wanchai Ferry Pier at Portion 2 area and was operated from 1900hrs on 24 May 2016 to 0700hrs on 25 May 2016 and from 1900hrs on 25 May 2016 to 0700hrs on 26 May 2016. The generator was used for the power supply of lighting inside Tunnel Portions 1 and 2. Based on review on site information, relevant Construction Noise Permits GW-RS0516-16 and GW-RS0390-16 for the operation of the concerned generator were confirmed in place while no sufficient site information was considered available to demonstrate the use of acoustic enclosure for the operation of the generator following the special condition 3d item 4. Despite the above, the Contractor of HK/2009/02 has suspended the use of the generator at the concerned location after 2300hours to minimize potential noise concern to the surroundings from 28 May 2016.</p> <p>Nevertheless, the Contractor of HK/2009/02 was reminded to upkeep the site control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance and maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref: H08/RS/000 14627-16 dated 16 June 2016	15 June 2016	A public complaint referred by EPD was received by ET on 16 June 2016	Construction area of Island Eastern Corridor near Sea View Estate.	Splashing from the working area of Island Eastern Corridor near Sea View Estate.	<p>A public complaint was referred by EPD was received by ET on 16 June 2016 (Case Ref.: H08/RS/00014627-16). The complainant reported that his or her properties were covered by many water stains which were splashing from the working area of Island Eastern Corridor near Sea View Estate.</p> <p>ET confirmed with the Resident Site Staff that rebar fixing was carried out on 13 and 14 June 2016 under the Contractor of HY/2009/19 while formwork cleaning and laying concrete for stitching and curing work for concrete were carried out under the Contractor of HY/2009/19 on 15 June 2016 and 16 June 2016 respectively.</p> <p>Mitigation measures including provision of metal cover underneath the bridge deck in slanting position at Watson Road to prevent spilling of water onto public road and provision of tarpaulin sheet along the guard rails of the bridge deck at Pier 19-20 (opposite to Sea View Estate) to prevent splashing of water to outside area were implemented by the Contractor of HY/2009/19.</p> <p>Based on the site records confirmed by RSS, rebar fixing was carried out on 13 and 14 June 2016 under the Contractor of HY/2009/19 while formwork cleaning and laying concrete for stitching and curing work for concrete were carried out under the Contractor of HY/2009/19 on 15 June 2016 and 16 June 2016 respectively.</p> <p>Mitigation measures including provision of metal cover underneath the bridge deck in slanting position at Watson Road to prevent spilling of water onto public road and provision of tarpaulin sheet along the guard rails of the bridge deck at Pier 19-20 (opposite to Sea View Estate) to prevent splashing of water to outside area were implemented by the Contractor of HY/2009/19.</p>	The interim report submitted to the EPD on 29 June 2016. EPD advised no comment on the interim report submitted and case closed on 02 September 2016.



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					<p>Follow up inspection was conducted on 22 June 2016, mitigation measures including the use of metal cover underneath the bridge deck at Watson Road and provision of tarpaulin sheet along the guard rails of the section of bridge deck opposite to Sea View Estate were implemented by the Contractor of HY/2009/19. No particular spilling or splashing of construction water was observed during inspection around the concerned location.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2009/19 was suggested that the direction of the water hose shall be pointed away from the public area as far as practicable during water use or watering for dust suppression to avoid potential splashing nuisance caused to the surroundings. The Contractor of HY/2009/19 was also reminded to maintain proper site drainage to direct surface runoff generated from construction works or cleaning to the proper collection point within site area to avoid potential nuisance to the surroundings.</p>	
EPD Ref: H08/RS/000 16213-16 dated 14 July 2016	30 June 2016	A public complaint referred by EPD was received by ET on 14 July 2016	Construction Site of TS3 near Slip Road 8	Night time construction noise from construction works between 0200hrs to 0300hrs and construction dust emission from construction site of TS3 near Slip Road 8 section.	<p>A public complaint referred by EPD was received by ET on 14 July 2016 (Case Ref.: H08/RS/00016213-16). The complainant reported the concern about night time construction noise from construction works between 0200hrs to 0300hrs and construction dust emission from construction site of TS3 near Slip Road 8 section.</p> <p>ET confirmed with the Resident Site Staff that excavation at TS3 and loading of material onto derrick barge (Shun Tat 28) by crawler crane was undertaken by the Contractor of HY/2010/08 from 19:00hrs to around 02:00hrs on 30 June 2016. Total one crawler crane was in operation.</p> <p>Noise mitigation measures including equipping the crawler crane with noise barrier was implemented</p>	The interim report submitted to the EPD on 22 July 2016



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					<p>by the Contractor of HY/2010/08.</p> <p>Dust mitigation measures including manual spraying of water and mist nozzles are deployed on the ground level and at the cofferdam.</p> <p>Based on the site records confirmed by RSS, excavation at TS3 and loading of material onto derrick barge (Shun Tat 28) by crawler crane was undertaken by the Contractor of HY/2010/08 from 19:00hrs on 29 June 2016 to around 02:00hrs on 30 June 2016. No construction works was conducted at the concerned location after around 02:00hrs on 30 June 2016. Total one crawler crane was in operation and noise mitigation measures including equipping the crawler crane with noise barrier was implemented by the Contractor of HY/2010/08.</p> <p>Based on review on relevant record, Construction Noise Permit GW-RS0434-16 for the operation of crawler crane at the concerned location was in place. However, based on relevant site record, it was noted that the crawler crane deployed during the concerned period could not match with the specific PME requirement under condition 3a (Crane, crawler, mounted with noise barrier (Kobelco 7250S)) of the Construction Noise Permit GW-RS0434-16 between 23:00hrs to 07:00hrs on the following day. Dust mitigation measures including manual spraying of water and mist nozzles were deployed on the ground level and at the cofferdam.</p> <p>Follow up inspection was conducted on 20 July 2016, the potential concerned excavation works at the concerned location was not observed and no particular dust impact was observed around the concerned location.</p> <p>In view of the above, the Contractor of HY/2010/08 was advised to review the site control system for</p>	



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					construction works carried out during restricted hours to check and ensure the model/ specific PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public. Also, the Contractor of HY/2010/08 was reminded to maintain sufficient watering for excavated material handling to avoid potential dust nuisance to the surroundings.	
EPD Ref: H08/RS/000 22448-16 dated 06 September 2016	04 Sept 2016	A public complaint referred by EPD was received by ET on 06 September 2016	Road construction works area near Causeway Bay Typhoon Shelter	Construction noise from road construction work near Causeway Bay Typhoon Shelter	<p>A public complaint referred by EPD was received by ET on 06 September 2016 (Case Ref.: H08/RS/00022448-16). The complainant reported that construction noise from the road construction work near Causeway Bay Typhoon Shelter during 0800hrs to 2100 hrs on 04 September 2016 (Sunday) caused nuisance. The complainant also indicated that the construction noise was generated up to 0100 hrs on normal weekdays.</p> <p>ET confirmed with the Resident Site Staff that underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100hrs on 04 September 2016. Total 1 no. of generator and 1 no. of welding machine were in operation.</p> <p>Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 01 September 2016 to 0100hrs on 02 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.</p> <p>Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 02 September 2016 to 0100hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.</p> <p>Grouting works at Victoria Park Road Eastbound</p>	<p>The interim report submitted to EPD on 20 September 2016.</p> <p>EPD advised no comment on 31 October 2016 on the interim report submitted and case closed.</p>





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>slow lane was conducted from 2300hrs to 2359hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.</p> <p>Based on the site records confirmed by RSS, underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100hrs on 04 September 2016, total 1 no. of generator and 1 no. of welding machine were in operation and relevant Construction Noise Permit GW-RS0442-16 was in place. Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 01 September 2016 to 0100hrs on 02 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation. Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 02 September 2016 to 0100hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation. Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs to 2359hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation. Relevant Construction Noise Permit GW-RS0531-16 was in place for the above construction activities.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref: H08/RS/000 24768-16 dated 07 October 2016	28 Sept 2016 04 Oct 2016	A public complaint referred by EPD was received by ET on 07 October 2016	Causeway Bay Typhoon Shelter	Construction work at the construction site in Causeway Bay Typhoon Shelter area was found after 1900hrs on 28 September 2016 and 04 October 2016 that caused noise nuisance.	<p>A public complaint referred by EPD was received by ET on 07 October 2016 (Case Ref.: H08/RS/00024768-16). The complainant reported that construction work at the construction site in Causeway Bay Typhoon Shelter area was found after 1900hrs on 28 September 2016 and 04 October 2016 that caused noise nuisance. The complainant also reported that there were 5 concrete lorry mixers operating at the above site after 1900hrs on 04 October 2016.</p> <p>ET confirmed with the Resident Site Staff that concreting for tunnel structure in TS3 (W) was conducted from 1900hrs to 2300hrs on 28 September 2016. One concrete pump and two concrete lorry mixers were in operation. One no. of concrete lorry mixer was located at the East of TS3 (W) and one no. of concrete lorry mixer was located at the west of TS3 (W). Concreting for tunnel structure in TS3 (W) was conducted from 1900hrs to 2300hrs on 04 October 2016. One concrete pump and two concrete lorry mixers were in operation. One no. of concrete lorry mixer was located at the East of TS3 (W) and one no. of concrete lorry mixer was located at the west of TS3 (W).</p> <p>Based on the site records confirmed by RSS, concreting for tunnel structure in TS3 (W) was conducted from 1900hrs to 2300hrs on 28 September 2016 and from 1900hrs to 2300hrs on 04 October 2016 and total one concrete pump and two concrete lorry mixers were in operation during the above concerned periods. One no. of concrete lorry mixer was located at the East of TS3 (W) and one no. of concrete lorry mixer was located at the west of TS3(W) during the above concerned periods and relevant Construction Noise Permit</p>	The interim investigation report was submitted to EPD on 18 October 2016.



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					<p>GW-RS0434-16 and GW-RS0407-16 were in place for the construction works conducted during the above concerned periods.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
EPD Ref: H05/RS/0002 9722-16 dated 22 November 2016	15 Nov 2016	A public complaint referred by EPD received by ET on 22 November 2016	Construction Site near Wanchai Ferry Pier	Noise was emanated in the Chun Wo – CRGLJV construction site near Wanchai Ferry Pier till late night and caused nuisance to nearby sensitive receivers.	<p>An EPD complaint regarding noise nuisance referred by EPD was received by ET on 22 November 2016 (EPD Ref: H05/RS/00029722-16 dated 22 November 2016). The complainant reported that noise was emanated in the Chun Wo – CRGLJV construction site near Wanchai Ferry Pier till late night and caused nuisance to nearby sensitive receivers.</p> <p>ET confirmed with the Resident Site Staff that Excavation works at Portion 5 was conducted under Contract HK/2009/02 at Portion 5 area (West of Wan Chai Ferry Pier) from 1900hrs to 2300hrs on 14 November 2016. Total two crawler cranes, two excavators and two generators were operated at ground level and four excavators were operated below ground level. No construction activity was conducted under Contract HK/2009/02 from 2300hrs on 14 November 2016 to 0700hrs on 15 November 2016. Total two generators were operated at ground level for lighting illumination of Portion 5.</p>	Interim investigation report submitted to EPD on 29 November 2016.



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					<p>According to information provided by RSS, excavation works at Portion 5 was conducted under Contract HK/2009/02 at Portion 5 area (West of Wan Chai Ferry Pier) from 1900hrs to 2300hrs on 14 November 2016. Total two crawler cranes and two excavators were operated at ground level and four excavators were operated below ground level. Two generators were operated at ground level. Based on review on site information, relevant Construction Noise Permits GW-RS0593-15 for the above construction activities and above operation of the generators were confirmed in place. No construction activity was conducted under Contract HK/2009/02 from 2300hrs on 14 November 2016 to 0700hrs on 15 November 2016 and two generators were operated at ground level for lighting illumination of Portion 5.</p> <p>In view of the public concern, the Contractor of HK/2009/02 confirmed that the two generators for lighting power supply at ground level after 2300hrs had been suspended and replaced by other two generators located below ground level at Portion 5 area since 23 November 2016 to minimize the noise impact to the surroundings. In addition, the Contractor of HK/2009/02 was reminded to upkeep the site control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance and maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public. Also, the Contractor of HK/2009/02 was recommended to review the enhancement noise mitigation measure to be adopted for the generators deployed at ground level before 2300hrs to alleviate potential noise concern to the surroundings.</p>	



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EPD ref: H08/RS/0003 0890-16 dated 07 December 2016	24 Nov 2016	A public complaint referred by EPD received by ET on 07 December 2016	Construction Site at Victoria Park	Noise emanated from the construction site at Victoria Park after 1900hrs.	<p>A public complaint referred by EPD was received by ET on 07 December 2016 (Case Ref.: H08/RS/00030890-16). The complainant reported that Noise was emanated in the construction site near Victoria Park after 19:00 and caused nuisance to nearby sensitive receivers on 24 November 2016. ET confirmed with the Resident Site Staff that welding works for the tie-rod for the vertical blinding concrete was undertaken by the Contractor of HY/2010/08 at the construction site in the Victoria Park from 1900hrs to 2300hrs on 24 November 2016. Total 3 nos. of welding machines (electric), 3 nos. of water pumps (electric) and 1 no. of AquaSED were in operation.</p> <p>Based on the site records confirmed by RSS, welding works for the tie-rod for the vertical blinding concrete was undertaken by the Contractor of HY/2010/08 at the construction site in the Victoria Park from 1900hrs to 2300hrs on 24 November 2016. Total 3 nos. of welding machines (electric), 3 nos. of water pumps (electric) and 1 no. of AquaSED were in operation and relevant Construction Noise Permit GW-RS0930-16 was in place for the construction works conducted during the above concerned period. In addition, according to relevant site information confirmed by RSS, the welding machines, water pumps and AquaSED were connected to and powered by Hong Kong Electric power grid. Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	<p>Investigation report submitted to EPD on 16 December 2016.</p> <p>Under EPD review</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD complaint H08/RS/000 01175-17 dated 16 January 2016	10 January 2017	A public complaint referred by EPD received by ET on 16 January 2017	Causeway Bay Typhoon Shelter	Construction work at the reclamation site in Causeway Bay Typhoon Shelter area (Under the Island Eastern Corridor) was found after 1900hrs on 10 January 2017 and the concrete lorry mixer and concrete pump may not comply with the Construction Noise Permit	<p>A public complaint referred by EPD was received by ET on 16 January 2017 (Case Ref.: H08/RS/00001175-17). The complainant reported that construction work at the reclamation site in Causeway Bay Typhoon Shelter area (Under the Island Eastern Corridor) was found after 1900hrs on 10 January 2017. The complainant reported that there were 3 concrete pumps and around 10 concrete lorry mixers operating at the above site during the said period which may not comply with the Construction Noise Permit.</p> <p>ET confirmed with the Resident Site Staff that concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 1900hrs and 2000hrs on 10 January 2017.</p> <p>Total 3 nos. of Lorry Mounted Concrete Pumps and 6 nos. of Concrete Lorry Mixers were operated at TS3 while temporary noise barrier was provided for 2 nos. of the operating Lorry Mounted Concrete Pumps and 4 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p> <p>Concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 2000hrs and 2030hrs 10 January 2017. Total 2 nos. of Lorry Mounted Concrete Pump and 4 nos. of Concrete Lorry Mixers were operated at TS3 while temporary noise barrier was provided for 1 no. of the operating Lorry Mounted Concrete Pumps and 2 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p>	Interim investigation report submitted to EPD on 03 February 2017.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 2030hrs and 2300hrs 10 January 2017. Total 1 no. of Lorry Mounted Concrete Pump and 2 nos. of Concrete Lorry Mixers were operated at TS3.</p> <p>Based on the site records confirmed by RSS, concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 1900hrs and 2300hrs on 10 January 2017. From 1900hrs to 2000hrs, total 3 nos. of Lorry Mounted Concrete Pumps and 6 nos. of Concrete Lorry Mixers while temporary noise barrier was provided for 2 nos. of the operating Lorry Mounted Concrete Pumps and 4 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p> <p>From 2000hrs to 2030hrs, total 2 nos. of Lorry Mounted Concrete Pump and 4 nos. of Concrete Lorry Mixers were operated at TS3 while temporary noise barrier was provided for 1 no. of the operating Lorry Mounted Concrete Pumps and 2 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p> <p>From 2030hrs to 2300hrs, total 1 no. of Lorry Mounted Concrete Pump and 2 nos. of Concrete Lorry Mixers were operated at TS3.</p> <p>Relevant Construction Noise Permit GW-RS1232-16 (Corresponding PME Groups operated include Group M, Group K and Group H) was in place for the construction works conducted during the above concerned periods and based on RSS information, a designated personnel on-site was responsible for controlling and supervising the switching between PME Groups. Meanwhile, there</p>	



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					<p>is no sufficient information to conclude if the concerned PME(s) (Concrete Lorry Mixer and Lorry Mounted Concrete Pump) deployed behind the temporary noise barrier provided were not visible to nearby sensitive receivers.</p> <p>As multiple PME grouping under the Construction Noise Permit are involved, the Contractor of HY/2010/08 was reminded to strictly follow the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in strict compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
ICC complaint case (Ref: #2-3218844776) dated 23 December 2017	22 Dec 2016	ICC complaint case referred by RSS received by ET on 18 January 2017	Construction Site Gate Exit near Expo Drive East	No wheel washing from CEDD work site, no supervision from the Resident Site Staff, mud was dispersed on the road and flush to the communal drain by Chun Wo-China Railway JV HK/2009/02.	<p>A public complaint regarding the subject matter on wheel washing referred by RSS was received by ET on 18 January 2017 (ICC Ref: #2-3218844776). The complainant reported that no wheel washing from CEDD work site, no supervision from the Resident Site Staff, mud was dispersed on the road and flush to the communal drain by Chun Wo-China Railway JV HK/2009/02.</p> <p>ET confirmed with the Resident Site Staff that the concerned location was Site Exit Gate No. 6 at Expo Drive East operated and maintained under HK/2009/02 on 22 December 2016. Site measures including provision of wheel washing facility was implemented by the Contractor of HK/2009/02 on the concerned date.</p> <p>According to information provided by RSS, the concerned location was Site Exit Gate No. 6 at Expo Drive East operated and maintained under HK/2009/02 on 22 December 2016. In view of the environmental concern, remedial measures including i) instructing all workers to conduct wheel</p>	Final investigation report issued on 23 January 2017.





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					<p>washing within the designated location with collection pit to prevent overflow of washing effluent and ii) manual removal of dirt/silt by worker instead of water flushing in case of dirt/muddy trail found on road were implemented by the Contractor on 28 December 2016. Also, the Contractor of HK/2009/02 was further reminded by the WDII RSS to maintain proper wheel washing facilities at Gate No.6 and inspect regularly to ensure that all vehicles leaving the site to public roads are free of mud.</p> <p>Nevertheless, the Environmental Team further reminded the Contractor on 04 January 2017 that site measures including i) wheel washing operation shall be conducted at the designated location behind the backfall to avoid overflow of washing effluent onto public road ii) any silt/ soil deposited of the public road shall be cleared manually shall be strictly followed and relevant remedial actions were taken by the Contractor of HK/2009/02 on 04 January 2017.</p> <p>According to site inspection conducted on 17 January 2017, the concerned site exit Gate No.6 was maintained in proper condition, no silt/ mud deposition was observed on the public road and wheel washing was conducted by the Contractor of HK/2009/02 at the designated location within the construction site to avoid overflow of washing effluent onto nearby public road.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC complaint case (Ref: #2-3512033936) dated 20 February 2017	20 February 2017	ICC complaint case referred by RSS received by ET on 24 February 2017	Victoria Park Swimming Pool	Noise was emanated from the construction site near Victoria Park Swimming Pool between 2300hrs to 2400hrs in the past months and caused nuisance.	<p>An ICC complaint referred by RSS was received by ET on 24 February 2017 (CASE#2-3512033936). The complainant reported that noise was emanated from the construction site near Victoria Park Swimming Pool between 2300hrs to 2400hrs in the past months and caused nuisance. ET confirmed with the Resident Site Staff that no works was conducted under Contract HY/2010/08 near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) from 21 December 2016 to 20 February 2017.</p> <p>No works was conducted under Contract HY/2010/08 near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) from 21 December 2016 to 20 February 2017.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	Final Investigation Report issued on 02 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC complaint case (Ref: #2-3515474831) dated 21 February 2017	21 February 2017	ICC complaint case referred by RSS received by ET on 24 February 2017	Construction Site near Victoria Park Swimming Park and Causeway Bay Typhoon Shelter	Noise was emanated from the construction site near Victoria Park Swimming Pool between 2300hrs to 2400hrs in the past months and caused nuisance.	<p>An ICC complaint referred by RSS was received by ET on 24 February 2017 (CASE#2-3515474831). The complainant reported that noise was emanated from the construction site near Victoria Park Swimming Pool and Causeway Bay Typhoon Shelter between 1900hrs to 2400hrs in the past months and caused nuisance.</p> <p>ET confirmed with the Resident Site Staff that concreting of tunnel structure at Temporary Reclamation Area TS3 were conducted under Contract HY/2010/08 between 1900hrs and 2300hrs on 13, 14, 15, 16 and 18 February 2017. Total 3 nos. of concrete pump and 6 nos. of concrete lorry mixers were operated.</p> <p>Concreting of tunnel structure at Temporary Reclamation Area TS3 were conducted under Contract HY/2010/08 between 1900hrs and 2100hrs on 21 February 2017. Total 3 nos. of concrete pump and 6 nos. of concrete lorry mixers were operated. Concreting of tunnel structure at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 17 and 20 February 2017. Total 1 no. of concrete pump and 2 nos. of concrete mixers were operated. Bar bending at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 13, 14, 15, 16, 18 and 19 February 2017. Total 1 no. bar bender and cutter was operated. No works was conducted under Contract HY/2010/08 near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) across the period from 13 February 2017 to 21 February 2017.</p> <p>Based on the site records confirmed by RSS, no works was conducted under Contract HY/2010/08</p>	Final Investigation Report issued on 07 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) from 13 February 2017 to 20 February 2017. Concreting of tunnel structure at Temporary Reclamation Area TS3 was conducted under Contract HY/2010/08 between 1900hrs and 2300hrs on 13, 14, 15, 16 and 18 February 2017 and total 3 nos. of concrete pumps and 6 nos. of concrete lorry mixers were operated. Concreting of tunnel structure at Temporary Reclamation Area TS3 were conducted under Contract HY/2010/08 between 1900hrs and 2100hrs on 21 February 2017 and total 3 nos. of concrete pump and 6 nos. of concrete lorry mixers were operated. Relevant Construction Noise Permit GW-RS0029-17 was in place while it is considered that there is no sufficient information to indicate whether the Powered Mechanical Equipment were deployed at the designed location stipulated under the relevant Construction Noise Permit with noise mitigation measures required.</p> <p>Concreting of tunnel structure at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 17 and 20 February 2017. Total 1 no. of concrete pump and 2 nos. concrete mixers were operated. Bar bending at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 13, 14, 15, 16, 18 and 19 February 2017 and total 1 no. bar bender and cutter was operated. Relevant Construction Noise Permit GW-RS1366-13 was in place while it is considered that there is no sufficient information to indicate whether the Powered Mechanical Equipment were deployed at the designed location stipulated under the relevant Construction Noise Permit with noise mitigation measures required.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Nevertheless, further to the joint ad-hoc inspection conducted by the ET/IEC on 13 February 2017 during restricted hours (between 1900hrs to 2200hrs), concurrent operations of 4 nos. of concrete lorry trucks at the Southern Side of TS3 near Construction Site Entrance and concurrent operations of 2 nos. of concrete lorry pumps and 2 nos. of concrete lorry truck at Western and Northern Side of TS3 were observed while the temporary noise barrier provided for the concrete lorry pump and concrete lorry truck at the Northern Side of TS3 could not screen entirely the concrete lorry truck and concrete lorry pump (Located at Northern Side of TS3) from nearby sensitive receivers. Therefore, it is considered that the above operations observed could not follow the PME grouping requirement and the specific condition 3.d.4 under the relevant Construction Noise Permit.</p> <p>In view of the above, the Contractor of HY/2010/08 was advised to enhance the site supervision and strictly implement the site control system for construction works carried out during restricted hours to ensure the PMEs deployed strictly comply with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC complaint case (Ref: #2-3521097579) dated 22 February 2017	22 February 2017	ICC complaint case referred by RSS received by ET on 27 February 2017	Construction Site at Victoria Harbour near Victoria Park	Noise was emanated from the construction Site at Victoria Harbour near Victoria Park from 0000hrs to 0200hrs on Tuesday and caused nuisance and Concrete Lorry was observed on scene.	<p>An ICC complaint referred by RSS was received by ET on 27 February 2017 (CASE#2-3521097579). The complainant reported that noise was emanated from the construction Site at Victoria Harbour near Victoria Park from 0000hrs to 0200hrs on Tuesday and caused nuisance and Concrete Lorry was observed on scene.</p> <p>ET confirmed with the Resident Site Staff that no construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.</p> <p>No construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	Final Investigation Report issued on 02 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC Complaint Case (CASE #2-357615753 8 dated 05 March 2017)	05 March 2017	ICC complaint referred by RSS was received by ET on 06 March 2017	Construction works area under Contract HK/2009/02 for Wanchai Development Phase II	Noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.	<p>An ICC complaint referred by RSS was received by ET on 06 March 2017 (CASE#2-3576157538). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.</p> <p>ET confirmed with the Resident Site Staff that no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level.</p> <p>Tunnel backfilling and construction of temporary walls at Portions 3&amp;4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 no. of loader were in operation below ground level.</p> <p>According to the information confirmed by RSS, no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&amp;4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 loader were in operation below</p>	Investigation report issued on 10 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					ground level. Relevant Construction Noise Permit GW-RS1305-16 was in place.  Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HK/2009/02 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.	
EPD complaint (Case Ref: H05/RS/00 06240-17)	05 March 2017	EPD complaint referred by RSS was received by ET on 14 March 2017. EPD clarified the complaint case shall be referred by ICC Complaint Hotline (CASE #2-3576157538)	Construction works area under Contract HK/2009/02 for Wanchai Development Phase II	Noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.	A EPD complaint was referred to the ET on 14 March 2017 (CASE Ref: H05/RS/0006240-17). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.  ET confirmed with the Resident Site Staff that no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level.  Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 no. of loader were in operation below ground level.	Interim Investigation report issued on 10 March 2017 and case closed.  EPD advised no comment on 09 Oct 2017 on the interim report submitted and case closed





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to the information confirmed by RSS, no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&amp;4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 loader were in operation below ground level. Relevant Construction Noise Permit GW-RS1305-16 was in place.</p> <p>Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HK/2009/02 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
ICC complaint Case (CASE#2-3603182890) dated 10 March 2017	10 March 2017	An ICC complaint referred by RSS was received by ET on 13 March 2017	Construction Site at Victoria Park	Noise was emanated from the construction Site at Victoria Park from 2300hrs to 2400hrs on 10 March 2017 and caused nuisance to nearby residents.	<p>An ICC complaint referred by RSS was received by ET on 13 March 2017 (CASE#2-3603182890). The complainant reported that noise was emanated from the construction Site at Victoria Park from 2300hrs to 2400hrs on 10 March 2017 and caused nuisance to nearby residents.</p> <p>ET confirmed with the Resident Site Staff that no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017.</p>	Investigation Report issued on 15 March 2017 and case closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Based on the information provided by the RSS, no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
EPD complaint Case (CASE Ref: H05/RS/00 014415-17(14448-17) dated 18 May 2017	11 May 2017	An EPD complaint referred to ET on 18 May 2017	Construction Site under Contract HK/2009/02	<p>Construction work was found on 10 May 2017 (~03:52) that caused noise nuisance.</p> <p>According to the information provided by the IEC on 11 May 2017 and 15 May 2017, it was alleged that the concreting work under Contract No. HK/2009/02 was carried out for the Central-Wan Chai Bypass Top Slab Bay 6 during night time on 09 May 2017 and early morning on 10 May 2017 (between 11:00pm on 09 May 2017 and about 04:00 a.m. on 10 May 2017) with 3 pump trucks, 10 vibrating pokers, 9 concrete trucks and 2 generators in operation.</p>	<p>An EPD complaint was referred to the ET on 18 May 2017 (CASE Ref: H05/RS/00014415-17(14448-17). The complainant reported that:</p> <p>Construction work was found on 10 May 2017 (~03:52) that caused noise nuisance. According to the photos provided by the complainant lorry mounted concrete pump were used. According to the information provided by the IEC on 11 May 2017 and 15 May 2017, it was alleged that the concreting work under Contract No. HK/2009/02 was carried out for the Central-Wan Chai Bypass Top Slab Bay 6 during night time on 09 May 2017 and early morning on 10 May 2017 (between 11:00pm on 09 May 2017 and about 04:00 a.m. on 10 May 2017) with 3 pump trucks, 10 vibrating pokers, 9 concrete trucks and 2 generators in operation. The concreting works under Contract No. CEDD HK/2009/02 was also carried out for the Central – Wan Chai Bypass Bay 10A OHVS Slab after 23:00 on 12 May 2017 (after 23:00) with 1 Pump truck, 2 vibrating pokers, 1 concrete trucks and 3 generators in operation.</p>	<p>Interim Investigation report submitted to EPD on 26 May 2017.</p> <p>EPD advised no comment on 09 Oct 2017 on the interim report submitted and case closed</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				<p>The concreting works under Contract No. CEDD HK/2009/02 was also carried out for the Central – Wan Chai Bypass Bay 10A OHVS Slab after 23:00 on 12 May 2017 (after 23:00) with 1 Pump truck, 2 vibrating pokers, 1 concrete trucks and 3 generators in operation.</p>	<p>ET confirmed with the Resident Site Staff that 10 nos. of vibratory pokers, 3 nos. of concrete pump trucks and 3 nos. of generators were in operation at Tunnel Portion 5, Top Slab 6 from 2300hrs on 09 May 2017 to 0408hrs on 10 May 2017 while 9 nos. of concrete trucks were in operation at around 0320hrs on 10 May 2017.</p> <p>2 nos. of vibratory pokers, 1 no. of concrete truck, 1 no. of concrete pump truck, and 3 nos. of generators were in operation at Tunnel Portion 5, Top Slab 6 from 2300hrs on 12 May 2017 to 2340hrs on 12 May 2017.</p> <p>According to the RSS site information, 10 nos. of vibratory pokers, 3 nos. of concrete pump trucks and 3 nos. of generator were in operation at Tunnel Portion 5, Top Slab 6 from 2300hrs on 09 May 2017 to 0408hrs on 10 May 2017 while 9 nos. of concrete trucks were in operation at around 0320hrs on 10 May 2017 and the above construction operations could not comply with the item 3a - PME requirement under the Construction Noise Permit GW-RS1297-16. In response to the information provided by the RSS/ IEC on 11 May 2017, ad-hoc inspection was conducted by the Environmental Team on 13 May 2017 around 00:40 hrs. No construction operation and no PME deployment was observed at the time of inspection.</p> <p>According to the RSS site information, 2 nos. of vibratory pokers, 1 no. of concrete pump truck, and 3 nos. of generators were in operation at Tunnel Portion 5, Top Slab 6 from 2300hrs on 12 May 2017 to 2340hrs on 12 May 2017 and could not comply with the item 3a - PME requirement under Construction Noise Permit GW-RS1297-16. In response to the information provided by the RSS/ IEC on 15 May 2017, ad-hoc inspection was conducted by the Environmental Team on 19 May</p>	



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					<p>2017 around 22:20hrs. 2 nos. of concrete truck, 1 no. of concrete pump truck were observed in operation at the time of inspection and relevant CNP GW-RS0334-17 was in place.</p> <p>Notwithstanding the above, in view of the identified non-conformance, the Contractor of HK/2009/02 was requested to implement the following rectification measures to ensure the strict construction noise permit compliance including i) fully review Construction Noise Permit in force and the tentative construction operations to ensure the strict Construction Noise Permit compliance under Noise Control Ordinance, ii) fully review the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit and iii) review the construction sequence and schedule to ensure the construction operations and PME are operated in accordance to relevant Construction Noise Period within the specified allowable period. The Contractor of HK/2009/02 is also recommended to provide briefing and training session to site staffs to enhance the site awareness and understanding on relevant construction noise permit(s) requirement during restricted hours.</p> <p>The ET/IEC/RSS will maintain ad hoc checking on the construction operations under Contract HK/2009/02 during restricted hours and report relevant findings, if any, accordingly.</p>	



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EPD complaint Case (CASE Ref: N/A) dated 23 May 2017	23 May 2017	An EPD complaint referred to ET on 25 May 2017	Construction Site under Contract HK/2009/02	Concreting works under Contract No. CEDD HK/2009/02 was carried out with crawler cranes, 10-12 vibratory pokers, and 7 concrete lorry mixers in the morning on 21 May 2017 without a valid CNP. Also, at 15:30 on 21 May 2017, 9 vibratory pokers and 7 concrete lorry mixers were observed in operation. These works were suspected to contravene the Noise Control Ordinance (NCO).	<p>An EPD complaint was referred to the ET on 25 May 2017 (CASE Ref: N/A). The complainant reported that concreting works under Contract No. CEDD HK/2009/02 was carried out with crawler cranes, 10-12 vibratory pokers, and 7 concrete lorry mixers in the morning on 21 May 2017 without a valid CNP. Also, at 15:30 on 21 May 2017, 9 vibratory pokers and 7 concrete lorry mixers were observed in operation. These works were suspected to contravene the Noise Control Ordinance (NCO).</p> <p>ET confirmed with the Resident Site Staff that 12 nos. of vibratory pokers were operated at Tunnel Portion 5 from 0730hrs to 1740hrs on 21 May 2017. 3 nos. of crawler cranes were operated at Tunnel Portion 5 from 0800hrs to 0915hrs on 21 May 2017. 3 nos. of crawler cranes were operated at Tunnel Portion 5 from 0915hrs to 1030hrs on 21 May 2017. 4 nos. of concrete pump trucks were operated at Tunnel Portion 5 from 0750hrs to 1650hrs on 21 May 2017. 4 nos. of generators were operated at Tunnel Portion 5 from 0730hrs to 1740hrs on 21 May 2017. 7 nos. of concreting trucks were operated at intervals between the time period of 0730hrs to 1740hrs on 21 May 2017.</p> <p>According to the RSS site information, the following PME's were operated on 21 May 2017, i) 12 nos. of vibratory pokers were operated at Tunnel Portion 5 from 0730hrs to 1740hrs; ii) 3 nos. of crawler cranes were operated at Tunnel Portion 5 from 0800hrs to 0915hrs; iii) 3 nos. of crawler cranes were operated at Tunnel Portion 5 from 0915hrs to 1030hrs on 21 May 2017; iv) 4 nos. of concrete pump trucks were operated at Tunnel Portion 5 from 0750hrs to 1650hrs; v) 4 nos. of generators were operated at Tunnel Portion 5 from 0730hrs to 1740hrs ; 7 nos. of concreting trucks were</p>	<p>Investigation report submitted to EPD on 02 June 2017.</p> <p>EPD advised no comment on 09 Oct 2017 on the interim report submitted and case closed</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>operated at intervals between the time period of 0730hrs to 1740hrs on 21 May 2017 and the above construction operations could not comply with the item 3a - PME requirement under the Construction Noise Permit GW-RS334-17.</p> <p>EPD notification on the cancellation of the Construction Noise Permits GW-RS0334-17 and Construction Noise Permit GW-RS1297-16 was received by the Environmental Team on 26 May 2017. Ad hoc inspection was conducted by the Environmental Team on 26 May 2017 around 2230hrs and on 28 May 2017 around 1520hrs and no construction works and no operation of PME was observed at the concerned site Portion 5 at the time of inspections. Notwithstanding the above, in view of the identified non-conformance, the Contractor of HK/2009/02 was requested to implement the following rectification measures to ensure the strict construction noise permit compliance including i) fully review Construction Noise Permit in force and the tentative construction operations to ensure the strict Construction Noise Permit compliance under Noise Control Ordinance, ii) fully review the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit and iii) review the construction sequence and schedule to ensure the construction operations and PME are operated in accordance to relevant Construction Noise Period within the specified allowable period. The Contractor of HK/2009/02 is also recommended to provide briefing and training section to site staffs to enhance the site awareness and understanding on relevant construction noise permit(s) requirement during restricted hours.</p>	



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EPD complaint Case (CASE Ref: H05/RS/00 021311-17) dated 13 July 2017	07 July 2017	EPD complaint referred to ET on 13 July 2017	Construction site near Renaissance Hong Kong Harbour View Hotel	Construction work from a construction site near Renaissance Hong Kong Harbour View Hotel was found around 2315 hrs on 26 June 2017, causing noise nuisance.	<p>An EPD complaint was referred to the ET on 13 July 2017 (CASE Ref: H05/RS/00021311-17). The complainant reported that construction work from a construction site near Renaissance Hong Kong Harbour View Hotel was found around 2315 hrs on 26 June 2017, causing noise nuisance.</p> <p>ET confirmed with the Resident Site Staff that Manual re-bar fixing works was carried out under Contract HK/2009/02 from 2300hrs to 2330hrs on 26 June 2017 at Portion 5 Bay 15 (Non - Designated Area) top slab area adjacent to the covered walkway of the Wan Chai Ferry Pier. 1 no. of generator was operated at ground level and 2 nos. of generators were operated below ground level from 2300hrs to 2400hrs on 26 June 2017. In addition 16 electric water pump were operated below ground level from 2300hrs to 2400hrs on 26 June 2017.</p> <p>Notwithstanding the information stated in above item 1), according to relevant Resident Site Staff site record, it was recorded that 1 no. of mobile crane and 1 no. of bar bender were deployed and operated at Portion 5 area (West of Wan Chai Ferry Pier) under Contract HK/2009/02 after 2300hrs on 26 July 2017. Upon warning given by WDII Resident Site staff to the Contractor of HK/2009/02, the operation of crawler crane for lifting rebar and operation of bar bender machine were suspended at around 2315hrs on 26 June 2017.</p> <p>No construction activity and site operation was carried out under Contract HK/2009/01 from 2300hrs to 2400hrs on 26 June 2017.</p> <p>According to the RSS site information, manual re-bar fixing works was carried out under Contract HK/2009/02 from 2300hrs to 2330hrs on 26 June 2017 at Portion 5 Bay 15 (Non - Designated Area)</p>	<p>Interim investigation report submitted to EPD on 21 July 2017.</p> <p>EPD advised no comment on 09 Oct 2017 on the interim report submitted and case closed</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>top slab area adjacent to the covered walkway of the Wan Chai Ferry Pier. 1 no. of generator was operated at ground level and 2 nos. of generators were operated below ground level from 2300hrs to 2400hrs on 26 June 2017 while 16 electric water pump were operated below ground level at Portion 5 Bay from 2300hrs to 2400hrs on 26 June 2017 and the relevant Construction Noise Permit GW-RS0527-17 for the above operation was in place. However, site record on the model of generators deployed on the concerned night was not available.</p> <p>Notwithstanding the above, according to relevant Resident Site Staff site record, it was recorded that 1 no. of mobile crane and 1 no. of bar bender machine were deployed and operated at Portion 5 area (West of Wan Chai Ferry Pier) under Contract HK/2009/02 after 2300hrs on 26 July 2017 without a valid Construction Noise Permit. Upon warning given by WDII Resident Site staff to the Contractor of HK/2009/02, the operation of crawler crane for lifting rebar and operation of bar bender machine were suspended at around 2315hrs on 26 June 2017. According to Contractor of HK/2009/02, the operation bar bender machine was suspended upon warning by RSS team and the operation of crawler crane was suspended upon moving to a proper location to avoid obstruction for next day work.</p> <p>Meanwhile, no construction activity and site operation was carried out under Contract HK/2009/01 from 2300hrs to 2400hrs on 26 June 2017. In view of the above operation of powered mechanical equipment under Contract HK/2009/02 beyond 2300hrs, the Contractor of HK/2009/02 was required and urged to implement the following</p>	





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					<p>remedial measures to ensure the strict construction noise permit compliance including:-</p> <p>Fully review the site control system for construction works carried out during restricted hours, in particular to ensure the frontline supervisors responsible for restricted hours construction operations are trained with comprehensive understanding on the requirement of the Construction Noise Permit in force to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit.</p> <p>To assign delegated and competent personnel on-site to conduct checking on the deployment of PMEs on-site prior and during restricted hours to ensure only PMEs allowed under relevant Construction Noise Permit would be operated.</p> <p>In addition, the following preventive measures are also recommended including the Contractor of HK/2009/02 is recommended to provide regular briefing and training session to site staffs and frontline workers to enhance the workers awareness and understanding on relevant Construction Noise Permit(s) requirement during restricted hours.</p> <p>The Contractor of HK/2009/02 is recommended to review the construction operation planning procedures to ensure relevant PME(s) required for conducting the planned operation to ensure required PME are adequate considered and covered by relevant Construction Noise Permit.</p> <p>In view of the recent concern over restricted hours construction operations, a meeting was held amongst the CEDD, the RSS team, the Contractor of HK/2009/02 and the Environmental Team on 21 July 2017 to review the site control measures and enhancement measures to be adopted for restricted hours construction operations control for</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Construction Noise Permit Compliance. A detailed implementation plan would be prepared by the Contractor of HK/2009/02 and further supplemented.	
EPD complaint Case (CASE Ref: H05/RS/00 022136-17) dated 17 July 2017  ICC complaint case (Ref: 2-4122021589) dated 14 July 2017	14 July 2017	EPD complaint referred to ET on 17 July 2017  ICC complaint referred to ET on 25 July 2017	Island Eastern Corridor near Provident Centre	Night time construction noise emanated from construction works conducted during early hours of 14 July 2017 at Island Eastern Corridor near Provident Centre.	<p>An EPD complaint was referred to the ET on 17 July 2017 (CASE Ref: H05/RS/00022136-17). The complainant reported that night time construction noise emanated from construction works conducted during early hours of 14 July 2017 at Island Eastern Corridor near Provident Centre.</p> <p>An ICC complaint case (Ref: 2-4122021589) was Referred to the ET on 25 July 2017. The complainant reported that the workers are now doing extremely noisy works at the Island Eastern Corridor near Provident Centre affecting the nearby residents.</p> <p>As the ICC complaint case refers to the noise concern at the same location at the same hours on the same date, hence the ICC case is considered as the same complaint case under the EPD complaint for investigation purpose.</p> <p>ET confirmed with the Resident Site Staff that emergency road repairing work including the repairing of movement joint at Pier 46 and three potholes along IEC Westbound was carried out under Contract HY/2009/19 around the concerned location from 0000hrs to 0600hrs on 14 July 2017. Total 1 no. of hand held breaker and 1 no. of hand held drill for grout mixing were operated.</p> <p>According to the RSS site information, emergency road repairing work including the repairing of movement joint at Pier 46 and three potholes along IEC Westbound was carried out under Contract HY/2009/19 around the concerned location from</p>	Interim report submitted to the EPD on 25 July 2017.



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					<p>0000hrs to 0600hrs on 14 July 2017. Total 1 no. of hand held breaker and 1 no. of hand held drill for grout mixing were operated. A written advance notification was issued to the EPD on 13 July 2017 regarding the aforesaid emergency road repairing works.</p> <p>In view of the public concern, the Contractor of HY/2009/19 is recommended to adopt additional noise mitigation measure for future emergency road repairing works, if any, at night time hours around the concerned location. In response to the public concern, the Contractor of HY/2009/19 would adopt the following additional measures for future emergency road repairing works including: i) For any emergency works requiring, for example, breaking or any other noisy activities, wherever possible, temporary noise barrier or acoustic mat will be use to fence of the line of sight between the noise emanating source and the NSR, ii) Covering breaking head with acoustic mat to minimize noise if breaking would be conducted and iii) complete noisy work as soon as possible to minimize disturbance to the nearby residents.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD complaint Case (CASE Ref: H05/RS/00 022835-17) dated 21 July 2017	20 July 2017	EPD complaint referred to ET on 21 July 2017	Construction site near Renaissance Hong Kong Harbour View Hotel and Wanchai Pier	Mechanical noise was emanated from a construction site near Renaissance Hong Kong Harbour View Hotel and Wanchai Pier from late night till dawn recently, causing noise nuisance.	<p>An EPD complaint was referred to the ET on 21 July 2017 (CASE Ref: H05/RS/00022835-17). The complainant reported that mechanical noise was emanated from a construction site near Renaissance Hong Kong Harbour View Hotel and Wanchai Pier from late night till dawn recently, causing noise nuisance.</p> <p>ET confirmed with the Resident Site Staff that unloading of fill material was conducted under Contract HK/2009/02 at WCR3 area (West of Wan Chai Ferry Pier) from 2300hrs on 19 July 2017 to 0540hrs on 20 July 2017. 1 no. of grab dredger was operated for the above construction works.</p> <p>No construction activities or site operation was conducted under Contract HK/2009/01 from 2300hrs on 19 July 2019 to 0700hrs on 20 July 2017.</p> <p>According to the RSS site information, unloading of fill material was conducted under Contract HK/2009/02 at WCR3 area (West of Wan Chai Ferry Pier) from 2300hrs on 19 July 2017 to 0540hrs on 20 July 2017. 1 no. of grab dredger was operated for the above construction works and relevant Construction Noise Permit GW-RS0348-17 was in place and noise barrier with surface mass density of not less than 5kg/m2 was provided to the power generating part of the grab dredger operated from 2300hrs on 19 July 2017 to 0540hrs on 20 July 2017. Meanwhile, no construction activities or site operation was conducted under Contract HK/2009/01 from 2300hrs on 19 July 2019 to 0700hrs on 20 July 2017.</p> <p>In view of the public concern, the Contractor of HK/2009/02 was reminded to upkeep the site</p>	<p>Interim report submitted to EPD on 26 July 2017.</p> <p>EPD advised no comment on 09 Oct 2017 on the interim report submitted and case closed</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance and maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.	
ICC complaint Case (CASE Ref: #2-416246715 1) dated 25 July 2017	25 July 2017	ICC complaint referred to ET on 26 July 2017	CEDD Construction Site near Wanchai Ferry Pier	No watering system was provided to the excavation works conducted at a CEDD Construction Site near Wanchai Ferry Pier resulting in dust impact to the public area beyond site hoarding.	<p>An ICC complaint was referred to the ET on 26 July 2017 (CASE Ref: #2-4162467151). The complainant reported that no watering system was provided to the excavation works conducted at a CEDD Construction Site near Wanchai Ferry Pier resulting in dust impact to the public area beyond site hoarding.</p> <p>ET confirmed with the Resident Site Staff that breaking works and backfilling works were conducted under Contract HK/2009/02 at the concerned location on 25 July 2017 afternoon.</p> <p>Dust mitigation measures including water spraying was implemented for the above construction activities on 25 July 2017 at the concerned location.</p> <p>According to the RSS site information, breaking works and backfilling works were conducted under Contract HK/2009/02 at the concerned location on 25 July 2017 afternoon while dust mitigation measures including water spraying was implemented for the above construction activities on 25 July 2017 at the concerned location. During Environmental Team ad hoc inspection conducted on 26 July 2017, water spraying was found insufficient to mitigate the extended area of breaking operation and construction dust impact to surroundings public area was observed.</p>	Investigation report issued on 04 August 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Subsequently, Contractor of HK/2009/02 was reminded to enhance the dust suppression measure for the dust generating works.</p> <p>In response to the observed environmental concern, the Contractor of HK/2009/02 has strengthened the water spraying coverage to all breaking operation area and haul road to minimize the potential dust impact. Follow up inspection was conducted by Environmental Team on 27 July 2017 and no further dust impact was observed.</p>	
EPD complaint Case (CASE Ref: N/A) dated 06 September 2017	24 August 2017	EPD complaint referred to ET on 06 September 2017	Portion 5 (West of Wanchai Ferry Pier) under Contract HK/2009/02	Site inspection record regarding improper dust suppression measure during excavation	<p>EPD complaint regarding the inspection report issued by the EPD on 24 August 2017 on improper dust suppression measure during excavation was referred to the ET on 06 September 2017. As clarified with the EPD, the concerned location of the observation refers to Portion 5 (West of Wanchai Ferry Pier).</p> <p>ET confirmed with the Resident Site Staff that backfilling and compaction works were conducted under Contract HK/2009/02 for CWB Tunnel at the concerned location at Portion 5 (West of Wanchai Ferry Pier). According to RSS information, dust suppression measures including water spraying for stockpile stored on site was generally implemented by the Contractor of HK/2009/02 while it was observed and considered that the extent of water spraying was insufficient on 24 August 2017 at the aforesaid location.</p> <p>Follow up inspection was conducted by the Environmental Team on 08 September 2017. Concerned stockpile of dusty materials at the concerned location at Portion 5 was observed removed from site and mitigation measure including compaction and water spraying for exposed soil surface at Portion 5 were implemented and no particular dust impact was</p>	Investigation report issued on 15 September 2017. EPD advised no comment on 09 Oct 2017 on the interim report submitted and case closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>observed at the concerned location at Portion 5. Subsequent follow up inspection was conducted by the Environmental Team on 11 September 2017. Exposed surface at construction site area Portion 5 was observed compacted and partially maintained in dampened condition. Despite no particular dust impact was observed, the Contractor of HK/2009/02 was further advised to review the site condition and adequately implement the following construction dust mitigation measures, as appropriate, to avoid potential dust impact to the surroundings:-</p> <p>Exposed earth shall be properly treated by compaction, turfing, hydro seeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within 6 months after the last construction activity on the construction site or part of the construction site where the exposed earth lies to avoid potential dust impact;</p> <p>Stockpile of dusty materials, if any, shall be either covered entirely by impervious sheeting; or placed in an area sheltered on the top and the 3 sides; or sprayed with water or a dust suppression chemical so as to maintain the entire surface wet and;</p> <p>Construction site surface with dusty materials should be sprayed with water to maintain entire surface wet to avoid potential dust impact to the surroundings.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC complaint Case (CASE Ref: #2-4242073505) dated 18 September 2017	18 September 2017	ICC complaint referred to ET on 19 September 2017	A section of Island East Corridor opposite to Victoria Park	On recent Sundays during midnight hours, noise were emanated from road construction works and excavators for consecutive hours without any noise mitigation measures.	<p>ICC complaint referred by RSS was received by ET on 19 September 2017 (CASE#2-4242073505). The complainant reported that on recent Sundays during midnight hours, noise were emanated from road construction works and excavators for consecutive hours without any noise mitigation measures.</p> <p>ET confirmed with the Resident Site Staff that Reinstatement of movement joint at Island East Corridor Westbound Carriageway was conducted under Contract HY/2010/08 between 0000hrs to 0700hrs on 10 September 2017(Sunday) and 17 September 2017(Sunday). Powered Mechanical Equipment (PME) including 2 nos. of electric breakers, 2 nos. of portable generator, 1 no. of saw cut machine, 2 nos. of grab lorry, 1 no. of mini concrete mixer, 1 no. of welding set and 1 no. of poker vibrator were deployed in separate groups between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017. Amongst the above, 2 nos. of electric breakers and 1 no. of saw cut machine were operated only between 0000hrs to 0200hrs and 1 no. of poker vibrator was only operated beyond 0600hrs.</p> <p>Noise Mitigation measure including acoustic enclosure were provided locally for the use of electric breaker, portable generator and saw cut machine between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017.</p> <p>xix. ET confirmed with the Resident Site Staff that reinstatement of movement joint at Island East Corridor Westbound Carriageway was conducted under Contract HY/2010/08 between 0000hrs to 0700hrs on 10 September 2017(Sunday) and 17</p>	Final Investigation report issued on 30 September 2017 and case closed.





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>September 2017(Sunday). Powered mechanical equipment (PME) including 2 nos. of electric breakers, 2 nos. of portable generator, 1 no. of saw cut machine, 2 nos. of grab lorry, 1 no. of mini concrete mixer, 1 no. of welding set and 1 no. of poker vibrator were deployed in separate PME groups between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017. Amongst the above, 2 nos. of electric breakers and 1 no. of saw cut machine were operated only between 0000hrs to 0200hrs and 1 no. of poker vibrator was only operated beyond 0600hrs on 10 and 17 September 2017. Noise Mitigation measure including acoustic enclosure were provided locally for the use of electric breaker, portable generator and saw cut machine between 0000hrs to 0700hrs on 10 September 2017 and 17 September 2017.</p> <p>Based on the site information, the aforesaid PMEs were deployed under the Construction Noise Permit GW-RS0697-17 while it was found the PMEs were deployed beyond the specified area under the Construction Noise Permit GW-RS0697-17. It was further found that operation of grab lorry for the removal of concrete debris was conducted beyond the specified period allowed under condition 4.d.2 of Construction Noise Permit GW-RS0697-17. Additionally, based on the site layout and the operation location of 2 nos. of electric breakers, it is considered that the operation of the two electric hand held breakers could not fulfil the condition 3.d.7. under Construction Noise Permit GW-RS0697-17.</p> <p>In view of the above findings, the Contractor of HY/2010/08 was requested to immediately</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					implement the following rectification measures to ensure the strict compliance with the Noise Control Ordinance including i) Critically review the Construction Noise Permit(s) in force and renew the Construction Noise Permit(s), if necessary, for the tentative construction operations to ensure the strict compliance with the Construction Noise Permit under Noise Control Ordinance, ii) Review the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit and iii) Fully review the construction method, sequence and schedule to ensure the construction operations and associated PMEs are operated within the specified allowable period in accordance with the relevant Construction Noise Permit.	
ICC complaint (CASE Ref: #2-4320996036) dated 08 November 2017	08 November 2017	An ICC complaint was referred by RSS to the ET on 13 November 2017	Construction works area opposite to City Garden Block 9	Noise was emanated from construction works during morning hours from 0300hrs to 0500hrs and metal hammering noise was still emanated at night time	<p>An ICC complaint was referred by RSS to the ET on 13 November 2017 (CASE Ref: #2-4320996036). The complainant reported that noise was emanated from construction works conducted opposite to City Garden Block 9 during morning hours from 0300hrs to 0500hrs and metal hammering noise was still emanated at night time causing nuisance to nearby residence.</p> <p>ET confirmed with the Resident Site Staff that night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 40 around the concerned location from 0300hrs to 0500 hrs on 07 November 2017. Crane lorry for panel removal and hand tools for fixing of nuts were deployed with relevant Construction Noise Permit GW-RS0837-17. No construction works was conducted under Contract HY/2009/19 from 1900hrs to 2300hrs on 07 November 2017. Night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 38 around the concerned location from 0300hrs to 0500hrs on 08 November 2017. Crane lorry for panel removal and hand tools for fixing of nuts were deployed</p>	Investigation Report issued on 23 November 2017 and case closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>with relevant Construction Noise Permit GW-RS0837-17.</p> <p>Night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 40 around the concerned location from 0300hrs to 0500 hrs on 07 November 2017. Crane lorry for panel removal and hand tools for fixing of nuts were deployed. Night work including nut fixing works for post supporting bracket of noise enclosure was conducted under Contract HY/2009/19 at IECL westbound bridge Pier 38 around the concerned location from 0300hrs to 0500hrs on 08 November 2017 and crane lorry for panel removal and hand tools for fixing of nuts were deployed. Relevant Construction Noise Permit GW-RS0837-17 was in placed for the above construction activities conducted under Contract HY/2009/19 outside the Designated Area zone under Noise Control Ordinance. No construction works was conducted under Contract HY/2009/19 from 1900hrs to 2300hrs on 07 November 2017. In view of the public concern, the Contractor of HY/2009/19 is recommended to adopt soft face hammer to minimize potential noise emanation during works and ii) minimize potential bumping sound with the ground by good practice of material handling to reduce the potential nuisance caused to the surrounding residents. The Contractor of HY/2009/19 was further reminded to observe and strictly follow condition 3.d.7 under relevant Construction Noise Permit GW-RS0837-17.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD complaint (Case ref: H08/RS/00037826-17) dated 24 November 2017	21 November 2017	An EPD complaint (Case ref: H08/RS/00037826-17) referred to the ET on 24 November 2017	North Point New Reclamation Area, Oil Street, North Point.	Noise was emanated from construction works conducted at around 2200hrs	<p>An EPD complaint (Case ref: H08/RS/00037826-17) was referred to the ET on 24 November 2017. The complainant reported that noise was emanated from construction works conducted at around 2200hrs at North Point New Reclamation Area, Oil Street, North Point.</p> <p>ET confirmed with the Resident Site Staff that welding works to the steel strut at Approach Ramp Phase 2 (Portion X) were conducted under Contract HY/2009/19 on 20 November 2017 and total 3 nos. of welding machines were operated until 2130hrs. No works was conducted between 2130hrs to 2230hrs on 20 November 2017. No construction works was conducted under HY/2011/08 on 20 November 2017 between 2130hrs to 2230hrs.</p> <p>Welding works to the steel strut at Approach Ramp Phase 2 (Portion X) were conducted under Contract HY/2009/19 on 20 November 2017 and total 3 nos. of welding machines were operated until 2130hrs. No works was conducted between 2130hrs to 2230hrs on 20 November 2017. Meanwhile, no construction works was conducted under HY/2011/08 on 20 November 2017 between 2130hrs to 2230hrs.</p> <p>Nevertheless, the Contractor of HY/2011/08 and the Contractor of HY/2009/19 were reminded to maintain proper site control and all construction activities to be conducted during restricted hours shall follow relevant Construction Noise Permit.</p>	<p>Interim investigation report submitted to EPD on 08 December 2017.</p> <p>Under EPD Review</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD complaint (H05/RS/39721-17) dated 15 December 2017	08 December 2017	An EPD complaint (Case Ref: H05/RS/39721-17) referred to ET on 15 December 2017	Construction site near the HKCEC and Wanchai Pier	Construction dust was generated from rock breaking activities of a construction site	<p>An EPD complaint was referred to the ET on 14 December 2017 (CASE Ref: H05/RS/39721-17). The complainant reported that construction dust was generated from rock breaking activities of a construction site near the HKCEC and Wanchai Pier on 08 December 2017 (0815hrs), causing nuisance.</p> <p>ET confirmed with the Resident Site Staff that breaking works and backfilling works were conducted under Contract HK/2009/02 at Portion 5 (Site Area near Wanchai Ferry Pier) on 08 December 2017 around 0815hrs and mitigation measure including water spraying was provided for the breaking works. According to the RSS site information, breaking works and backfilling works were conducted under Contract HK/2009/02 at Portion 5 (Site Area near Wanchai Ferry Pier) on 08 December 2017 around 0815hrs and mitigation measure including water spraying was provided for the breaking works. Follow up inspection was conducted on 19 December 2017, ground compaction and intermittent breaking works was observed while dust suppression was observed implemented at intervals under Contractor of HK/2009/02 while no particular dust emission was observed from the above works. Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded that adequate dust suppression measure shall be provided for breaking works and dusty surface to avoid dust emission and minimize any potential dust impact to the surroundings. The Contractor of HK/2009/02 is also recommended to arrange the breaking works, if any, to be conducted collectively at specified location to enhance the overall site control and effectiveness of dust suppression measure. The Contractor is also recommended to review the use of water truck or automatic water spraying system to enhance the overall dust suppression effectiveness.</p>	<p>Interim investigation report submitted to EPD on 21 December 2017.</p> <p>EPD advised on 08 Jan 2018 no comment on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD complaint (H08/RS/00000972-18) dated 11 January 2018	08 January 2018	An EPD complaint (Case Ref: H08/RS/00000972-18) referred to ET on 11 January 2018	North Point new Reclamation Area. Oil Street	Night time construction noise after 7pm	<p>An EPD complaint (Case ref: H08/RS/00000972-18) was referred to the ET on 11 January 2018. The complainant reported that night time construction noise after 7 pm near North Point New Reclamation Area, Oil Street, North Point.</p> <p>ET confirmed with the Resident Site Staff that no construction works was conducted under Contract HY/2011/08 on 08 January 2018 from 1900hrs to 2300hrs at the concerned location. Concreting operation was conducted under Contract HY/2009/19 at Approach Ramp Phase 2 site area at Oil Street on 08 January 2018 from 1900hrs to 2030hrs. Total 1 no. of concrete truck, 1 no. of concrete pump and 2 nos. of vibratory pokers were in operation.</p> <p>According to RSS confirmed information, no construction works was conducted under Contract HY/2011/08 on 08 January 2018 from 1900hrs to 2300hrs at the concerned location. Meanwhile, concreting operation was conducted under Contract HY/2009/19 at Approach Ramp Phase 2 site area at Oil Street on 08 January 2018 from 1900hrs to 2300hrs. Total 1 no. of concrete truck, 1 no. of concrete pump and 2 nos. of vibratory pokers were operated without a valid Construction Noise Permit.</p> <p>In view of the above, the Contractor of HY/2009/19 was advised to i) fully review the Construction Noise Permit(s) in force and the tentative construction operations to ensure all construction operations during restricted hours strictly complies with the Construction Noise Permit and Noise Control Ordinance, ii) review the site control system for construction works during restricted hours and tighten the site supervision to ensure site compliance; iii) review the planned construction sequence and schedule to ensure all planned construction operations would be conducted within allowable period, shall any planned construction activities might extend beyond the specified allowed period, relevant necessary Construction Noise Permit(s) shall be applied for. In addition, the Contractor of HY/2009/19 is also recommended to provide briefing and training session to site staffs to enhance the site awareness and understanding on relevant construction</p>	Interim investigation report submitted to EPD on 23 January 2018.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					noise permit(s) requirement during restricted hours.  Follow up inspection during restricted hours was conducted by the Environmental Team on 18 January 2018, no construction operations was observed around the concerned location	
EPD complaint (H08/RS/000 01430-18) dated 17 January 2018	15 January 2018	An EPD complaint (Case Ref: H08/RS/00001430-18) referred to ET on 17 January 2018	2-8 Watson Road	Construction Dust was emitted from vehicles entering/ leaving construction site at 2-8 Watson Road	<p>An EPD complaint (Case ref: H08/RS/00001430-18) was referred to the ET on 17 January 2018. The complainant reported that construction dust was emitted from vehicles entering/leaving construction site at 2-8 Watson Road.</p> <p>ET confirmed with the Resident Site Staff that cable laying was conducted under Contract HY/2011/08 within the site area near Watson Road on 15 January 2018.</p> <p>No construction works was conducted under Contract HY/2009/19 near Watson Road on 15 January 2018.</p> <p>According to site information confirmed by RSS, cable laying was conducted under Contract HY/2011/08 within the site area near Watson Road on 15 January 2018 and no construction works was conducted under Contract HY/2009/19 near Watson Road on 15 January 2018. Based on review on relevant information, the concerned location of 2 – 8 Watson Road refers to a section of public road fronting the construction site entrance/ exit maintained by Contract HY/2009/19 at Watson Road.</p> <p>Follow up inspection was conducted by the Environmental Team on 17 January 2018. It was observed that wheel washing facilities and wheel washing for vehicles leaving from the construction site exit adjoining Watson Road was implemented by the Contractor HY/2009/19. No silt / soil deposition and no particular dust emission from the construction area under Contract HY/2009/19 and HY/2011/08 was observed. Separately, it was observed that non-CWB project construction waste skip containing dusty demolition waste and rubbles was placed at the concerned section of public road at 2 – 8 Watson Road and it was further noticed that non-CWB project construction area demarcation material was stored at 2-8 Watson road suggesting other non-CWB Projects had been undertaken around the concerned location.</p>	Interim investigation report submitted to EPD on 29 January 2018.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Nevertheless, in view of the public concern, the Contractor of HY/2011/08 and the Contractor of HY/2009/19 were reminded to maintain the dust mitigation measures provided for the construction site and construction operation to avoid potential dust impact to the surroundings. The Contractor of HY/2009/19 was also reminded to upkeep the construction site exit control and wheel washing practice to maintain the proper condition of site entrance to avoid potential dust impact to the nearby public area.	
ICC complaint (CASE Ref: #2-4459226093) dated 03 February 2018	3 February 2018	ICC complaint (CASE Ref: #2-4459226093) dated 03 February 2018	Planter Area at Victoria Park boundary adjacent to footbridge to Victoria Park Road	Concern on an observed severely tilted tree with potential felling hazard. No fencing, no tree pit, trench and no irrigation pipe is observed	<p>An ICC complaint referred by RSS was received by ET on 06 February 2018 (CASE#2-4459226093). The complainant reported that there is concern on an observed severely tilted tree with potential felling hazard. No fencing, no tree pit, trench and no irrigation pipe is observed.</p> <p>ET confirmed with Resident Site Staff that the concerned tree is within the works area of HY/2010/08 and one of the roots of the concerned tree (<i>Liquidambar formosana</i>) to have suffered minor damaged by the nearby excavation works.</p> <p>Remedial works including i) nylon reinforcement ropes has been added to the existing 3 nos. of tying cables and covering of the slope surface with wet hessian for protection were carried out for the damaged root of the tree. Follow up inspection was conducted by the Environmental Team on 09 February 2018. It was observed that the concerned tree has been fortified and protected for restoration and no tilting was observed.</p> <p>In view of the nearby construction works, the Contractor is suggested to demarcate the tree protection zone for the concerned tree and fence off the tree protection zone to avoid further damage and placing of construction material, if feasible. The Contractor is also suggested to provide refreshment training for frontline works for tree protection, in particular, for trees retained of site in close proximity to active works front to avoid potential damage to retained trees</p>	Investigation Report issued on 26 February 2018 and case closed





***Appendix 6.2***

*Summary for Notification of Exceedance*

Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_16N109	4-Dec-17	13:45	M1a-Footbridge at Ex Harbour Road Sports Centre	78	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation works and hammering immediately next to the monitoring station was observed as the major noise contribution during monitoring.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Backfilling and minor breaking works were conducted by Contract HK/2009/02 around the concerned location with a few and non-continuous breaking actions observed during measurement. Acoustic screening of breaker tip was implemented by Contract HK/2009/02 and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation works and hammering next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adequate noise mitigation measure around the concerned location to avoid potential cumulative impact.</p>
X_16N110	4-Dec-17	13:45	M1a-Footbridge at Ex Harbour Road Sports Centre	78	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation works and hammering immediately next to the monitoring station was observed as the major noise contribution during monitoring.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while non WDII-CWB excavation works and hammering next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.</p>
X_16N111	8-Dec-17	10:10	M6-HK Baptist Church Henrietta Secondary School	69	Leq(30min)	when one documented complaint was received.	65	<p>Possible reason: Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p>Action taken / to be taken: Reviewed the trend of noise measurement. Analysis of contractor's working procedure</p> <p>Remarks / Other Obs: Despite installation of sign gantry, transportation of rebars and house keeping work were conducted under HY/2009/19 around the monitoring location and nearby traffic noise was observed as major noise source during monitoring. As such, the exceedance was considered as non-Project related.</p>
X_16N113	11-Dec-17	10:15	M1a-Footbridge at Ex Harbour Road Sports Centre	77	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Backfilling and minor breaking works were conducted by Contract HK/2009/02 around the concerned location with a few and non-continuous breaking actions observed during measurement. Acoustic screening of breaking tip was implemented by Contract HK/2009/02 and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adequate noise mitigation measure around the concerned location to avoid potential cumulative impact.</p>

Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level when one documented complaint was received.	Limit Level dB(A)	Follow-up action
X_16N114	11-Dec-17	10:15	M1a-Footbridge at Ex Harbour Road Sports Centre	77	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB breaking works next to the monitoring station was observed as the major noise contribution during monitoring.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.</p>
X_16N115	20-Dec-17	10:10	M6-HK Baptist Church Henrietta Secondary School	69	Leq(30min)	when one documented complaint was received.	65	<p>Possible reason: Breaking works at IECL was observed during monitoring and was considered as the major noise contribution.</p> <p>Action taken / to be taken: Immediate repeat measurement was conducted to confirm the result at the same location . The construction noise level of repeated measurement at the same location on the same date was: <b>20 December 2017 at 10:50 69.3dB(A)</b>. Contractor was advised to prepare and submit the remediation plan for the concerned construction works.</p> <p>Remarks / Other Obs: Additional monitoring was conducted on <b>21 December 2017 10:50 70dB(A)</b> during non-examination period. No further exceedance was recorded.</p> <p>Breaking of paving surface at Pier F5 and F6 under Contract HY/2009/19 was conducted during the measurement on 20 December 2017 and breaking operation behind the IECL noise enclosure was observed as the major noise influence during measurement. Hence, the exceedance was considered as Project related. In view of the adjustment of limit level on the subsequent monitoring date with respect to the completion of school examination, no further exceedance was recorded during additional monitoring conducted on 21 December 2017 at the concerned location. Nevertheless, the Contractor of HY/2009/19 was advised to adopt additional noise mitigation measure for future breaking works, if any, at the concerned location during examination period, such as provision of localized movable noise barrier to ensure that the nearby noise sensitive receiver would not be adversely affected.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A069	11-Dec-17	8:00	CMA5b- Pedestrian Plaza	229.2	24hr TSP (ug/m <sup>3</sup> )	181.0	260	<b>Possible reason:</b> TSP level potentially in relate to the ambient condition around the monitoring station.
	12-Dec-17	9:30	CMA5b- Pedestrian Plaza	397.6	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b>  No construction works was undertaken around the monitoring location on the monitoring date under Contractor of HK/2009/01 and no particular observation regarding dust emission was observed during sampling.  Meanwhile, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. According to the EPD monitoing record, AQHI recorded at the Causeway Bay station was recorded as Lv4 - Lv7 on 11 Decmeber 2017 and recorded as Lv6 on 12 December 2017 during the monitoring period indicating the adverse ambient condition. In addition, similar elevation in TSP level were recorded across the same period on 11 December 2017 at other Project AQM stations including CMA6a at Wanchai and CMA3a at Causeway Bay area suggesting overall air quality within the district was under influence of ambient pollutant.  In view of the above, the exceedance was considered to not related to the Project work under HK/2009/01 and generally contributed by ambient air quality condition. Nevertheless, the Contractor of HK/2009/01 was reminded to provide dust suppression measures for any potential dusty surface and dust generating operation if required around the concerned location to avoid any potential cumulative air quality impact.



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A070	11-Dec-17	8:00	CMA5b- Pedestrian Plaza	229.2	24hr TSP (ug/m <sup>3</sup> )	181.0	260	<b>Possible reason:</b> TSP level potentially in relate to the ambient condition around the monitoring station.
	12-Dec-17	9:30	CMA5b- Pedestrian Plaza	397.6	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b>  Installation of steel roof and architectural builders works and finishes at MVB were undertaken around the monitoring location under Contract HY/2011/08 on the monitoring date and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of haul road were generally implemented.  Meanwhile, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. According to the EPD monitoing record, AQHI recorded at the Causeway Bay station was recorded as Lv4 - Lv7 on 11 Decmeber 2017 and recorded as Lv6 on 12 December 2017 during the monitoring period indicating the adverse ambient condition. In addition, similar elevation in TSP level were recorded across the same period on 11 December 2017 at other Project AQM stations including CMA6a at Wanchai and CMA3a at Causeway Bay area suggesting overall air quality within the district was under influence of ambient pollutant.  In view of the above, the exceedance was considered not related to Project works and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HY/2011/08 was reminded to provided regularly dust suppression measures if any potential dust generating operation around the concerned location would be required to avoid any potential cumulative air quality impact.



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A071	11-Dec-17	8:00	CMA5b- Pedestrian Plaza	229.2	24hr TSP (ug/m <sup>3</sup> )	181.0	260	<b>Possible reason:</b> TSP level potentially in relate to the ambient condition around the monitoring station.
	12-Dec-17	9:30	CMA5b- Pedestrian Plaza	397.6	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b> Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implemented by the Contractor of HK/2012/08. Meanwhile, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. According to the EPD monitoing record, AQHI recorded at the Causeway Bay station was recorded as Lv4 - Lv7 on 11 Decmeber 2017 and recorded as Lv6 on 12 December 2017 during the monitoring period indicating the adverse ambient condition. In addition, similar elevation in TSP level were recorded across the same period on 11 December 2017 at other Project AQM stations including CMA6a at Wanchai and CMA3a at Causeway Bay area suggesting overall air quality within the district was under influence of ambient pollutant. In view of the above, the exceedance was considered to be not related to the Project works under Contract HK/2012/08 and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HK/2012/08 was advised to strengthen the overall dust suppression control measures to ensure all dusty surface and stockpile are covered or dampened to avoid potential dust emission.
X_16A072	23-Dec-17	9:55	CMA5b- Pedestrian Plaza	358.6	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Possible reason:</b> TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.
								<b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b> No construction works was undertaken around the monitoring location on the monitoring date under Contractor of HK/2009/01 and no particular observation regarding dust emission was observed during sampling. Meanwhile, non WDII-CWB Project excavation material handling was observed opposite to the monitoring station on the monitoring date. In addition, elevated PM2.5 and PM10 level were recorded at the EPD Causeway Bay monitoring station across the monitoring period suggesting the meterological condition at the time of monitoring may not favour the dispersion of ambient air pollutant within the district and hence affecting the air quality. In view of the above, the exceedance was considered to not related to the Project work under HK/2009/01 and generally contributed by ambient air quality condition. Nevertheless, the Contractor of HK/2009/01 was reminded to provide dust suppression measures for any potential dusty surface and dust generating operation if required around the concerned location to avoid any potential cumulative air quality impact.



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A073	23-Dec-17	9:55	CMA5b- Pedestrian Plaza	358.6	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.</p> <p><b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p><b>Remarks / Other Obs:</b> Installation of steel roof and architectural builders works and finishes at MVB were undertaken around the monitoring location under Contract HY/2011/08 on the monitoring date and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of haul road were generally implemented.</p> <p>Meanwhile, non WDII-CWB Project excavation material handling was observed opposite to the monitoring station on the monitoring date. In addition, elevated PM2.5 and PM10 level were recorded at the EPD Causeway Bay monitoring station across the monitoring period suggesting the meteorological condition at the time of monitoring may not favour the dispersion of ambient air pollutant within the district and hence affecting the air quality.</p> <p>In view of the above, the exceedance was considered not related to Project works and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HY/2011/08 was reminded to provided regularly dust suppression measures if any potential dust generating operation around the concerned location would be required to avoid any potential cumulative air quality impact.</p>
X_16A074	23-Dec-17	9:55	CMA5b- Pedestrian Plaza	358.6	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.</p> <p><b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p><b>Remarks / Other Obs:</b> Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implimented by the Contractor of HK/2012/08.</p> <p>Meanwhile, non WDII-CWB Project excavation material handling was observed opposite to the monitoring station on the monitoring date. In addition, elevated PM2.5 and PM10 level were recorded at the EPD Causeway Bay monitoring station across the monitoring period suggesting the meteorological condition at the time of monitoring may not favour the dispersion of ambient air pollutant within the district and hence affecting the air quality.</p> <p>In view of the above, the exceedance was considered to be not related to the Project works under Contract HK/2012/08 and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HK/2012/08 was advised to strengthen the overall dust suppression control measures to ensure all dusty surface and stockpile are covered or dampened to avoid potential dust emission.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action	
X_18A001	29-Dec-17	10:15	CMA5b- Pedestrian Plaza	430.0	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Possible reason:</b>	TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.
								<b>Action taken / to be taken:</b>	Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b>	<p>No construction works was undertaken around the monitoring location on the monitoring date under Contractor of HK/2009/01 and no particular observation regarding dust emission was observed during sampling.</p> <p>Meanwhile, non WDII-CWB Project construction works was observed opposite to the monitoring station on the monitoring date.</p> <p>In view of the above, the exceedance was considered to not related to the Project work under HK/2009/01 and generally contributed by ambient air quality condition and nearby traffic exhaust. Nevertheless, the Contractor of HK/2009/01 was reminded to provide dust suppression measures for any potential dusty surface and dust generating operation if required around the concerned location to avoid any potential cumulative air quality impact.</p>
X_18A002	29-Dec-17	10:15	CMA5b- Pedestrian Plaza	430.0	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Possible reason:</b>	TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.
								<b>Action taken / to be taken:</b>	Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b>	<p>Installation of steel roof and architectural builders works and finishes at MVB were undertaken around the monitoring location under Contract HY/2011/08 on the monitoring date and no particular observation regarding air quality impact was observed during sampling and mitigation measure including dampening of haul road and provision of wheel washing were generally implemented.</p> <p>Meanwhile, non WDII-CWB Project construction works was observed opposite to the monitoring station on the monitoring date.</p> <p>In view of no particular dust emission is considered from the Project works, the exceedance was considered not related to Project works and potentially contributed by ambient air quality condition and nearby traffic exhaust. Nevertheless, the Contractor of HY/2011/08 was reminded to provided regularly dust suppression measures if any potential dust generating operation around the concerned location would be required to avoid any potential cumulative air quality impact.</p>
X_18A003	29-Dec-17	10:15	CMA5b- Pedestrian Plaza	430.0	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<b>Possible reason:</b>	TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.
								<b>Action taken / to be taken:</b>	Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.
								<b>Remarks / Other Obs:</b>	<p>Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implmented by the Contractor of HK/2012/08.</p> <p>Meanwhile, non WDII-CWB Project construction works was observed opposite to the monitoring station on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be not related to the Project works under Contract HK/2012/08 and potentially contributed by ambient air quality condition and nearby traffic exhaust. Nevertheless, the Contractor of HK/2012/08 was advised to strengthen the overall dust suppression control measures to ensure all dusty surface and stockpile are covered or dampened to avoid potential dust emission.</p>





Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level when one documented complaint was received.	Limit Level dB(A)	Follow-up action
X_18N002	29-Dec-17	13:50	M1a-Footbridge at Ex Harbour Road Sports Centre	76	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation works next to the monitoring station was observed as the major noise contribution during monitoring with mechanical operation directly next to noise monitoring position.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Excavation were conducted by Contract HK/2009/02 around the concerned location and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation works immediately next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adopt noise mitigation measure, if necessary, around the concerned location to avoid potential cumulative impact.</p>
X_18N003	29-Dec-17	13:50	M1a-Footbridge at Ex Harbour Road Sports Centre	76	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation works next to the monitoring station was observed as the major noise contribution during monitoring with mechanical operation directly next to noise monitoring position.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while non WDII-CWB excavation works immediately next to the monitoring station was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.</p>
X_18N005	16-Jan-18	13:45	M1a-Footbridge at Ex Harbour Road Sports Centre	78	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB steel frame erection works with hammering next to the monitoring station was observed as the major noise contribution during monitoring.</p> <p>Action taken / to be taken: A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.</p> <p>Remarks / Other Obs: Despite backfilling work by excavator was conducted by Contract HK/2009/02 around the concerned location during the time of measurement, no major noise emanation from the works was observed during monitoring. Meanwhile, steel frame erection and hammering were conducted by non-WDII-CWB contractor next to the monitoring station and considered as the major noise contribution during monitoring. As such, the exceedance was considered as not relate to Project works under HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adopt noise mitigation measure, if necessary, around the concerned location to avoid potential cumulative impact.</p>



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_18N006	16-Jan-18	13:45	M1a-Footbridge at Ex Harbour Road Sports Centre	78	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB steel frame erection works with hammering next to the monitoring station was observed as the major noise contribution during monitoring.</p> <p>Action taken / to be taken: A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.</p> <p>Remarks / Other Obs: No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while steel frame erection and hammering were conducted by non-WDII-CWB contractor next to the monitoring station and considered as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.</p>
X_18N008	23-Jan-18	13:15	M1a-Footbridge at Ex Harbour Road Sports Centre	88	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB breaking works next to the monitoring station was observed as the major noise contribution during monitoring with mechanical operation directly next to noise monitoring position.</p> <p>Action taken / to be taken: A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.</p> <p>Remarks / Other Obs: Despite trench excavation work was conducted by Contract HK/2009/02 around the concerned location during the time of measurement, no major noise emanation from the works was observed during monitoring. Meanwhile, breaking works by excavator mounted breaker was conducted under non-WDII-CWB contractor next to the monitoring station and observed as the major noise contribution during monitoring. As such, the exceedance was considered as not relate to Project works under HK/2009/02.</p>
X_18N009	23-Jan-18	13:15	M1a-Footbridge at Ex Harbour Road Sports Centre	88	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB breaking works next to the monitoring station was observed as the major noise contribution during monitoring with mechanical operation directly next to noise monitoring position.</p> <p>Action taken / to be taken: A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.</p> <p>Remarks / Other Obs: No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while breaking works by excavator mounted breaker was conducted under non-WDII-CWB contractor next to the monitoring station and observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.</p>



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action	
X_18N012	2-Feb-18	10:00	M1a-Footbridge at Ex Harbour Road Sports Centre	81	Leq(30min)	when one documented complaint was received.	75	Possible reason:	Non WDII-CWB excavation works and hammering immediately next to the monitoring station was observed as the major noise contribution during monitoring.
								Action taken / to be taken:	A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.
								Remarks / Other Obs:	No construction work was conducted by Contract HK/2009/01 around the concerned location during the time of measurement while excavation works and hammering were conducted under non-WDII-CWB contractor next to the monitoring station and observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/01.



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action	
X_18N011	2-Feb-18	10:00	M1a-Footbridge at Ex Harbour Road Sports Centre	81	Leq(30min)	when one documented complaint was received.	75	Possible reason:	Non WDII-CWB excavation works and hammering immediately next to the monitoring station was observed as the major noise contribution during monitoring.
								Action taken / to be taken:	A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.
								Remarks / Other Obs:	Despite trench excavation work was conducted by Contract HK/2009/02 around the concerned location during the time of measurement, no major noise emanation from the works was observed during monitoring. Meanwhile, excavation works and hammering were conducted under non-WDII-CWB contractor next to the monitoring station and observed as the major noise contribution during monitoring. As such, the exceedance was considered as not relate to Project works under HK/2009/02.




***Appendix 8.1***

*Construction Programme of Individual Contracts*

Contract No. HK/2009/01

Wan Chai Development Phase II – Central -Wan Chai Bypass at  
Hong Kong Convention and Exhibition Centre

**Construction Activities for Three Months Rolling**

Construction Activities	December 2017	January 2018	February 2018
Reinstatement of Amenity Area			

◆ Milestone			Date	Revision	Checked	Approved
◆ Critical Milestones						
Current Works						
Critical Works						
Remaining Level of Effort						

**CHUN WO - CRGL  
JOINT VENTURE**

**CEDD CONTRACT NO. HK/2009/02**

**WD II - Central Wanchai Bypass at Wan Chai East (Contract 2)**

**3-MONTH ROLLING PROGRAMME (data date 20-Feb-18)**

	Milestone			Date	Revision	Checked	Approved
	Critical Milestones						
	Current Works						
	Critical Works						
	Remaining Level of Effort						



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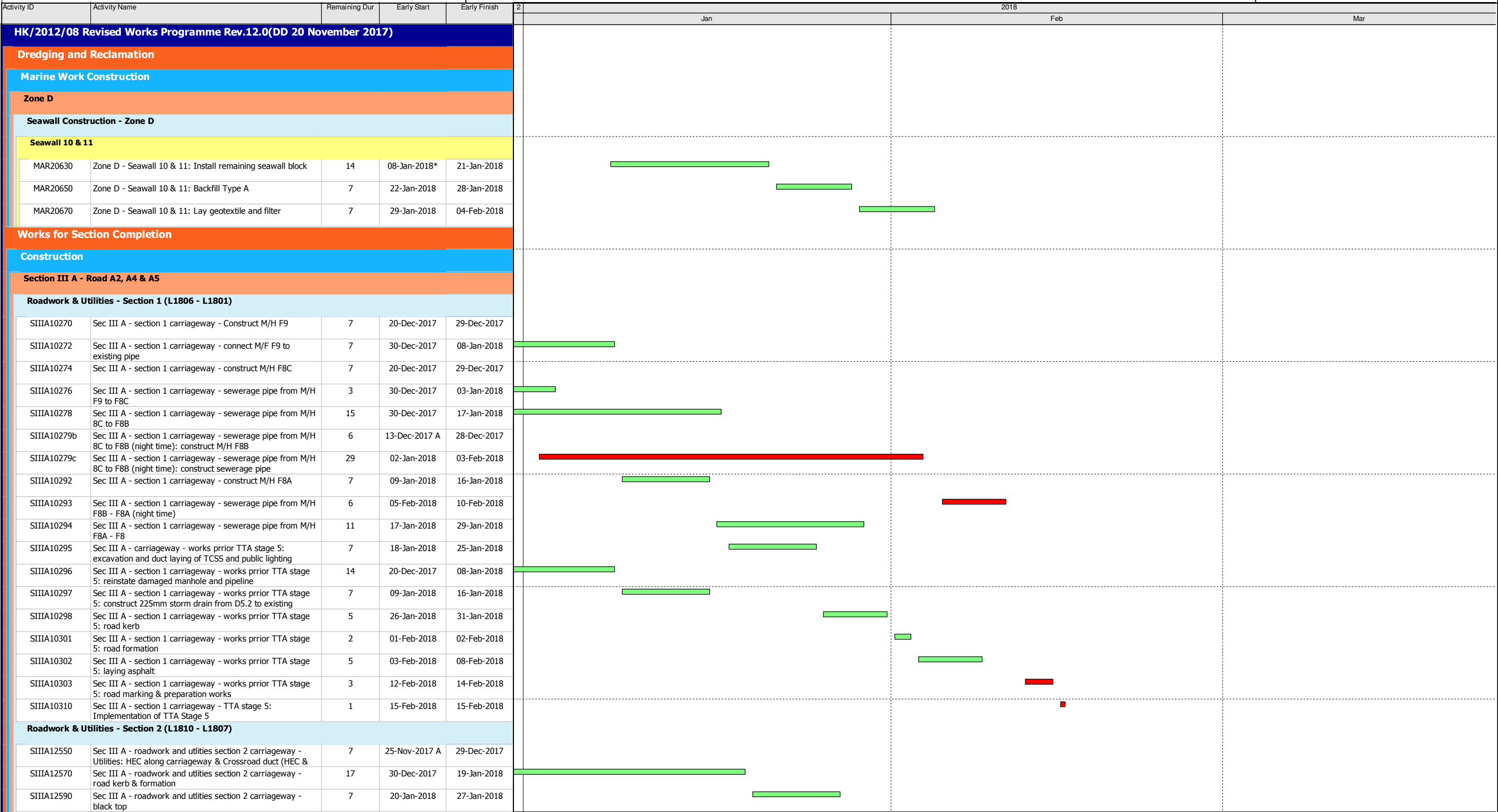




中國建築-利達聯營  
CHINA STATE - LEADER JOINT VENTURE

CEDD Contract No. HK/2012/08  
Wan Chai Development Phase II  
Central - Wan Chai Bypass at Wan Chai West

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Data Date: 20-Dec-2017	<div><div><div>◆</div><div>◆</div></div><div>Current Milestone</div><div><div><div></div><div></div></div><div>Actual Work</div><div><div><div></div><div></div></div><div>Critical Remaining Work</div><div><div><div></div><div></div></div><div>Remaining Work</div><div><div><div></div><div></div></div><div>Remaining Level of Effort</div></div></div></div></div></div>	<div>3 Months Rolling Programme for Non-CRIII Area (January 2018 - March 2018)</div> <div>(Ref. to Revised Works Programme Rev.12)</div>	Date	Revision	Checked	Approved
			20-Dec-2017	12		



中國建築-利達聯營  
CHINA STATE - LEADER JOINT VENTURE

CEDD Contract No. HK/2012/08  
Wan Chai Development Phase II  
Central - Wan Chai Bypass at Wan Chai West

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Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	2	Jan	Feb	Mar
Roadwork & Utilities - Section 3 (L1808 - L1102)								
SIIIA12710	Sec III A - roadwork and utilities section 3 carriageway - Drainage works (L1301 - L1102)	2	11-Dec-2017 A	21-Dec-2017				
SIIIA12750	Sec III A - roadwork and utilities section 3 carriageway - gully pipe (L1808A - L1102)	12	22-Dec-2017	08-Jan-2018				
SIIIA12762	Sec III A - roadwork and utilities section 3 carriageway - watermain	10	09-Jan-2018	19-Jan-2018				
SIIIA12770	Sec III A - roadwork and utilities section 3 carriageway - utilities: HEC ducting (60m) & crossroad duct (PCCW & HGC)	16	20-Jan-2018	07-Feb-2018				
SIIIA12790	Sec III A - roadwork and utilities section 3 carriageway - road kerb & formation	17	08-Feb-2018	02-Mar-2018				
Roadwork & Utilities - Section 4 (L1406 - L1401)								
SIIIA12950	Sec III A - roadwork and utilities section 4 carriageway - drainage works (L1402 -L1401)	4	11-Dec-2017 A	23-Dec-2017				
SIIIA12970	Sec III A - roadwork and utilities section 4 carriageway - gully pipe (L1401)	10	27-Dec-2017	08-Jan-2018				
SIIIA13000	Sec III A - roadwork and utilities section 4 carriageway - formation (L1401)	5	09-Jan-2018	13-Jan-2018				
SIIIA13050	Sec III A - roadwork and utilities section 4 carriageway - black top (L1401)	5	15-Jan-2018	19-Jan-2018				
Roadwork & Utilities - Section 6 (L1102 - L1411)								
SIIIA13380	Sec III A - roadwork and utilities section 6 carriageway - sealing up the gap beneath bay 12 of culvert L	0	08-Nov-2017 A	01-Dec-2017 A				
SIIIA13385	Sec III A - roadwork and utilities section 6 carriageway - Waterproofing of water channel	3	02-Dec-2017 A	22-Dec-2017				
SIIIA13389	Sec III A - roadwork and utilities section 6 carriageway - Backfilling of water channel from bay 16 to bay 20B	5	23-Dec-2017	30-Dec-2017				
SIIIA13395	Sec III A - roadwork and utilities section 6 carriageway - Drainage works (L1101-L1102)	9	02-Jan-2018	11-Jan-2018				
SIIIA13399	Sec III A - roadwork and utilities section 6 carriageway - gully pipe (L1101 -L1102)	8	12-Jan-2018	20-Jan-2018				
SIIIA13444	Sec III A - roadwork and utilities section 6 carriageway - watermain (road crossing)	7	22-Jan-2018	29-Jan-2018				
SIIIA13445	Sec III A - roadwork and utilities section 6 carriageway - utilities: crossed duct(HEC , HGC, PCCW)	13	30-Jan-2018	13-Feb-2018				
SIIIA13450	Sec III A - roadwork and utilities section 6 carriageway - road kerb & formation	18	14-Feb-2018	09-Mar-2018				
Section V - Remaining At-Grade Road & Road P2								
Roadwork & Utilities								
Section 1 (L1504 - L1900)								
SV12456	Sec V-Roadwork & Utilities Section 1 - implementation of TTA stage 5E (closure of slow lane at northbound of Expo	1	15-Jan-2018*	15-Jan-2018				
SV12460	Sec V - Roadwork & Utilities Section 1 - drinage works (L1902 - L1900)	15	16-Jan-2018	01-Feb-2018				
SV12462	Sec V - Roadwork & Utilities Section 1 - gully pipe (L1902 - L1900)	6	02-Feb-2018	08-Feb-2018				
SV12464	Sec V - Roadwork & Utilities Section 1 - temp. reinstatement to match with existing Expo Drive	14	09-Feb-2018	28-Feb-2018				
SV12540	Sec V - Roadwork & Utilities Section 1 footpath - Watermain	6	11-Dec-2017 A	28-Dec-2017				
SV12570	Sec V - Roadwork & Utilities Section 1 footpath - utilities:TCSS	30	29-Dec-2017	02-Feb-2018				
SV12580	Sec V - Roadwork & Utilities Section 1 footpath - paving block	29	03-Feb-2018	12-Mar-2018				
Section 2 (L1510 - L1504)								
SV12622	Sec V - Roadwork & Utilities Section 1 Carriageway - gully pipe (L1611 - L1609)	8	13-Dec-2017 A	30-Dec-2017				
SV12624	Sec V - Roadwork & Utilities Section 1 Carriageway - road kerb & formation	21	02-Jan-2018	25-Jan-2018				
SV12626	Sec V - Roadwork & Utilities Section 1 Carriageway - black top	13	26-Jan-2018	09-Feb-2018				
SV12690	Sec V - Roadwork & Utilities Section 2 footpath - Drainage Works (L2104 - L2105)	18	23-Dec-2017	16-Jan-2018				
SV12692	Sec V - Roadwork & Utilities Section 2 footpath - U channel	14	17-Jan-2018	01-Feb-2018				
SV12695	Sec V - Roadwork & Utilities Section 2 footpath - Watermain	13	02-Feb-2018	20-Feb-2018				
Section 3 (Culvert L - L1510)								
SIV12810	Sec V - Roadwork & Utilities Section 3 Carriageway - Gully pipe (Culvert L - L1611)	3	24-Nov-2017 A	22-Dec-2017				
SIV12820	Sec V - Roadwork & Utilities Section 3 Carriageway - Black top	21	23-Dec-2017	19-Jan-2018				

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	2	Jan	2018	Feb	Mar
SIV12844	Sec V - Roadwork & Utilities Section 3 footpath - U channel	6	02-Dec-2017 A	28-Dec-2017					
SIV12850	Sec V - Roadwork & Utilities footpath - Watermain	14	29-Dec-2017	15-Jan-2018					
SIV12860	Sec V - Roadwork & Utilities Section 3 footpath - Utilities: TCSS, HGC, PCCW)	34	16-Jan-2018	27-Feb-2018					
Section IV - Slip Road 3									
Roadwork & Utilities									
Section 1 (L16608 - L1601)									
SIV11740	Sec IV - Re-Poesssion of the areas S and P	0	08-Dec-2017 A						
SIV11742	Sec IV - Re-Poesssion of the area at the end of Road P2	0	30-Dec-2017*						
SIV11744	Sec IV - sign gantry DS20 footing (type 1): remove existing 600mm drain pipe	4	20-Dec-2017*	23-Dec-2017					
SIV11745	Sec IV - sign gantry DS20 footing (type 1): excavation	2	27-Dec-2017	28-Dec-2017					
SIV11746	Sec IV - sign gantry DS20 footing (type 1): footing structure	14	29-Dec-2017	15-Jan-2018					
SIV11747	Sec IV - sign gantry DS20 & DS21 footing (type 2): excavation & ELS	21	30-Dec-2017	24-Jan-2018					
SIV11748	Sec IV - sign gantry DS20 & DS21 footing (type 2): footing structure	21	25-Jan-2018	21-Feb-2018					
SIV11760	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L1607 - L1601)	30	09-Dec-2017 A	26-Jan-2018					
SIV11761	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L1602 - L2005)	7	16-Jan-2018	23-Jan-2018					
SIV11762	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L2103-L2101A)	17	27-Jan-2018	15-Feb-2018					
Section 2 ( L2301 - L2103)									
SIV11940	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Drainage Works (L2301-L2103)	5	09-Dec-2017 A	27-Dec-2017					
SIV11942	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Gully pipe (L2301-L2013, L1608-L1609)	22	28-Dec-2017	23-Jan-2018					
SIV11960	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Watermain	10	24-Jan-2018	03-Feb-2018					
SIV12010	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Road kerb & formation	20	05-Feb-2018	02-Mar-2018					
Section 3 ( M/H1.6 - L2301)									
SIV12092	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Drainage Works (M/H1.7 - L2301)	59	28-Dec-2017	10-Mar-2018					
SIV12096	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: construct manholes	28	29-Nov-2017 A	24-Jan-2018					
SIV12102	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: demolish existing seawall	13	25-Jan-2018	08-Feb-2018					
SIV12103	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: ELS	10	09-Feb-2018	23-Feb-2018					
Section VII - Remainder Works									
Road & Drainage Works (Culvert L - M/H1.7, Adjacent to SR3)									
SVII11600	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway - Drainage Works (Culvert L -MH1.7)	59	08-Jan-2018	20-Mar-2018					
Retaining Wall RW5 Construction									
SVII10660	Sec VII - Retaining Wall RW5 (bay 1) - construct base slab and wall	22	05-Feb-2018	05-Mar-2018					
SVII10800	Sec VII - Retaining wall RW5 (bay 3) - construct base slab and wall	22	05-Feb-2018	05-Mar-2018					
Promenade Seawall Parapet Construction & EVA									
Promenade Footpath									
Section 2									
SVII12610	Sec VII - section 2 footpath - drainage works : L2202 - L2203A	20	29-Jan-2018	23-Feb-2018					
Section 3									
SVII12850	Sec VII - section 3 footpath - watermain	17	20-Jan-2018	08-Feb-2018					
SVII12870	Sec VII - section 3 footpath - utilities (HEC, TCSS, HGC, PCCW)	40	09-Feb-2018	03-Apr-2018					
Section 4									



中國建築-利達聯營  
CHINA STATE - LEADER JOINT VENTURE

CEDD Contract No. HK/2012/08  
Wan Chai Development Phase II  
Central - Wan Chai Bypass at Wan Chai West

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	2	2018		
						Jan	Feb	Mar
SVII13050	Sec VII - section 4 footpath - drainage works (L2203 -L2203A)	0	21-Nov-2017 A	14-Dec-2017 A				
SVII13110	Sec VII - section 4 footpath - paving block	25	14-Feb-2018	17-Mar-2018				
Section 5								
SVII13270	Sec VII - section 5 footpath - drainage works :L2203A -L2204	10	15-Dec-2017 A	03-Jan-2018				
SVII13275	Sec VII - section 5 footpath - watermain	14	04-Jan-2018	19-Jan-2018				
SVII13310	Sec VII - section 5 footpath - utilities: HEC, TCSS, HGC, PCCW	42	20-Jan-2018	13-Mar-2018				
Section 6								
SVII13490	Sec VII - section 6 footpath - drainage works(Culvert L - L2204)	14	12-Jan-2018	27-Jan-2018				
SVII13510	Sec VII - section 6 footpath - watermain	13	03-Feb-2018	21-Feb-2018				
Section X - Protection & Preservation of Trees								
Soft Landscaping Works								
SX10020	Sec X - Protection & Preservation of Trees	276	31-Jan-2013 A	21-Sep-2018				



Activity ID		Activity Name			Rem Dur	Start	Finish	2017				2018				2019							
								January				February				March							
								17	24	31	07	14	21	28	04	11	18	25	04	11	18	25	
<b>3MRP (Dec 2017 - Mar 2018)</b>																							
<b>03 - PRELIMINARY WORKS</b>																							
<b>03.3 - Interface Works</b>																							
0330-1040		Relocate FEHD to Permanent Depot			9	30-Dec-17	10-Jan-18	Relocate FEHD to Permanent Depot															
0330-1045		Clean-up Area after Relocation			3	11-Jan-18	13-Jan-18	Clean-up Area after Relocation															
<b>FEHD Permanent Depot</b>																							
0330-1071		Installation of Post (43Nos) > Facility Area 5 & 10			6	20-Dec-17*	27-Dec-17	Installation of Post (43Nos) > Facility Area 5 & 10															
0330-1073		Construction of Steel Roof > Facility Area 5 & 10			6	26-Dec-17	02-Jan-18	Construction of Steel Roof > Facility Area 5 & 10															
0330-1075		Sprinkler System Installation > Facility Area 5 & 10			7	30-Dec-17	08-Jan-18	Sprinkler System Installation > Facility Area 5 & 10															
0330-1077		T & C of Sprinkler System > Facility Area 5 & 10			6	09-Jan-18	15-Jan-18	T & C of Sprinkler System > Facility Area 5 & 10															
0330-1081		Installation of Post (73Nos) > Facility Area 6, 8 & 9			9	20-Dec-17	30-Dec-17	Installation of Post (73Nos) > Facility Area 6, 8 & 9															
0330-1095		Signage Works & remaining light post			3	20-Dec-17	22-Dec-17	Signage Works & remaining light post															
A4910		Road Marking & Misc Works			8	20-Dec-17	29-Dec-17	Road Marking & Misc Works															
<b>10 - SECTION X OF THE WORKS</b>																							
<b>10.1 - E/B Bridges (Bridge D, E and F)</b>																							
<b>10.1.4 - Bridge E / Hing Fat Slip Road</b>																							
<b>Bridge Construction</b>																							
1014-2280		Bridge E - Construct Permanent parapet at "TB" Tie-in			9	08-Sep-17 A	30-Dec-17	Bridge E - Construct Permanent parapet at "TB" Tie-in															
<b>10.3 - Middle Bridge (Bridge F)</b>																							
<b>10.3.2 - Bridge Construction</b>																							
<b>Bridge F3B</b>																							
1032-2550		Bridge F3B - Installation of CC & Temporary Lighting			14	04-Dec-17 A	06-Jan-18	Bridge F3B - Installation of CC & Temporary Lighting															
1032-2560		Bridge F3B - Deck Road Waterproofing, Surfacing & Marking			6	08-Jan-18	13-Jan-18	Bridge F3B - Deck Road Waterproofing, Surfacing & Marking															
1032-2561		Divert 2 Lane Traffic (Stage 1)			0	14-Jan-18		◆ Divert 2 Lane Traffic (Stage 1)															
1032-2562		Bridge F3B - Construct Int. Double Noise Encl. (83m) (stage 2)			26	15-Jan-18	13-Feb-18	Bridge F3B - Construct Int. Double Noise Encl. (83m) (stage 2)															
1032-2563		Bridge F3B - Deck Road Waterproofing, Surfacing & Marking			6	08-Feb-18	14-Feb-18	Bridge F3B - Deck Road Waterproofing, Surfacing & Marking															
1032-2564		Divert 2 Lane Traffic (Stage 2)			0	15-Feb-18		◆ Divert 2 Lane Traffic (Stage 2)															
<b>Bridge F2B</b>																							
1032-3120		B ridge F2B - Construct Int. Double Noise Encl.			14	11-Nov-17 A	06-Jan-18	B ridge F2B - Construct Int. Double Noise Encl.															
1032-3140		Bridge F2B - Deck Road Waterproofing, Surfacing & Marking			6	08-Jan-18	13-Jan-18	Bridge F2B - Deck Road Waterproofing, Surfacing & Marking															
<b>Bridge F1B2</b>																							
1032-3840		Bridge F1B2 - Longitudinal Stitching			33	19-Jan-18	01-Mar-18	Bridge F1B2 - Longitudinal Stitching															
1032-3860		Bridge F1B2 - Southern Parapet			24	14-Dec-17 A	18-Jan-18	Bridge F1B2 - Southern Parapet															
1032-3880		Bridge F1B2 - Construct Int. Double Noise Encl. Bridge F1B2			48	13-Jan-18	13-Mar-18	Bridge F1B2 - Construct Int. Double Noise Encl. Bridge F1B2															
1032-3900		Bridge F1B2 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking			7	14-Mar-18	21-Mar-18	Bridge F1B2 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking															
<b>Bridge F1B1</b>																							
1032-1740		Bridge F1B1 - Longitudinal Stitching			57	16-Dec-17 A	01-Mar-18	Bridge F1B1 - Longitudinal Stitching															
1032-1760		Bridge F1B1 - Construct Median Barriers			30	29-Dec-17	02-Feb-18	Bridge F1B1 - Construct Median Barriers															
1032-1780		Bridge F1B1 - Construct Int. Double Noise Encl. Bridge F1B2			46	16-Jan-18	13-Mar-18	Bridge F1B1 - Construct Int. Double Noise Encl. Bridge F1B2															
<div><div>Remaining Level of Effort</div><div>Actual Level of Effort</div><div>Actual Work</div><div>Remaining Work</div><div>Critical Remaining Work</div><div>Milestone</div></div>																							
<div>Contract HY/2009/19</div> <div>Three Months Rolling Programme (20.Dec.2017 to 19.Mar.2018)</div>																							
Page 1 of 5																							

Activity ID	Activity Name	Rem Dur	Start	Finish	2017				2018																			
					December		January				February				March													
					17	24	31	07	14	21	28	04	11	18	25	04	11	18	25									
10.5 - Middle Bridge F	1032-1800	Bridge F1B1 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking	7	14-Mar-18	21-Mar-18																							
	Bridge F5																											
	1032-3980	Bridge F5 Deck Surfacing & Marking	5	08-Jan-18	13-Jan-18																							
	1032-4000	TTA Cutting of Deck Bet Temp. TD & E/B,Cons. of Parapet,Noise Encl.(Northside) start	0	15-Feb-18																								
	1032-4040	Cutting of Deck Between Temp. TD & E/B > Pier F5-F8	12	15-Feb-18	03-Mar-18																							
	1032-4060	Cutting of Deck Between Temp. TD & E/B > Pier F8-F11	12	05-Mar-18	17-Mar-18																							
	1032-4100	Construction Parapet (Northside) > Pier F5-F8	12	26-Feb-18	10-Mar-18																							
	All Middle Bridge F (Common)																											
	1032-4220	Bridge F TCSS/E&M Ducts and Supports (F1B1, F1B2, F2B, F3B)	17	25-Oct-17 A	10-Jan-18																							
	1032-4240	Fresh Water Main 150DI at Bridge F Deck	67	27-Nov-17 A	13-Mar-18																							
	1032-4260	Bridge F Sign Gantries and Misc. Mounting Structure/Support	46	26-Dec-17	21-Feb-18*																							
	1032-4354	TCSS/LV Ducts at Zone 7 (Nigth work)	15	18-Dec-17 A	08-Jan-18																							
	1032-4355	TCSS/LV Ducts at Zone 2 (daywork)	7	18-Dec-17 A	28-Dec-17																							
	1032-4356	Sign Gantry (DS06B,DS06A & FADS06) (Nigth work)	50	22-Feb-18	24-Apr-18																							
	10.6 - Tunnel Approach Ramp																											
10.6.1 - Approach Ramp (Excluding Portion IIB)																												
Structure Works																												
1061-6260	Bay 5 & 6 > Side Wall - Upper Portion - Rebar Fixing	4	18-Dec-17 A	23-Dec-17																								
1061-6280	Bay 5 & 6 > Side Wall - Upper Portion - Complete Formworks	4	22-Dec-17	27-Dec-17																								
1061-6300	Bay 5 & 6 > Side Wall - Upper Portion - Concreting	1	28-Dec-17	28-Dec-17																								
1061-6620	Bay 7 & 8 > Side Wall - Upper Portion - Install Waterproofing Membrane	3	20-Dec-17	22-Dec-17																								
1061-6640	Bay 7 & 8 > Side Wall - Upper Portion - Rebar Fixing	4	22-Dec-17	27-Dec-17																								
1061-6660	Bay 7 & 8 > Side Wall - Upper Portion - Complete Formworks	3	27-Dec-17	29-Dec-17																								
1061-6680	Bay 7 & 8 > Side Wall - Upper Portion - Concreting	1	30-Dec-17	30-Dec-17																								
1061-6820	Bay 1 - 8 > Side Wall - Backfilling Works	17	01-Dec-17 A	10-Jan-18																								
Retaining Walls & Trough Structure B,C & D																												
1061-6860	Construct Retaining Wall E Pile Cap (7 nos)	26	06-Mar-17 A	20-Jan-18																								
1061-6880	Construct Retaining Wall E2 (Ch 5371 - 5398)	18	12-Jan-18	01-Feb-18																								
1061-6900	Construct Retaining Wall E1 (Ch 5332 - 5371)	18	22-Jan-18	10-Feb-18																								
1061-6985	Parapet at Wall above Retaining Wall F	35	20-Dec-17	31-Jan-18																								
1061-6987	Parapet at Wall above Retaining Wall E3	16	20-Dec-17	09-Jan-18																								
1061-6989	Parapet at Wall above Retaining Wall E1 & 2	35	02-Feb-18	17-Mar-18																								
1061-7000	Backfill to Road Founding Level	14	22-Jan-18	06-Feb-18																								
1061-7020	Falseworks System for Landscape Deck	18	07-Feb-18	02-Mar-18																								
1061-7040	Excavate for Foundation of Retaing Wall D	7	30-Jan-18	06-Feb-18																								
1061-7060	Construct Retaining Wall D Footing (Ch 190 - 170)	18	07-Feb-18	02-Mar-18																								
1061-7080	Construct Retaining Wall D (Ch 190 - 170)	24	03-Mar-18	31-Mar-18																								
1061-7120	Excavate to Founding Level Trough B Structure	12	07-Feb-18	23-Feb-18																								
1061-7140	Construct Trough Structure B Base Slab	18	24-Feb-18	16-Mar-18																								

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

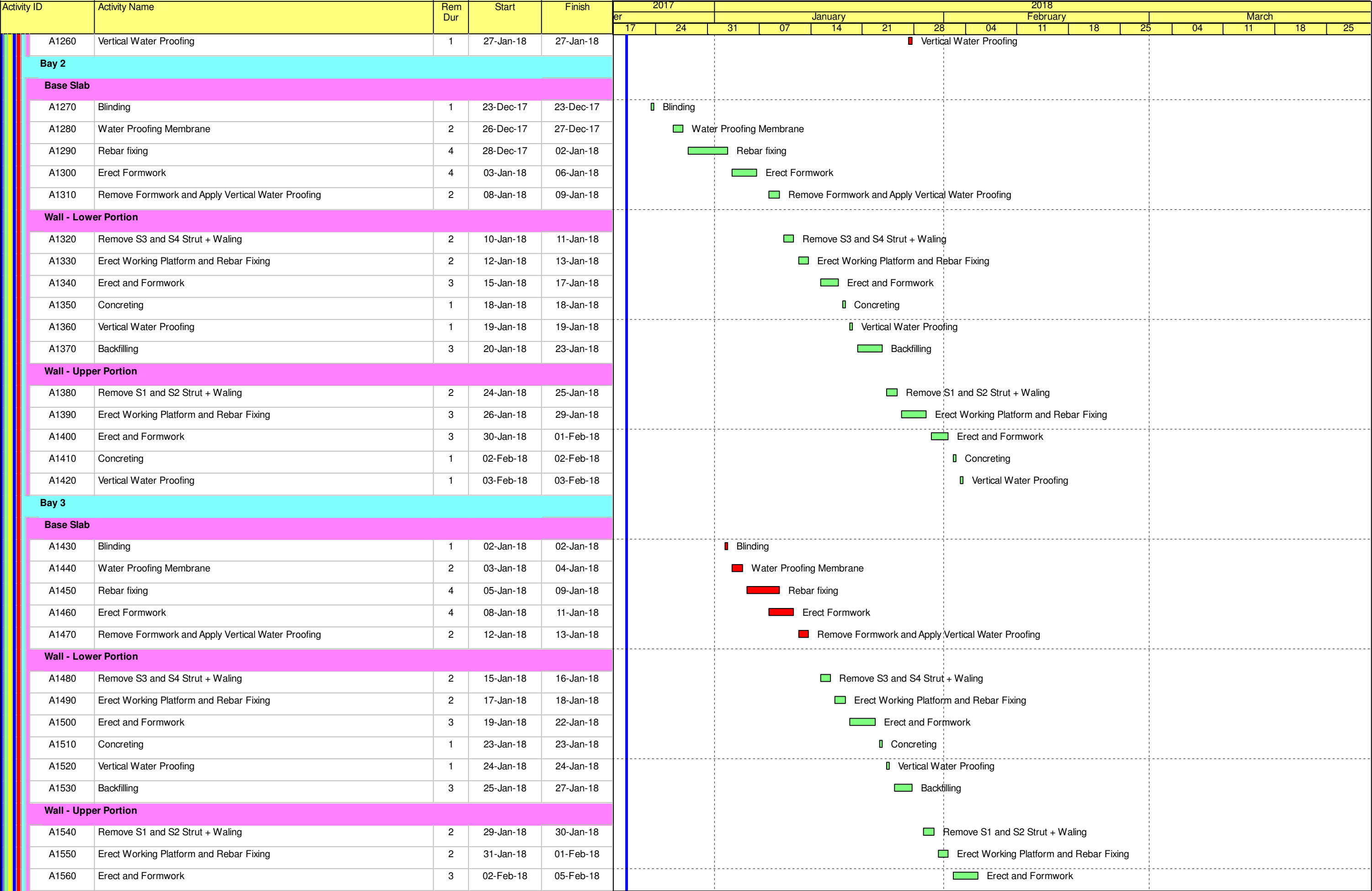
Milestone

Contract HY/2009/19

Three Months Rolling Programme (20.Dec.2017 to 19.Mar.2018)



Activity ID	Activity Name	Rem Dur	Start	Finish	2017						2018									
					December			January			February			March						
					17	24	31	07	14	21	28	04	11	18	25	04	11	18	25	
1061-7160	Construct Trough Structure B Side Walls	24	17-Mar-18	17-Apr-18																
1061-7180	Excavate to Founding Level Trough C Structure	14	14-Feb-18	05-Mar-18																
1061-7200	Construct Trough Structure C Base Slab	18	06-Mar-18	26-Mar-18																
Landscape Deck																				
1061-7260	Ch 5331 - 5419 > Construct LD Middle Pile Cap (7nos)	9	20-Nov-17 A	30-Dec-17																
1061-7280	Bay 5 & 6 > Ch 5262 - 5292 - Construct Columns (6 nos)	12	29-Dec-17	12-Jan-18																
1061-7300	Bay 5 & 6 > Ch 5262 - 5292 - Beam & Deck (30m)	23	13-Jan-18	08-Feb-18																
1061-7320	Bay 4 > Ch 5292 - 5303 - Construct Columns (3 nos)	9	11-Dec-17 A	30-Dec-17																
1061-7340	Bay 4 > Ch 5292 - 5303 - Beam & Deck (12m)	24	02-Jan-18	29-Jan-18																
1061-7360	Bay 7 & 8 > Ch 5232 - 5262 - Construct Columns (9 nos)	12	13-Jan-18	26-Jan-18																
1061-7380	Bay 7 & 8 > Ch 5232 - 5262 - Beam & Deck (30m)	23	20-Jan-18	15-Feb-18																
1061-7400	Bay 1 to 3 > Ch 5303 - 5331 > Construct Columns (9 nos)	14	11-Dec-17 A	06-Jan-18																
1061-7420	Bay 1 to 3 > Ch 5303 - 5331 > Beam & Deck	23	08-Jan-18	02-Feb-18																
1061-7440	Ch 5331 - 5419 > Construct Columns (23nos)	12	02-Jan-18	15-Jan-18																
1061-7460	Ch 5331 - 5419 > Beam & Deck	23	20-Jan-18	15-Feb-18																
10.6.2 - Approach Ramp (Within Portion IIB)																				
ELS																				
A1080	ELS Installation and Excavation Part 6 (750m^3 / day)	3	04-Dec-17 A	22-Dec-17																
A1090	ELS Installation and Excavation Part 7 (750m^3 / day)	6	19-Dec-17 A	27-Dec-17																
A1100	ELS Installation and Excavation Part 8 (750m^3 / day)	7	22-Dec-17	30-Dec-17																
Structure																				
Bay 1																				
Base Slab																				
A1120	Water Proofing Membrane	2	20-Dec-17	21-Dec-17																
A1130	Rebar fixing	4	22-Dec-17	27-Dec-17																
A1140	Erect Formwork	4	26-Dec-17	29-Dec-17																
A1150	Remove Formwork and Apply Vertical Water Proofing	2	30-Dec-17	02-Jan-18																
Wall - Lower Portion																				
A1160	Remove S3 and S4 Strut + Waling	2	03-Jan-18	04-Jan-18																
A1170	Erect Working Platform and Rebar Fixing	2	05-Jan-18	06-Jan-18																
A1180	Erect and Formwork	3	08-Jan-18	10-Jan-18																
A1190	Concreting	1	11-Jan-18	11-Jan-18																
A1200	Vertical Water Proofing	1	12-Jan-18	12-Jan-18																
A1210	Backfilling	3	13-Jan-18	16-Jan-18																
Wall - Upper Portion																				
A1220	Remove S1 and S2 Strut + Waling	2	17-Jan-18	18-Jan-18																
A1230	Erect Working Platform and Rebar Fixing	3	19-Jan-18	22-Jan-18																
A1240	Erect and Formwork	3	23-Jan-18	25-Jan-18																
A1250	Concreting	1	26-Jan-18	26-Jan-18																



Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Milestone

Activity ID	Activity Name	Rem Dur	Start	Finish	2017		2018												
					er		January					February				March			
					17	24	31	07	14	21	28	04	11	18	25	04	11	18	25
A1570	Concreting	1	06-Feb-18	06-Feb-18								█	Concreting						
A1580	Vertical Water Proofing	1	07-Feb-18	07-Feb-18								█	Vertical Water Proofing						
Bay 4																			
Base Slab																			
A1590	Blinding	1	12-Jan-18	12-Jan-18				█	Blinding										
A1600	Water Proofing Membrane	2	13-Jan-18	15-Jan-18				█	Water Proofing Membrane										
A1610	Rebar fixing	4	16-Jan-18	19-Jan-18				█	Rebar fixing										
A1620	Erect Formwork	4	20-Jan-18	24-Jan-18				█	Erect Formwork										
A1630	Remove Formwork and Apply Vertical Water Proofing	2	25-Jan-18	26-Jan-18				█	Remove Formwork and Apply Vertical Water Proofing										
Wall - Lower Portion																			
A1640	Remove S3 and S4 Strut + Waling	2	27-Jan-18	29-Jan-18							█	Remove S3 and S4 Strut + Waling							
A1650	Erect Working Platform and Rebar Fixing	2	30-Jan-18	31-Jan-18							█	Erect Working Platform and Rebar Fixing							
A1660	Erect and Formwork	3	01-Feb-18	03-Feb-18							█	Erect and Formwork							
A1670	Concreting	1	05-Feb-18	05-Feb-18							█	Concreting							
A1680	Vertical Water Proofing	1	06-Feb-18	06-Feb-18							█	Vertical Water Proofing							
A1690	Backfilling	3	07-Feb-18	09-Feb-18							█	Backfilling							
Wall - Upper Portion																			
A1710	Remove S1 and S2 Strut + Waling	2	10-Feb-18	12-Feb-18								█	Remove S1 and S2 Strut + Waling						
A1720	Erect Working Platform and Rebar Fixing	2	13-Feb-18	14-Feb-18								█	Erect Working Platform and Rebar Fixing						
A1730	Erect and Formwork	3	15-Feb-18	21-Feb-18								█	Erect and Formwork						
A1740	Concreting	1	22-Feb-18	22-Feb-18								█	Concreting						
A1750	Vertical Water Proofing	1	23-Feb-18	23-Feb-18								█	Vertical Water Proofing						
Bay 5																			
Base Slab																			
A1760	Blinding	1	25-Jan-18	25-Jan-18							█	Blinding							
A1770	Water Proofing Membrane	2	26-Jan-18	27-Jan-18							█	Water Proofing Membrane							
A1780	Rebar fixing	4	29-Jan-18	01-Feb-18							█	Rebar fixing							
A1790	Erect Formwork	4	31-Jan-18	03-Feb-18							█	Erect Formwork							
A1800	Remove Formwork and Apply Vertical Water Proofing	2	05-Feb-18	06-Feb-18							█	Remove Formwork and Apply Vertical Water Proofing							
Wall - Lower Portion																			
A1810	Remove S3 and S4 Strut + Waling	2	07-Feb-18	08-Feb-18								█	Remove S3 and S4 Strut + Waling						
A1820	Erect Working Platform and Rebar Fixing	2	09-Feb-18	10-Feb-18								█	Erect Working Platform and Rebar Fixing						
A1830	Erect and Formwork	3	12-Feb-18	14-Feb-18								█	Erect and Formwork						
A1840	Concreting	1	15-Feb-18	15-Feb-18								█	Concreting						
A1850	Vertical Water Proofing	1	20-Feb-18	20-Feb-18								█	Vertical Water Proofing						
A1860	Backfilling	3	21-Feb-18	23-Feb-18								█	Backfilling						

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 Remaining Level of Effort

█

 Remaining Work

█

 Actual Level of Effort

█

 Critical Remaining Work

█

 Actual Work

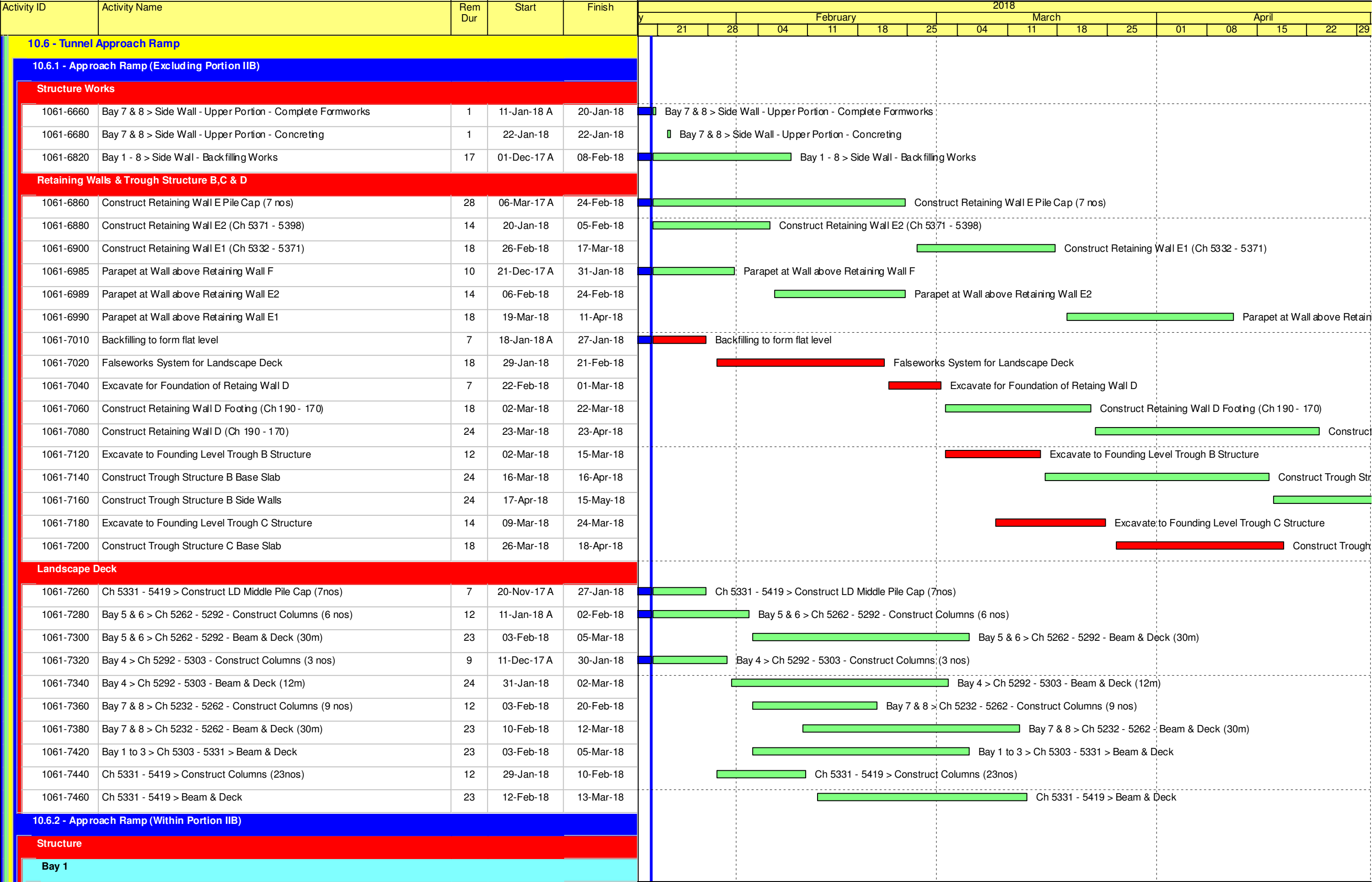
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 Milestone

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 Milestone

Activity ID	Activity Name	Rem Dur	Start	Finish	2018																	
					January			February			March			April								
					y	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29		
3MRP (Jan 2018 - April 2018)																						
03 - PRELIMINARY WORKS																						
03.3 - Interface Works																						
FEHD Permanent Depot																						
0330-1071	Installation of Post (43Nos) > Facility Area 5 & 10	6	22-Jan-18*	27-Jan-18	Installation of Post (43Nos) > Facility Area 5 & 10																	
0330-1073	Construction of Steel Roof > Facility Area 5 & 10	6	26-Jan-18	01-Feb-18	Construction of Steel Roof > Facility Area 5 & 10																	
0330-1075	Sprinkler System Installation > Facility Area 5 & 10	7	31-Jan-18	07-Feb-18	Sprinkler System Installation > Facility Area 5 & 10																	
0330-1077	T & C of Sprinkler System > Facility Area 5 & 10	6	08-Feb-18	14-Feb-18	T & C of Sprinkler System > Facility Area 5 & 10																	
0330-1081	Installation of Post (73Nos) > Facility Area 6, 8 & 9	9	20-Jan-18	30-Jan-18	Installation of Post (73Nos) > Facility Area 6, 8 & 9																	
10 - SECTION X OF THE WORKS																						
10.3 - Middle Bridge (Bridge F)																						
10.3.2 - Bridge Construction																						
Bridge F3B																						
1032-2562	Bridge F3B - Construct Int. Double Noise Encl. (83m) (stage 2)	21	15-Jan-18 A	13-Feb-18	Bridge F3B - Construct Int. Double Noise Encl. (83m) (stage 2)																	
1032-2563	Bridge F3B - Deck Road Waterproofing, Surfacing & Marking	6	08-Feb-18	14-Feb-18	Bridge F3B - Deck Road Waterproofing, Surfacing & Marking																	
1032-2564	Divert 2 Lane Traffic (Stage 2)	0	15-Feb-18		◆ Divert 2 Lane Traffic (Stage 2)																	
Bridge F1B2																						
1032-3840	Bridge F1B2 - Longitudinal Stitching	27	19-Jan-18 A	01-Mar-18	Bridge F1B2 - Longitudinal Stitching																	
1032-3860	Bridge F1B2 - Southern Parapet	5	14-Dec-17 A	25-Jan-18	Bridge F1B2 - Southern Parapet																	
1032-3880	Bridge F1B2 - Construct Int. Double Noise Encl. Bridge F1B2	30	13-Jan-18 A	27-Feb-18	Bridge F1B2 - Construct Int. Double Noise Encl. Bridge F1B2																	
1032-3900	Bridge F1B2 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking	7	02-Mar-18	09-Mar-18	Bridge F1B2 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking																	
Bridge F1B1																						
1032-1740	Bridge F1B1 - Longitudinal Stitching	0	16-Dec-17 A	17-Jan-18 A	Bridge F1B1 - Longitudinal Stitching																	
1032-1780	Bridge F1B1 - Construct Int. Double Noise Encl. Bridge F1B2	30	16-Jan-18 A	27-Feb-18	Bridge F1B1 - Construct Int. Double Noise Encl. Bridge F1B2																	
1032-1800	Bridge F1B1 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking	7	02-Mar-18	09-Mar-18	Bridge F1B1 - Bridge F1C Deck Road Waterproofing, Surfacing & Marking																	
Bridge F5																						
1032-4040	Cutting of Deck Between Temp. TD & E/B > Pier F5-F8	12	15-Feb-18	03-Mar-18	Cutting of Deck Between Temp. TD & E/B > Pier F5-F8																	
1032-4060	Cutting of Deck Between Temp. TD & E/B > Pier F8-F11	12	05-Mar-18	17-Mar-18	Cutting of Deck Between Temp. TD & E/B > Pier F8-F11																	
1032-4080	Cutting of Deck Between Temp. TD & E/B > Pier F11-F14	12	19-Mar-18	03-Apr-18	Cutting of Deck Between Temp. TD & E/B > Pier F11-F14																	
1032-4100	Construction Parapet (Northside) > Pier F5-F8	12	26-Feb-18	10-Mar-18	Construction Parapet (Northside) > Pier F5-F8																	
1032-4120	Construction Parapet (Northside) > Pier F8-F11	12	12-Mar-18	24-Mar-18	Construction Parapet (Northside) > Pier F8-F11																	
1032-4140	Construction Parapet (Northside) > Pier F11-F14	12	26-Mar-18	11-Apr-18	Construction Parapet (Northside) > Pier F11-F14																	
1032-4160	Construct Noise Enclosure (Northside) > Pier F5 - F8	24	12-Mar-18	11-Apr-18	Construct Noise Enclosure (Northside) > Pier F5 - F8																	
All Middle Bridge F (Common)																						
1032-4240	Fresh Water Main 150DI at Bridge F Deck	52	27-Nov-17 A	24-Mar-18	Fresh Water Main 150DI at Bridge F Deck																	
1032-4260	Bridge F Sign Gantries and Misc. Mounting Structure/Support	25	26-Dec-17 A	21-Feb-18*	Bridge F Sign Gantries and Misc. Mounting Structure/Support																	
1032-4356	Sign Gantry (DS06B,DS06A & FADS06) (Nigth work)	50	22-Feb-18	24-Apr-18	Sign Gantry (DS06B,DS06A & FADS06) (Nigth work)																	
<div>Remaining Level of Effort</div> <div>Actual Level of Effort</div> <div>Actual Work</div>		<div>Remaining Work</div> <div>Critical Remaining Work</div> <div>Milestone</div>		Contract HY/2009/19 Three Months Rolling Programme (20.Jan.2018 to 19.Apr.2018)															Page 1 of 4			



Activity ID	Activity Name	Rem Dur	Start	Finish	2018																		
					January			February					March					April					
					18	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29			
Wall - Lower Portion																							
A1160	Remove S3 and S4 Strut + Waling	2	30-Jan-18	31-Jan-18	<div><div></div> Remove S3 and S4 Strut + Waling</div>																		
A1170	Erect Working Platform and Rebar Fixing	2	01-Feb-18	02-Feb-18	<div><div></div> Erect Working Platform and Rebar Fixing</div>																		
A1180	Erect and Formwork	3	03-Feb-18	06-Feb-18	<div><div></div> Erect and Formwork</div>																		
A1190	Concreting	1	07-Feb-18	07-Feb-18	<div><div></div> Concreting</div>																		
A1200	Vertical Water Proofing	1	08-Feb-18	08-Feb-18	<div><div></div> Vertical Water Proofing</div>																		
A1210	Backfilling	3	09-Feb-18	12-Feb-18	<div><div></div> Backfilling</div>																		
Wall - Upper Portion																							
A1220	Remove S1 and S2 Strut + Waling	2	13-Feb-18	14-Feb-18	<div><div></div> Remove S1 and S2 Strut + Waling</div>																		
A1230	Erect Working Platform and Rebar Fixing	3	15-Feb-18	21-Feb-18	<div><div></div> Erect Working Platform and Rebar Fixing</div>																		
A1240	Erect and Formwork	3	22-Feb-18	24-Feb-18	<div><div></div> Erect and Formwork</div>																		
A1250	Concreting	1	26-Feb-18	26-Feb-18	<div><div></div> Concreting</div>																		
A1260	Vertical Water Proofing	1	27-Feb-18	27-Feb-18	<div><div></div> Vertical Water Proofing</div>																		
Bay 2																							
Wall - Lower Portion																							
A1320	Remove S3 and S4 Strut + Waling	2	27-Jan-18	29-Jan-18	<div><div></div> Remove S3 and S4 Strut + Waling</div>																		
A1330	Erect Working Platform and Rebar Fixing	2	30-Jan-18	31-Jan-18	<div><div></div> Erect Working Platform and Rebar Fixing</div>																		
A1340	Erect and Formwork	3	01-Feb-18	03-Feb-18	<div><div></div> Erect and Formwork</div>																		
A1350	Concreting	1	05-Feb-18	05-Feb-18	<div><div></div> Concreting</div>																		
A1360	Vertical Water Proofing	1	06-Feb-18	06-Feb-18	<div><div></div> Vertical Water Proofing</div>																		
A1370	Backfilling	3	07-Feb-18	09-Feb-18	<div><div></div> Backfilling</div>																		
Wall - Upper Portion																							
A1380	Remove S1 and S2 Strut + Waling	2	10-Feb-18	12-Feb-18	<div><div></div> Remove S1 and S2 Strut + Waling</div>																		
A1390	Erect Working Platform and Rebar Fixing	3	13-Feb-18	15-Feb-18	<div><div></div> Erect Working Platform and Rebar Fixing</div>																		
A1400	Erect and Formwork	3	20-Feb-18	22-Feb-18	<div><div></div> Erect and Formwork</div>																		
A1410	Concreting	1	23-Feb-18	23-Feb-18	<div><div></div> Concreting</div>																		
A1420	Vertical Water Proofing	1	24-Feb-18	24-Feb-18	<div><div></div> Vertical Water Proofing</div>																		
Bay 3																							
Wall - Lower Portion																							
A1480	Remove S3 and S4 Strut + Waling	2	25-Jan-18	26-Jan-18	<div><div></div> Remove S3 and S4 Strut + Waling</div>																		
A1490	Erect Working Platform and Rebar Fixing	2	27-Jan-18	29-Jan-18	<div><div></div> Erect Working Platform and Rebar Fixing</div>																		
A1500	Erect and Formwork	3	30-Jan-18	01-Feb-18	<div><div></div> Erect and Formwork</div>																		
A1510	Concreting	1	02-Feb-18	02-Feb-18	<div><div></div> Concreting</div>																		
A1520	Vertical Water Proofing	1	03-Feb-18	03-Feb-18	<div><div></div> Vertical Water Proofing</div>																		
A1530	Backfilling	3	05-Feb-18	07-Feb-18	<div><div></div> Backfilling</div>																		
Wall - Upper Portion																							
A1540	Remove S1 and S2 Strut + Waling	2	08-Feb-18	09-Feb-18	<div><div></div> Remove S1 and S2 Strut + Waling</div>																		

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

◆

 Milestone

◆

 Milestone



Activity ID	Activity Name	Rem Dur	Start	Finish	2018														
					January			February			March			April			29		
					21	28	04	11	18	25	04	11	18	25	01	08		15	22
A1550	Erect Working Platform and Rebar Fixing	2	10-Feb-18	12-Feb-18	<div>Erect Working Platform and Rebar Fixing</div>														
A1560	Erect and Formwork	3	13-Feb-18	15-Feb-18	<div>Erect and Formwork</div>														
A1570	Concreting	1	20-Feb-18	20-Feb-18	<div>Concreting</div>														
A1580	Vertical Water Proofing	1	21-Feb-18	21-Feb-18	<div>Vertical Water Proofing</div>														
Bay 4																			
Wall - Lower Portion																			
A1640	Remove S3 and S4 Strut + Waling	2	23-Jan-18	24-Jan-18	<div>Remove S3 and S4 Strut + Waling</div>														
A1650	Erect Working Platform and Rebar Fixing	2	25-Jan-18	26-Jan-18	<div>Erect Working Platform and Rebar Fixing</div>														
A1660	Erect and Formwork	3	27-Jan-18	30-Jan-18	<div>Erect and Formwork</div>														
A1670	Concreting	1	31-Jan-18	31-Jan-18	<div>Concreting</div>														
A1680	Vertical Water Proofing	1	01-Feb-18	01-Feb-18	<div>Vertical Water Proofing</div>														
A1690	Backfilling	3	02-Feb-18	05-Feb-18	<div>Backfilling</div>														
Wall - Upper Portion																			
A1710	Remove S1 and S2 Strut + Waling	2	06-Feb-18	07-Feb-18	<div>Remove S1 and S2 Strut + Waling</div>														
A1720	Erect Working Platform and Rebar Fixing	2	08-Feb-18	09-Feb-18	<div>Erect Working Platform and Rebar Fixing</div>														
A1730	Erect and Formwork	3	10-Feb-18	13-Feb-18	<div>Erect and Formwork</div>														
A1740	Concreting	1	14-Feb-18	14-Feb-18	<div>Concreting</div>														
A1750	Vertical Water Proofing	1	15-Feb-18	15-Feb-18	<div>Vertical Water Proofing</div>														
Bay 5																			
Wall - Lower Portion																			
A1810	Remove S3 and S4 Strut + Waling	2	20-Jan-18	22-Jan-18	<div>Remove S3 and S4 Strut + Waling</div>														
A1820	Erect Working Platform and Rebar Fixing	2	23-Jan-18	24-Jan-18	<div>Erect Working Platform and Rebar Fixing</div>														
A1830	Erect and Formwork	3	25-Jan-18	27-Jan-18	<div>Erect and Formwork</div>														
A1840	Concreting	1	29-Jan-18	29-Jan-18	<div>Concreting</div>														
A1850	Vertical Water Proofing	1	30-Jan-18	30-Jan-18	<div>Vertical Water Proofing</div>														
A1860	Backfilling	3	31-Jan-18	02-Feb-18	<div>Backfilling</div>														
Wall - Upper Portion																			
A1870	Remove S1 and S2 Strut + Waling	3	03-Feb-18	06-Feb-18	<div>Remove S1 and S2 Strut + Waling</div>														
A1880	Erect Working Platform and Rebar Fixing	2	07-Feb-18	08-Feb-18	<div>Erect Working Platform and Rebar Fixing</div>														
A1890	Erect and Formwork	3	09-Feb-18	12-Feb-18	<div>Erect and Formwork</div>														
A1900	Concreting	1	13-Feb-18	13-Feb-18	<div>Concreting</div>														
A1910	Vertical Water Proofing	1	14-Feb-18	14-Feb-18	<div>Vertical Water Proofing</div>														
Landscape Deck																			
1062-1240	Construct LD Column - Portion IIB (10nos)	36	14-Feb-18	31-Mar-18	<div>Construct LD Column - Portion IIB (10nos)</div>														
1062-1260	Construct Landscape Deck Beam/Slab Bay C1	45	03-Mar-18	27-Apr-18	<div>Construct Landscape Deck Beam/Slab Bay C1</div>														

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

SR8_DWP_R08-02 MU59			SR8 - Layout for 3MRP_2108_02			Appendix C.5																		
Activity ID		Activity Name		Original Duration	Start	Finish	2018																	
							Feb			Mar			Apr			May			Jun					
Total				1876d	21-Mar-13 A	21-Jun-18																		
DWP-08 - (2) - Update Progress As of 20 Feb 18				1876d	21-Mar-13 A	21-Jun-18																		
Works in KD8				24d	05-Feb-18 A	27-Feb-18 A																		
TS3W - Remove Temporary Reclamation				24d	05-Feb-18 A	27-Feb-18 A																		
Stage 7 - Remove D-wall W4D13, 14 & W4D12, W4D15 - 16 + W3D8 - W3D11 & Seawall Reinstatement				24d	05-Feb-18 A	27-Feb-18 A																		
Reinstatement of Remaining Vertical Seawall by Land Plants				24d	05-Feb-18 A	27-Feb-18 A																		
MW_1610	Pour concrete behind 5th layer of facing stone			1d	05-Feb-18 A	05-Feb-18 A	te behind 5th layer of facing stone																	
MW_1630	Erect Formwork for coping			3d	06-Feb-18 A	09-Feb-18 A	t Formwork for coping																	
MW_1640	Pour concrete for coping			1d	10-Feb-18 A	10-Feb-18 A	ur concrete for coping																	
MW_1660	Lay footpath paving blocks			4d	11-Feb-18 A	14-Feb-18 A	■ Lay footpath paving blocks																	
MW_1650	Backfill up to formation level (6 layers)			13d	26-Feb-18 A	27-Feb-18 A	■ Backfill up to formation level (6 layers)																	
Works in KD6				132d	30-Aug-17 A	20-Mar-18																		
Works in SR8 (Open Cut Method)				132d	30-Aug-17 A	20-Mar-18																		
SR8 (Zone C) - Ch. 528 to Ch. 368				74d	30-Aug-17 A	20-Mar-18																		
Zone C - Tunnel Structure				74d	30-Aug-17 A	20-Mar-18																		
Egress Passage - EP01				74d	30-Aug-17 A	20-Mar-18																		
A9050	Steel Railing - Fabrication & Installation			74d	30-Aug-17 A	20-Mar-18	■ Steel Railing - Fabrication & Installation																	
SR8 (Zone B) - Ch.385.000 to Ch.317.500 - (Inside Victoria Park to Tunnel Portal)				16d	21-Feb-18 A	16-Mar-18																		
SR8 (Zone B) Tunnel - ELS / CCT / BF Works ( 7 Bays Ch. 385.000 to Ch.317.500)				16d	21-Feb-18 A	16-Mar-18																		
Portal Structure				16d	21-Feb-18 A	16-Mar-18																		
Pump House				7d	21-Feb-18 A	28-Feb-18 A																		
Remaining Works inside Pump Sump E				7d	21-Feb-18 A	28-Feb-18 A																		
Pump Sump E Hand Rail				7d	21-Feb-18 A	28-Feb-18 A																		
EXW_2530	Installation of handrail (agreed with CC contract)			7d	21-Feb-18 A	28-Feb-18 A	■ Installation of handrail (agreed with CC contract)																	
Remaining Works in Zone B				15d	28-Feb-18 A	16-Mar-18																		
Egress Passage				15d	28-Feb-18 A	16-Mar-18																		
EXW_2550	Railing installation (2 nos. - 10m)			15d	28-Feb-18 A	16-Mar-18	■ Railing installation (2 nos. - 10m)																	
Works in KD9 (Include Re-provisioning Works of KD4,KD5)				185d	23-Oct-17 A	15-May-18																		
External Works Under KD9				185d	25-Oct-17 A	15-May-18																		
Zone 1				90d	15-Dec-17 A	27-Mar-18																		
Drainage Alignment Confirmation for MH72, 73, 74 due to Tree T1106				90d	15-Dec-17 A	27-Mar-18																		
EXW_1125	Drawing Confirmation and construction for MH2-74A and asociated drainage			8d	15-Dec-17 A	25-Mar-18	■ Drawing Confirmation and construction for MH2-74A and asociated drainage																	
EXW_1145	Pedestrian walkway open to public during Christmas and CNY			90d	23-Jan-18 A	27-Mar-18	■ Pedestrian walkway open to public during Christmas and CNY																	
Zone 2				35d	25-Oct-17 A	04-Apr-18																		
EXW_1890	Irrigation system construction			15d	25-Oct-17 A	04-Apr-18	■ Irrigation system construction																	
EXW_1880	Boundary fence Installation			30d	01-Nov-17 A	04-Apr-18	■ Boundary fence Installation																	
Zone 3				35d	03-Mar-18	16-Apr-18																		
Traffic Island				35d	03-Mar-18	16-Apr-18																		
EXW_2050	Directional sign DS17 steel frame			7d	03-Mar-18*	10-Mar-18	■ Directional sign DS17 steel frame																	
EXW_2060	New VMS6 steel frame			7d	12-Mar-18	19-Mar-18	■ New VMS6 steel frame																	
EXW_2070	TCSS and lighting at island			7d	20-Mar-18	26-Mar-18	■ TCSS and lighting at island																	
EXW_2080	JTIS (3 nos. footings, 1 no. concrete plinth)			14d	27-Mar-18	16-Apr-18	■ JTIS (3 nos. footings, 1 no. concrete plinth)																	
Zone 4 up to Elderly Facilities				90d	30-Jan-18 A	15-May-18																		



Activity ID	Activity Name	Original Duration	Start	Finish	2018											
					Feb	Mar			Apr			May			Jun	
Elderly Facilities V/039 Received on 22 Jun 2017		90d	30-Jan-18 A	15-May-18												
EXW_2270	Facilities fabrication	90d	30-Jan-18 A	15-May-18	Facilities fabrication											
Additional Walkway & Arbour V/040 Received on 22 Aug 2017		60d	15-Feb-18 A	12-Apr-18												
EXW_2300	Arbour confirmation and fabrication	60d	15-Feb-18 A	16-Mar-18	Arbour confirmation and fabrication											
EXW_2310	Assiciated drainage works for the walkway	20d	17-Mar-18	12-Apr-18	Assiciated drainage works for the walkway											
Reverting Traffic for IEC,VP Rd & TF St & Seawall Reinstatement (KD9)		98d	18-Jan-18 A	05-May-18												
TTA Revert Traffic Back to Original Alignment		86d	18-Jan-18 A	23-Apr-18												
East Bound TTA - IEC East Bound, Victoria Park Road & footpath along Sea Side		45d	31-Jan-18 A	05-Apr-18												
TTM Stage 1 - IEC (East Bound)		6d	28-Feb-18	05-Mar-18												
Reinstatement Existing Structure		6d	28-Feb-18	05-Mar-18												
EB_1020	Install metal parapet on parapet wall (30m)	6d	28-Feb-18	05-Mar-18	Install metal parapet on parapet wall (30m)											
TTM Stage 2 - Revert Traffic back to Original Victoria Road		4d	06-Mar-18	09-Mar-18												
Existing Bridge Parapet Reinstatement		4d	06-Mar-18	09-Mar-18												
EB_1180	Install metal parapet on parapet wall (40m)	4d	06-Mar-18	09-Mar-18	Install metal parapet on parapet wall (40m)											
TTM Stage 3 - Reinstatement of Footpath along Seafront		45d	31-Jan-18 A	05-Apr-18												
Reinstatement Works in Traffic Deck Part A		31d	31-Jan-18 A	19-Mar-18												
EB_1540	Break two concrete footings	2d	31-Jan-18 A	16-Mar-18	Break two concrete footings											
EB_1520	Break pipe piles and cut sheet pile	6d	10-Feb-18 A	26-Feb-18 A	Break pipe piles and cut sheet pile											
EB_1530	Backfill Subbase material up to Formation Level (Avg. 1.5m height, by SRT method of 0.3m each layer, 5 layers)	3d	17-Mar-18	19-Mar-18	Backfill Subbase material up to Formation Level (Avg. 1.5m height, by SRT method of 0.3m each layer, 5 layers)											
Reinstatement of Existing Gas Main		17d	20-Mar-18	05-Apr-18												
EB_1560	Excavation for DN400mm Gas main	3d	20-Mar-18	22-Mar-18	Excavation for DN400mm Gas main											
EB_1570	Laying DN400mm gas main by HKCG at VPR footpath	14d	23-Mar-18	05-Apr-18	Laying DN400mm gas main by HKCG at VPR footpath											
West Bound - IEC West Bound & Tsing fung Street		86d	18-Jan-18 A	23-Apr-18												
TTM Stage 2 - Revert Traffic back to Original Tsing Fung Street		5d	28-Feb-18	04-Mar-18												
Existing Bridge Parapet Reinstatement		5d	28-Feb-18	04-Mar-18												
IECW_1140	Install metal parapet on parapet wall (60m)	5d	28-Feb-18	04-Mar-18	Install metal parapet on parapet wall (60m)											
TTM Stage 3 - Reinstatement of Victoria Park		86d	18-Jan-18 A	23-Apr-18												
Reinstatement Works in Traffic Deck		48d	18-Jan-18 A	16-Mar-18												
IECW_1390	Cut pipe piles and sheet pile	5d	18-Jan-18 A	13-Mar-18	Cut pipe piles and sheet pile											
IECW_1400	Backfill General Fill Material up to Formation Level (Avg. 1.5m height, by SRT method of 0.3m each layer, 5 layers)	3d	14-Mar-18	16-Mar-18	Backfill General Fill Material up to Formation Level (Avg. 1.5m height, by SRT method of 0.3m each layer, 5 layers)											
Reinstatement Works inside Victoria Park		60d	29-Jan-18 A	23-Apr-18												
IECW_1440	Reinstatement of Boundary Fence	21d	29-Jan-18 A	17-Mar-18	Reinstatement of Boundary Fence											
IECW_1460	Cutting sheet pile to 1.5m below finish slope profile (MS 169B)	10d	19-Mar-18	28-Mar-18	Cutting sheet pile to 1.5m below finish slope profile (MS 169B)											
IECW_1470	Slope Reinstatement of Victoria Park	21d	26-Mar-18	23-Apr-18	Slope Reinstatement of Victoria Park											
Completion of Minor Outstanding / Remaining Works for KD9		67d	28-Feb-18	05-May-18												
West Bound - Completion of Minor Outstanding / Remaining Works for KD9		67d	28-Feb-18	05-May-18												
Minor Reinstatement Works for Tsing Fung Street		13d	18-Mar-18	30-Mar-18												
IECW_1530	Laying Public Lighting duct	6d	18-Mar-18	23-Mar-18	Laying Public Lighting duct											
IECW_1540	Installation of public lighting post and connection by HyD	7d	24-Mar-18	30-Mar-18	Installation of public lighting post and connection by HyD											
IECW_1550	Well compact road formation level and subbase for SRT	6d	24-Mar-18	29-Mar-18	Well compact road formation level and subbase for SRT											
Minor Reinstatement Works in IEC West Bound		67d	28-Feb-18	05-May-18												
IECW_1600	Replacement of new movement joint at IEC W/B (Sun midnight only)	8d	28-Feb-18	07-Mar-18	Replacement of new movement joint at IEC W/B (Sun midnight only)											
IECW_1630	Repairing of 300 dia. concrete pipeline by lining under slow lane of IEC W/B	2d	28-Feb-18*	01-Mar-18	Repairing of 300 dia. concrete pipeline by lining under slow lane of IEC W/B											
IECW_1610	Repairing of extg conc deck surface after milling of temp asphalt at IEC W/B and E/B (Sun midnight only)	59d	08-Mar-18	05-May-18	Repairing of extg conc deck surface after milling of ten											



中國建築工程(香港)有限公司  
CHINA STATE CONSTRUCTION ENGRG. (HONG KONG) LTD.

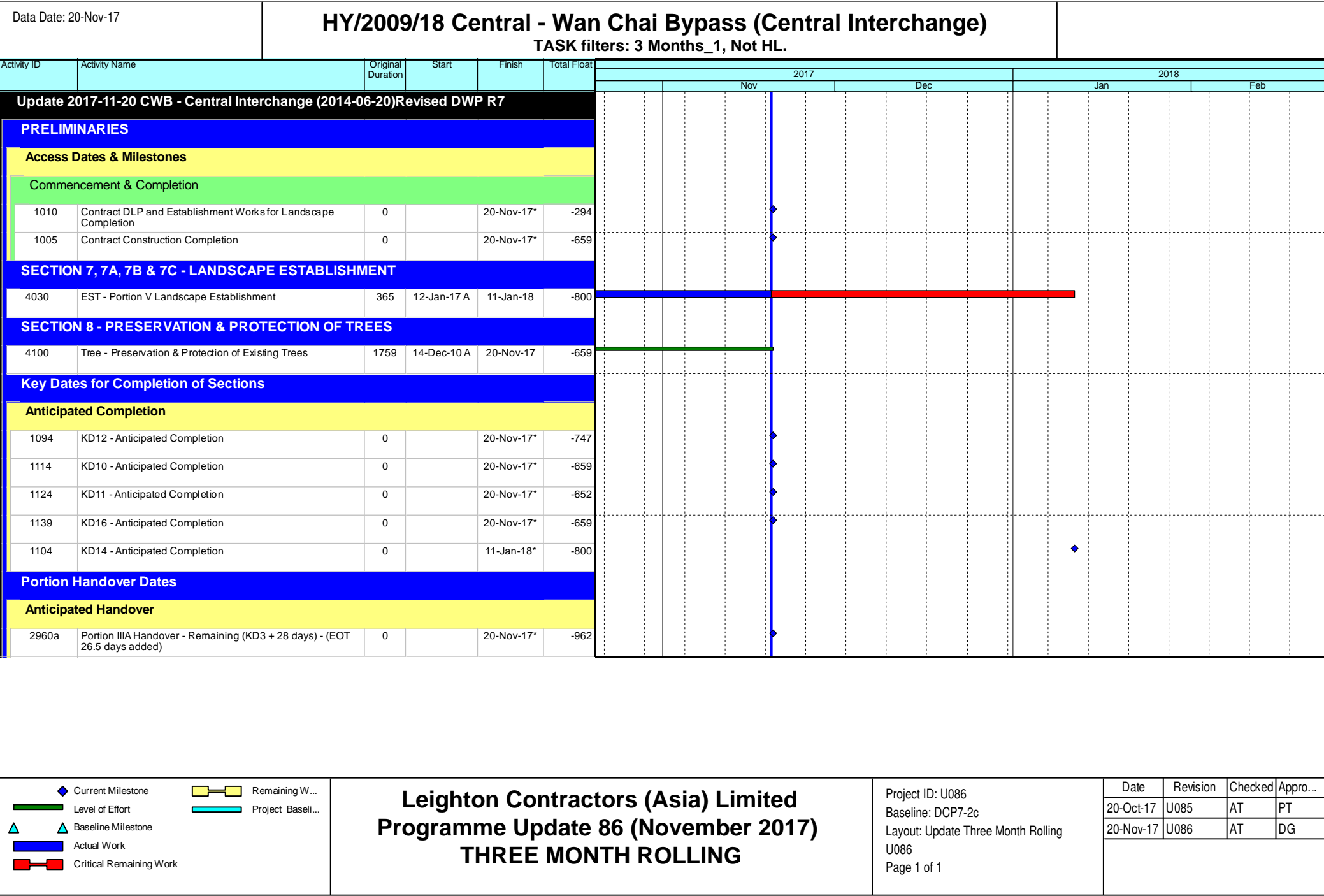
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

Page 2 of 3

Contract No. HY/2010/08: Central - Wanchai Bypass Tunnel +(Slip Road 8 Section) - 3 Months Rolling Progamme

Date	Revision	Checked	Approved
20-Feb-18	DWP-08 (2) - 3 Months Rolling	TL	TL

Activity ID		Activity Name		Original Duration	Start	Finish	2018												
							Feb			Mar			Apr			May			Jun
Works in Victoria Park (KD4, KD5, KD9)																			
Re-Provisioning Works																			
Nursery Compound																			
Nursery compound																			
ABWF																			
Finishes & Waterproofing																			
VP_NC_1500	External wall tile cleaning	3d	23-Oct-17 A	20-Mar-18															
VP_NC_1420	Painting to wall & ceiling in general (final coat)	4d	15-Mar-18*	19-Mar-18															
Switch room Cut-out Frame & Chequer Plate																			
VP_NC_1690	Installation	1d	13-Feb-18 A	14-Feb-18 A															
Signage																			
VP_NC_1720	Installation	7d	21-Feb-18 A	28-Feb-18 A															
Metal Fence																			
VP_NC_1820	Installation	30d	15-Jan-18 A	29-Mar-18															
E&M																			
VP_NC_1890	Form WR1 submission	7d	09-Feb-18 A	13-Feb-18 A															
VP_NC_1900	Expected power on date	7d	14-Feb-18 A	14-Feb-18 A															
Fire Srevices																			
VP_NC_1960	Pump and water pipe installation	10d	22-Dec-17 A	10-Mar-18															
VP_NC_1980	Hose Reel installation, Breakglass and Alarm	3d	10-Feb-18 A	13-Feb-18 A															
VP_NC_1930	FS pipe connection from u/g to water meter room	2d	24-Feb-18 A	28-Feb-18 A															
Plimbing and Flushing Water Supplies																			
VP_NC_2080	Cleaning of potable water pipe and sampling to WSD	7d	17-Feb-18 A	26-Feb-18 A															
VP_NC_2100	WSD Inspection	14d	28-Feb-18	15-Mar-18															
GRP Water Tank Installation																			
VP_NC_2130	Final As-fitted drawing submisison to WSD	7d	30-Jan-18 A	06-Feb-18 A															
External Works Aside Nursery Compound																			
Drainage																			
VP_NC_2150	U channel at toilet	2d	30-Jan-18 A	31-Jan-18 A															
VP_NC_2190	SS angle to shower room u channel	1d	31-Jan-18 A	31-Jan-18 A															
VP_NC_2140	Drainage work at External area	15d	28-Feb-18	16-Mar-18															
Water Works																			
VP_NC_2220	FS Fresh & Salt Water, Fresh Water and Irrigation System	15d	07-Feb-18 A	27-Feb-18 A															
External Works Around Nursery Comnpound																			
VP_NC_2250	Reinstatement of Existing Boundary Fence Wall Around Nursery Compound	45d	28-Feb-18	24-Apr-18															
KD10 - Preservation and Protection of Trees																			
PPT_0000	Preservation and Protection of Existing Trees	1088d	21-Mar-13 A	21-Jun-18															
KD15 & KD8 - Mooring Components Upkeep (CBTS and ATS)																			
MAR_3020	Mooring Upkeep at Portion X(10) & XVI(16) - CBTS	979d	15-May-14 A	28-Feb-18															





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		TASK filters: 3 Months_4, 3MRP, No Original Sections, No Summary, Not HL.																
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018												
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PO-Xa_1	Possession of Portion Xa (Day 650) - ADB Southern Portion (AECOM letter ref: 2015007890T)	589	07-Mar-16 A	20-Mar-18	-323													
PO-Xb_1	Possession of Portion Xb (Day 804) - ADB Northern Portion	589	07-Mar-16 A	20-Mar-18	-323													
PO-Vb1	Possession of Portion V (Day 607) - SR3	587	11-Mar-16 A	20-Mar-18	180													
PO-Ia	Possession of Portion Ia (Day 789) - SCB / SCP1 / SCP2 / Rumsey Street Flyover	600	28-Mar-16 A	20-Mar-18	-307													
PO-VII_a2	Possession of Portion VII (Day 762) - CH3800-3911 (below -6.0mPD)	567	31-Mar-16 A	20-Mar-18	-250													
PO-IXc_1	Possession of Portion IXc (Day 712) - EVB above 3.6mPD - Relinquished on 12 Apr 2016	445	29-Jul-16 A	20-Mar-18	-274													
PO-IXb_1	Possession of Portion IXb (Day 712) - EVB (below +3.6mPD to tunnel top slab) - Relinquished on 12 Apr 2016	445	05-Aug-16 A	20-Mar-18	-274													
PO-VIa_a	Possession of Portion VIa (Day 823) - CH3250-3283	425	15-Aug-16 A	20-Mar-18	-269													
PO-Vb2_a	Possession of Portion V (Day 607) - SR2	456	15-Aug-16 A	20-Mar-18	-265													
PO-VIc_a	Possession of Portion VIc (Day 761) - CH3770-3800 (Access Shaft Opening)	391	23-Sep-16 A	20-Mar-18	-264													
PO-VIb_c	Possession of Portion VIb (Day 761) - CH3625-3770	391	23-Sep-16 A	20-Mar-18	-279													
PO-IVa1	Possession of Portion IVa (Day 930) - CH2600-2720	323	30-Nov-16 A	20-Mar-18	-271													
PO-IVb2	Possession of Portion IVb (Day 930) - MVB (GL D-H)	233	28-Feb-17 A	20-Mar-18	-320													
PO-VIIIa_a	Possession of Portion VIIIa (Day 929) - CH4530-4591 W/B	233	28-Feb-17 A	20-Mar-18	-245													
PO-VIIIa	Possession of Portion VIIIa (Day 929) - CH4250-4600 (Remaining)	241	12-Mar-17 A	20-Mar-18	-245													
PO-VIIIb	Possession of Portion VIIIb (Day 929) - SR8 (CH700-350)	233	12-Mar-17 A	20-Mar-18	-192													
PO-VIIIc	Possession of Portion VIIIc (Day 1039) - SR8 (CH350-310) / SCP4	233	12-Mar-17 A	20-Mar-18	-241													
PO-IVa2_a	Possession of Portion IVa (Day 930) - CH2720-2950	241	12-Mar-17 A	20-Mar-18	-267													
PO-IVb1	Possession of Portion IVb (Day 930) - MVB (GL A-C)	239	14-Mar-17 A	20-Mar-18	-320													
PO-IVa2_b	Possession of Portion IVa (Day 930) - SR1	203	30-Mar-17 A	20-Mar-18	-267													
PO-Vb2_b	Possession of Portion V (Day 607) - SCP3	182	03-Jul-17 A	20-Mar-18	-265													
PO-VIb_a	Possession of Portion VIb (Day 761) - CH3400-3428	80	31-Jul-17 A	20-Mar-18	-264													
PO-VIa_b	Possession of Portion VIa (Day 823) - CH3283-3400	80	31-Jul-17 A	20-Mar-18	-284													
PO-IVc	Possession of Portion IVc (Day 1144) - MVB (above +5.0mPD)	111	20-Feb-18	10-Jun-18	-262													

Current Milestone

Level of Effort

Baseline Milestone

Actual Work

Critical Remaining Work

Remaining Work

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◆ Current Milestone

▬ Level of Effort

▲ Baseline Milestone

▬ Actual Work

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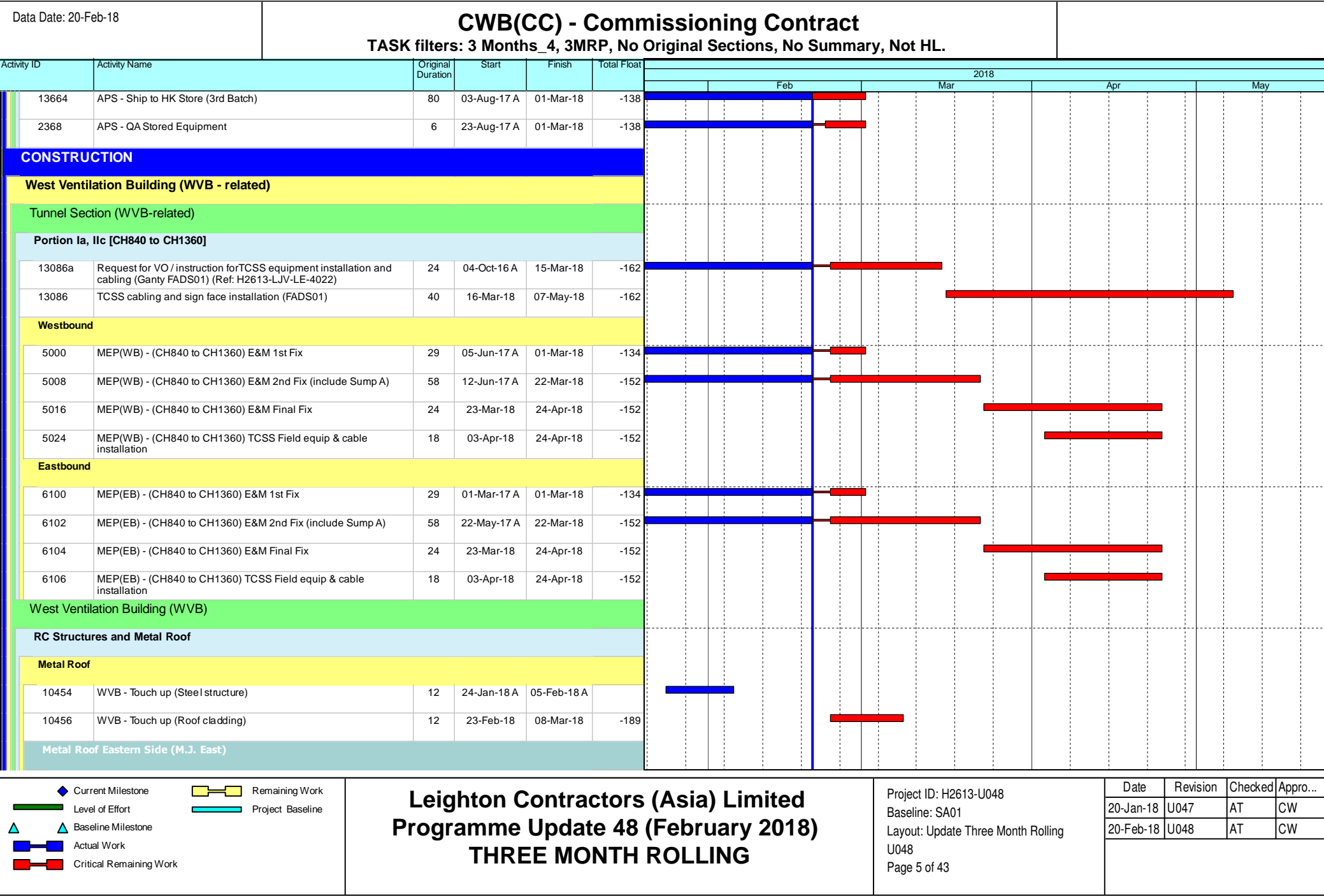
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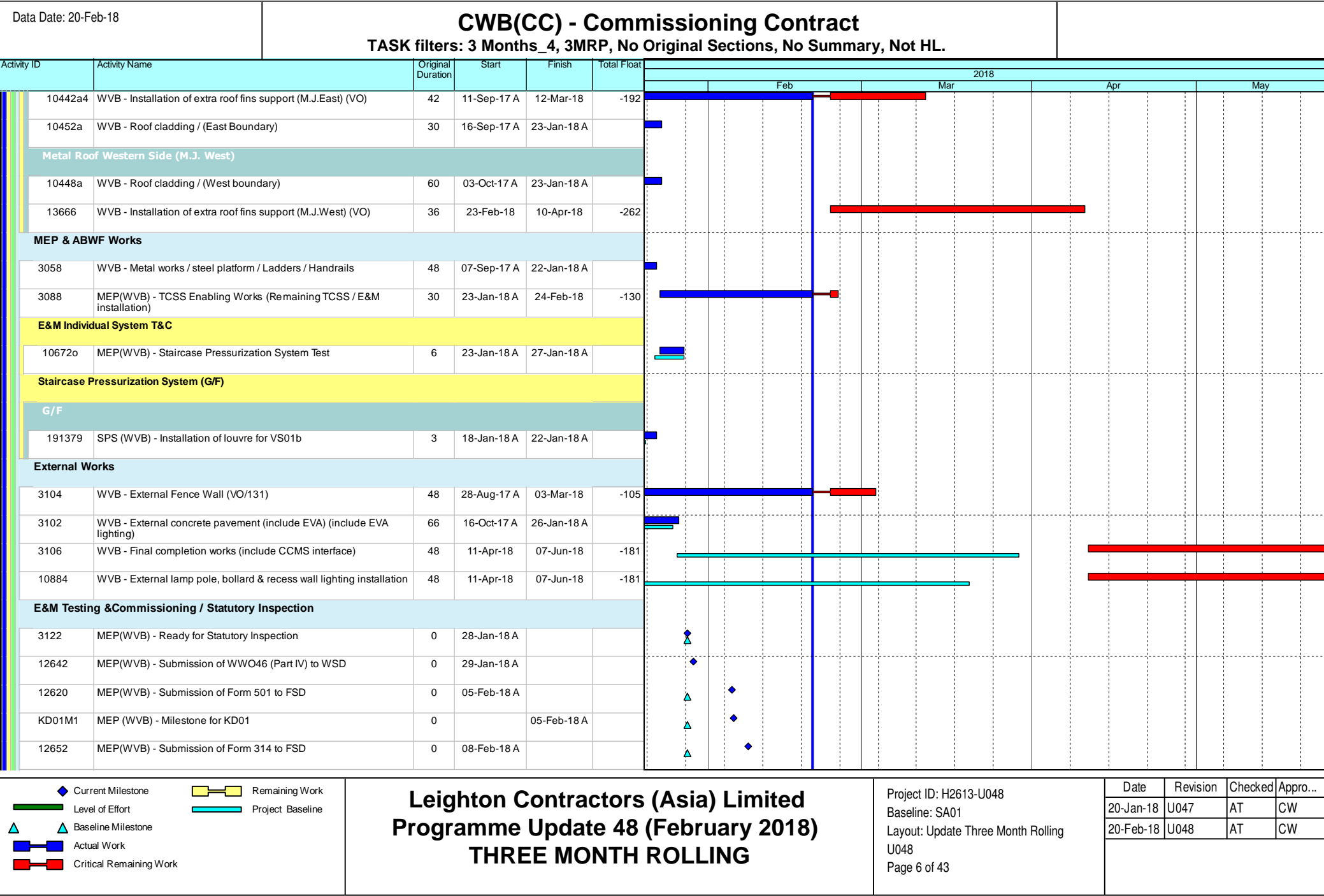








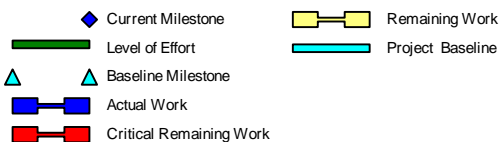
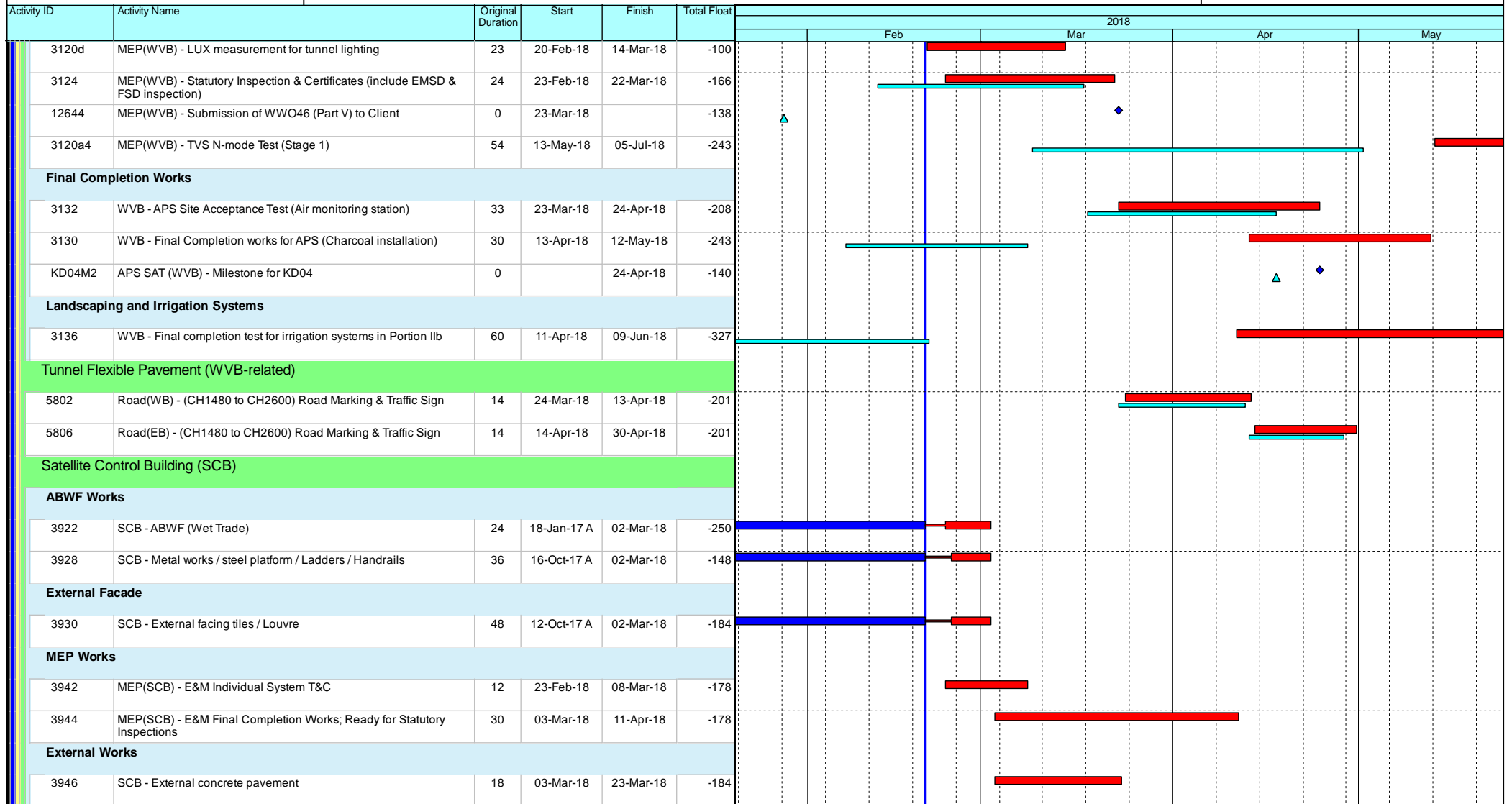




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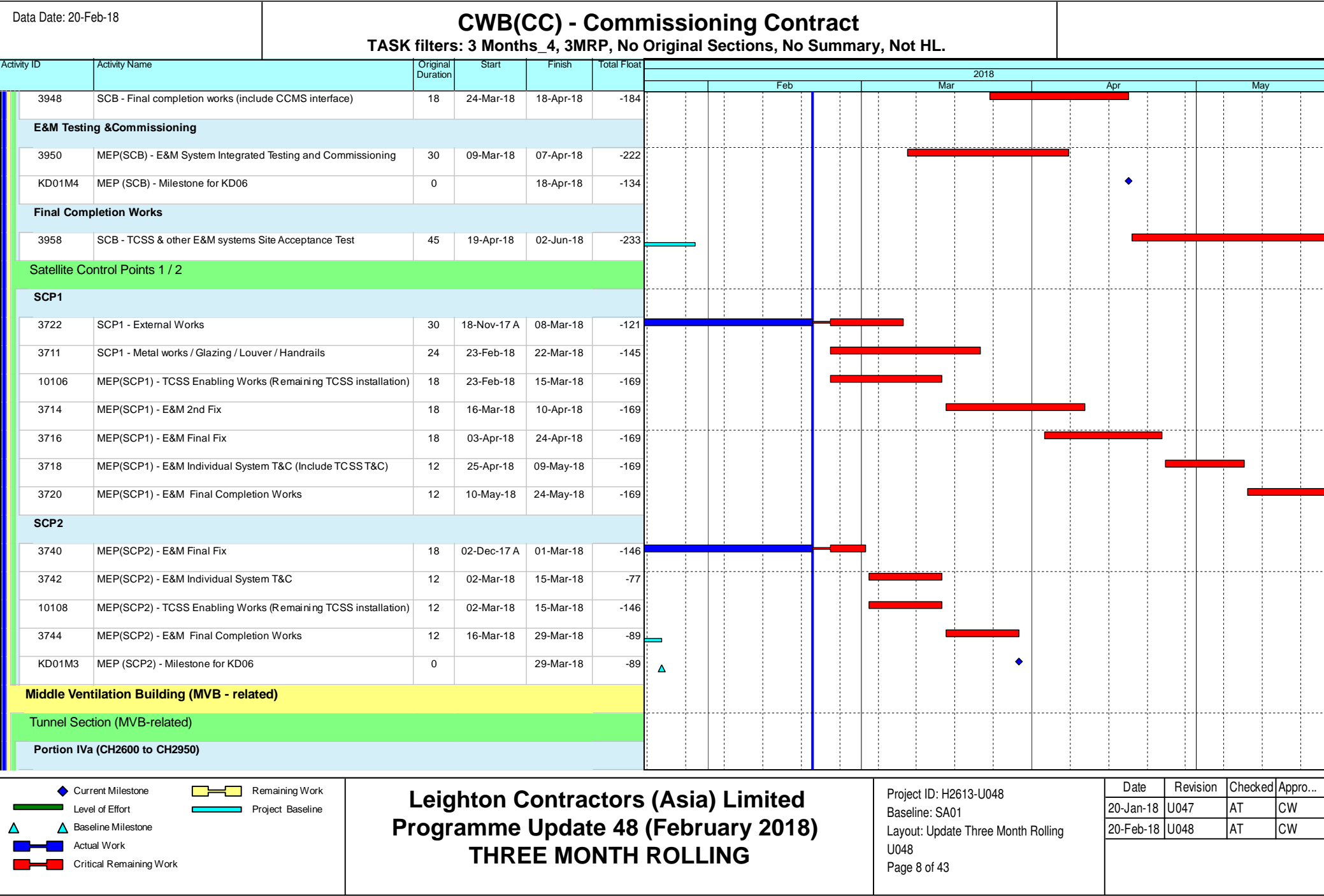
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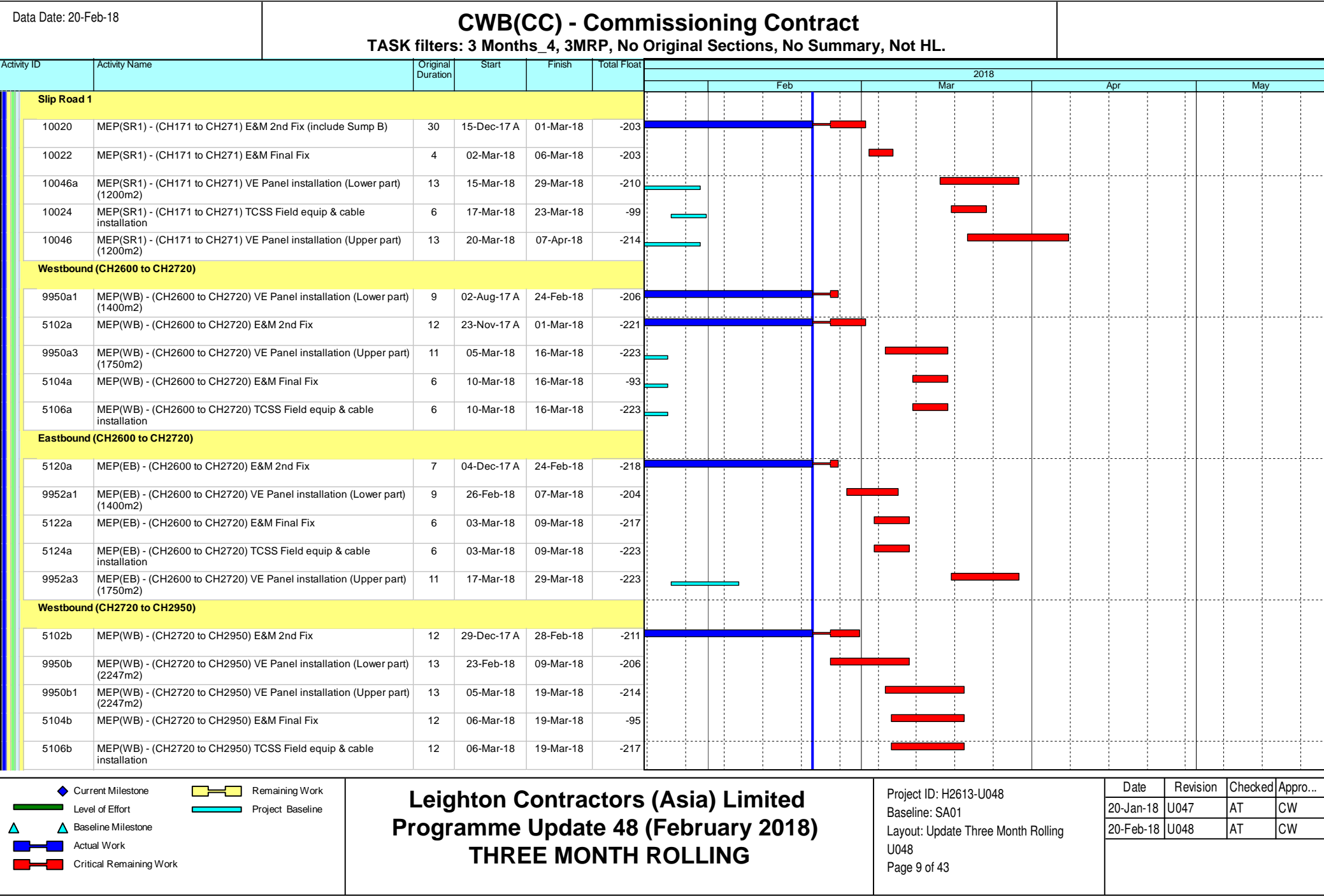
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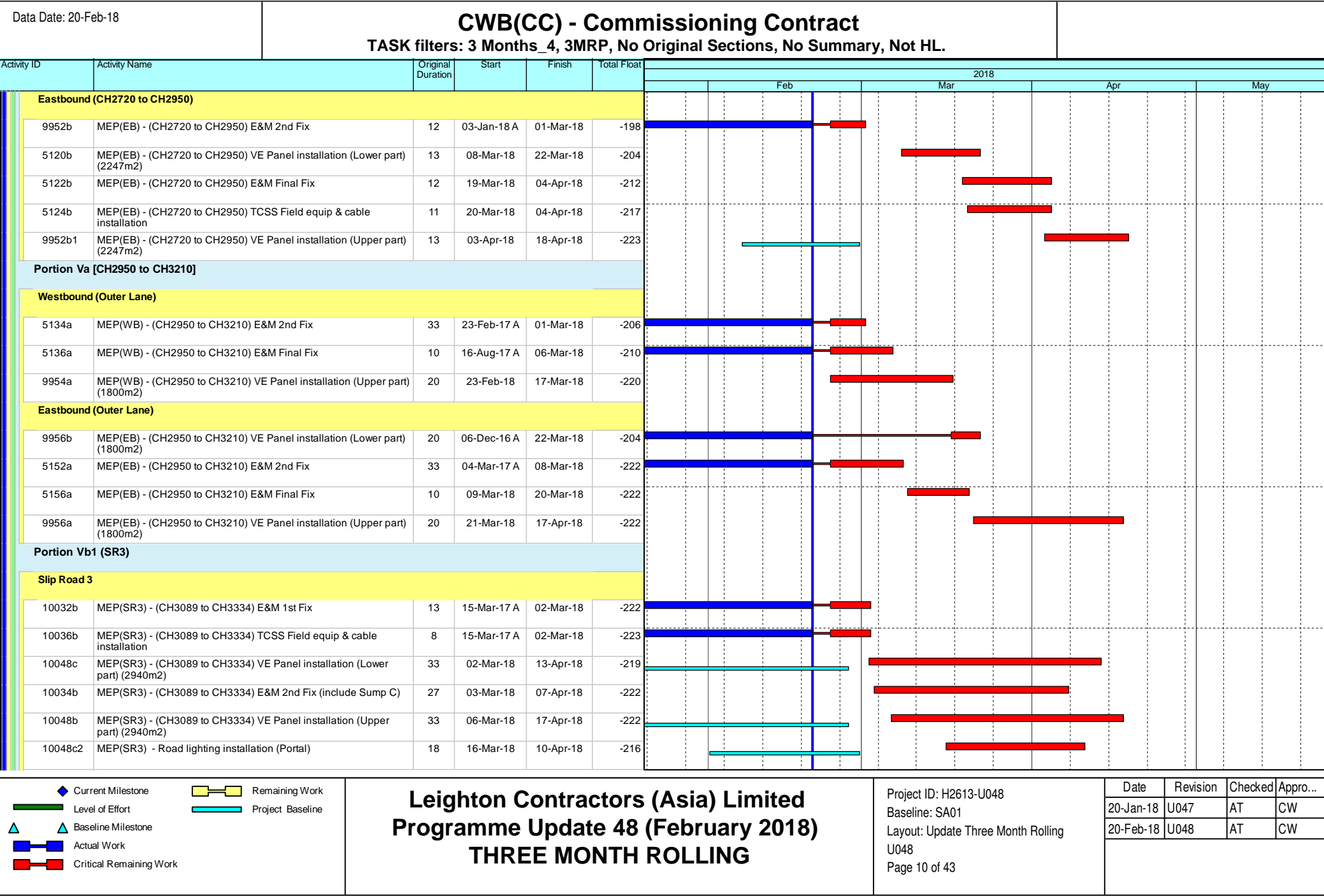
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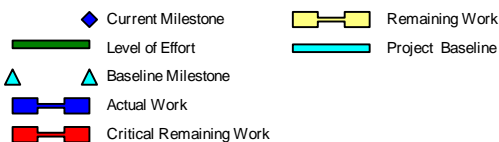
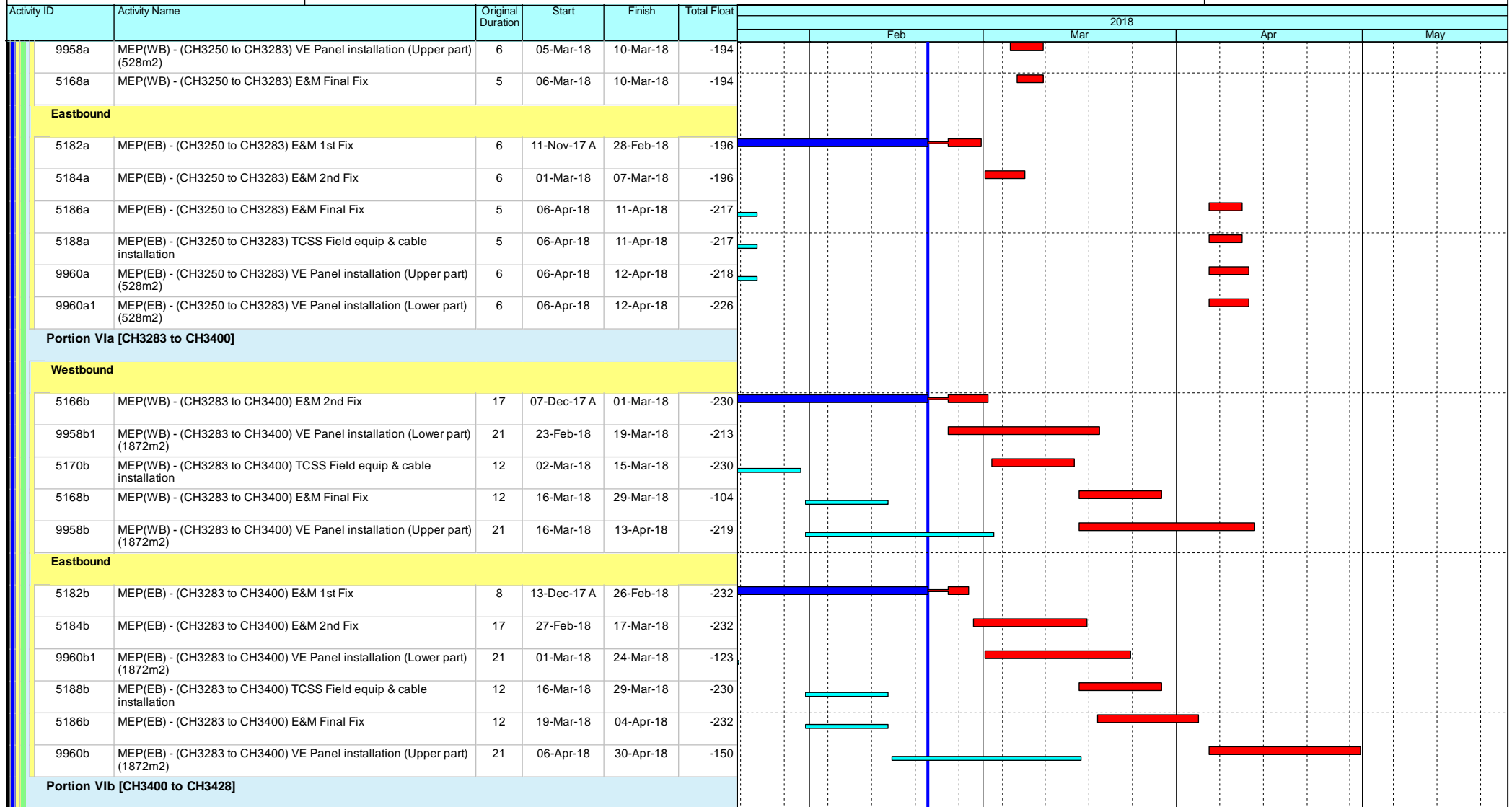




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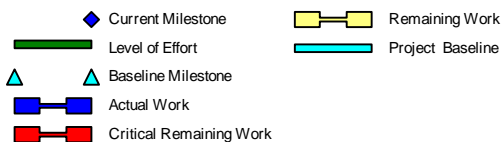




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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018											
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Westbound																	
5198b3	MEP(WB) - (CH3625 to CH3770) E&M 2nd Fix	12	09-Mar-18	22-Mar-18	-165												
5202b3	MEP(WB) - (CH3625 to CH3770) TCSS Field equip & cable installation	12	23-Mar-18	10-Apr-18	-165												
5200b3	MEP(WB) - (CH3625 to CH3770) E&M Final Fix	12	11-Apr-18	24-Apr-18	-122												
9962b3	MEP(WB) - (CH3625 to CH3770) VE Panel installation (Upper part) (1740m2)	20	11-Apr-18	04-May-18	-165												
Eastbound																	
12240b3	Vlb(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1740m2)	20	28-Feb-17 A	08-Mar-18	-228												
5214b3	MEP(EB) - (CH3625 to CH3770) E&M 1st Fix	12	04-Nov-17 A	12-Mar-18	-228												
5216b3	MEP(EB) - (CH3625 to CH3770) E&M 2nd Fix	12	06-Mar-18	19-Mar-18	-228												
9964b3a	MEP(EB) - (CH3625 to CH3770) VE Panel installation (Lower part) (1740m2)	20	09-Mar-18	04-Apr-18	-226												
5218b3	MEP(EB) - (CH3625 to CH3770) E&M Final Fix	12	13-Mar-18	26-Mar-18	-228												
5220b3	MEP(EB) - (CH3625 to CH3770) TCSS Field equip & cable installation	10	15-Mar-18	26-Mar-18	-228												
9964b3	MEP(EB) - (CH3625 to CH3770) VE Panel installation (Upper part) (1740m2)	21	27-Mar-18	24-Apr-18	-228												
Middle Ventilation Building (MVB)																	
Establishment Works																	
3220	MVB - Construct road and road drainage works in Area D & E	28	09-Nov-17 A	03-Mar-18	-262												
RC Structures and Metal Roof																	
Metal Roof																	
3256	MVB - Install Metal Deck	48	13-Nov-17 A	31-Jan-18 A													
12274	MVB - Steel structure paintworks / water test / cleaning / fall arrest system	30	01-Feb-18 A	22-Mar-18	-228												
External Facade																	
3238	MVB - External facing tiles / Louvre	90	06-Nov-17 A	27-Mar-18	-208												
MEP Works																	
3280	MEP(MVB) - Lift Installation	70	10-Nov-17 A	21-Feb-18	-286												



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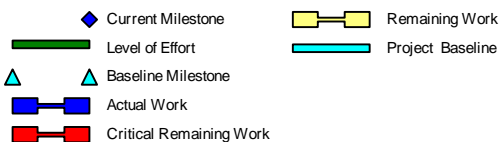
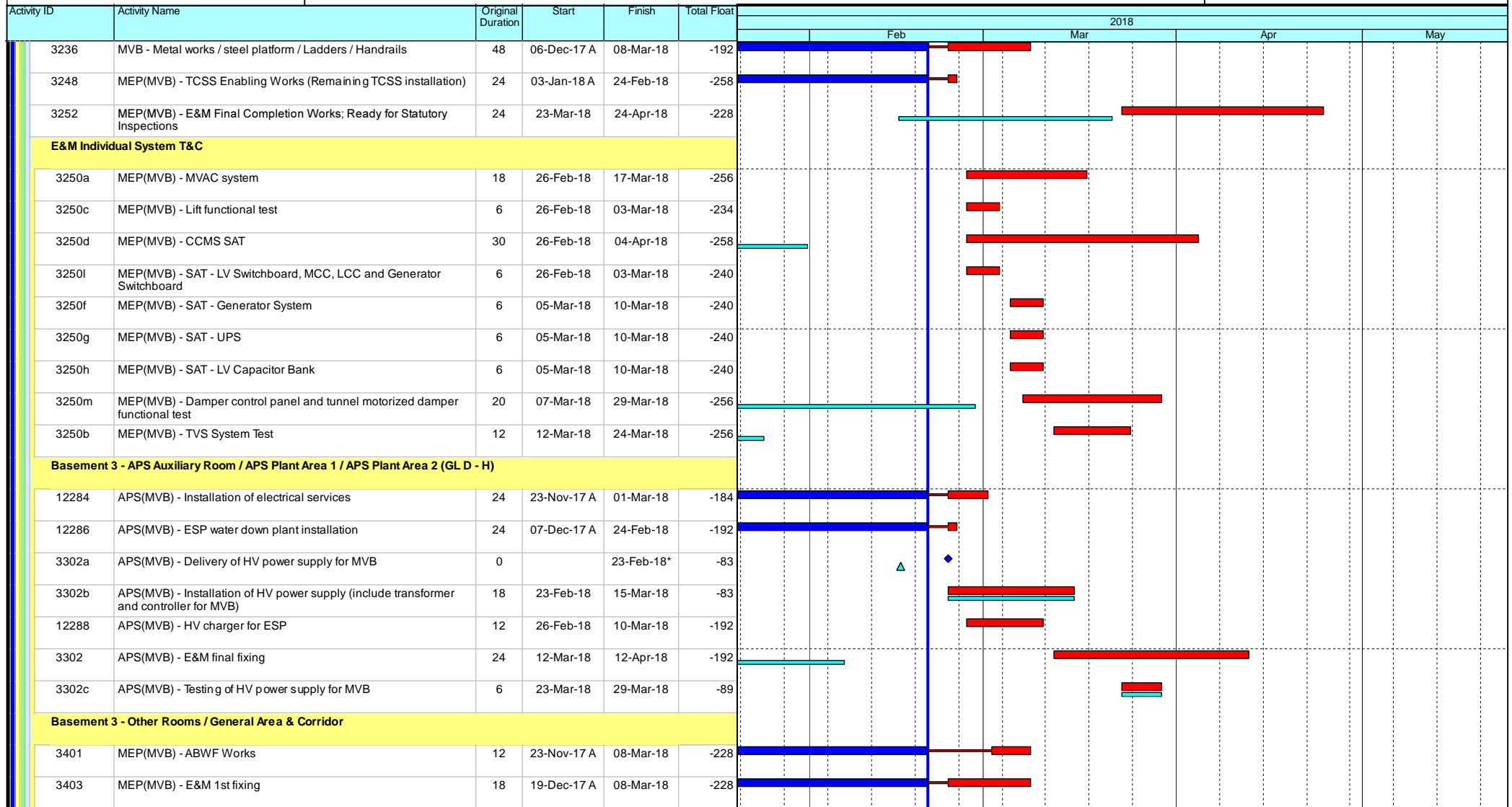
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## CWB(CC) - Commissioning Contract

**TASK filters: 3 Months\_4, 3MRP, No Original Sections, No Summary, Not HL.**



### Leighton Contractors (Asia) Limited

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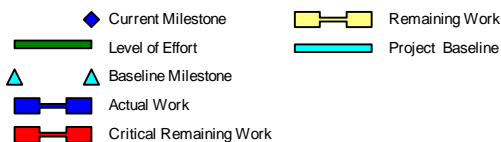
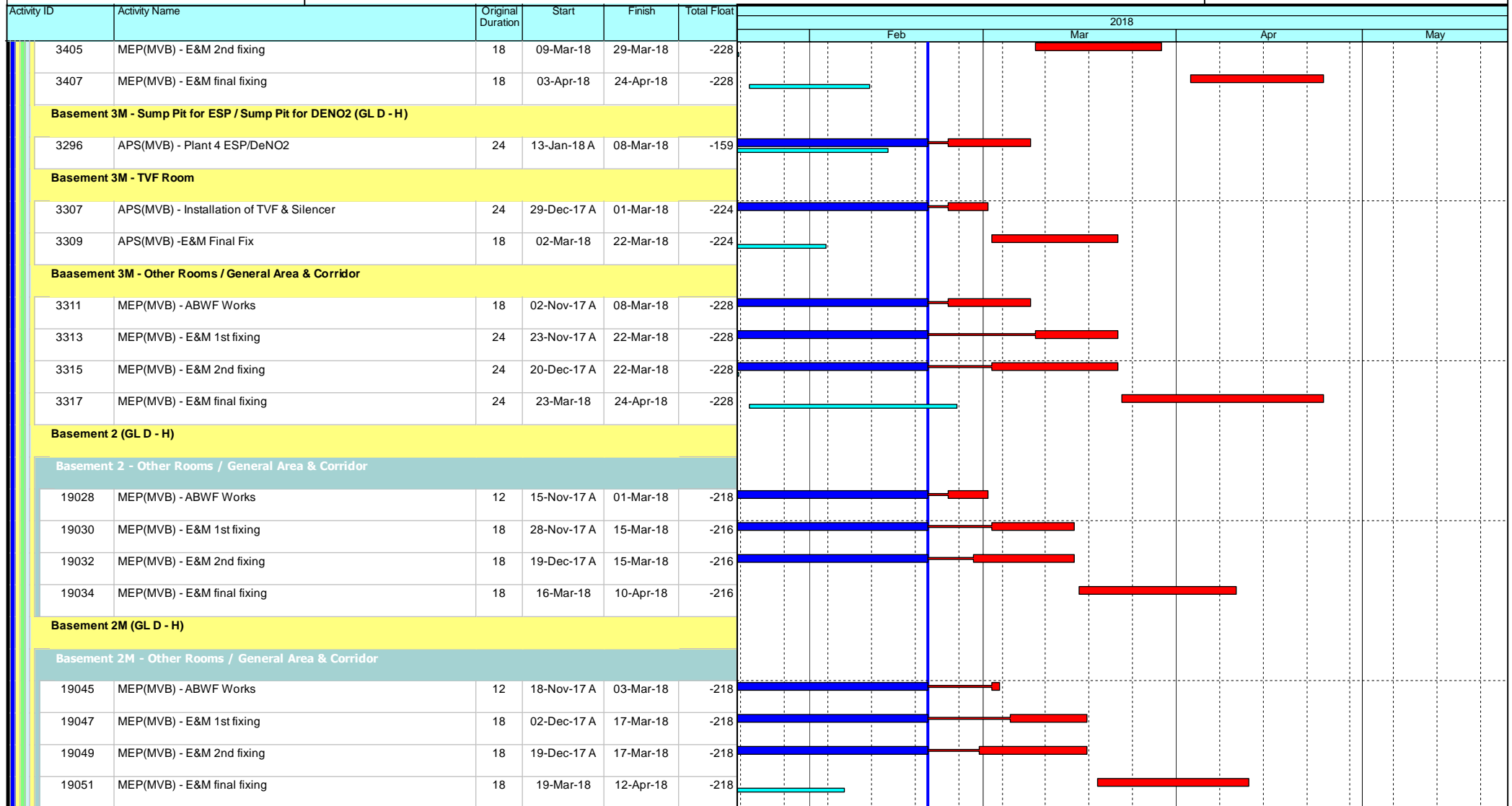
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## CWB(CC) - Commissioning Contract

TASK filters: 3 Months\_4, 3MRP, No Original Sections, No Summary, Not HL.



### Leighton Contractors (Asia) Limited

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### THREE MONTH ROLLING

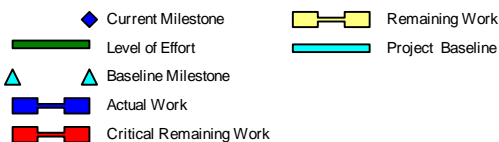
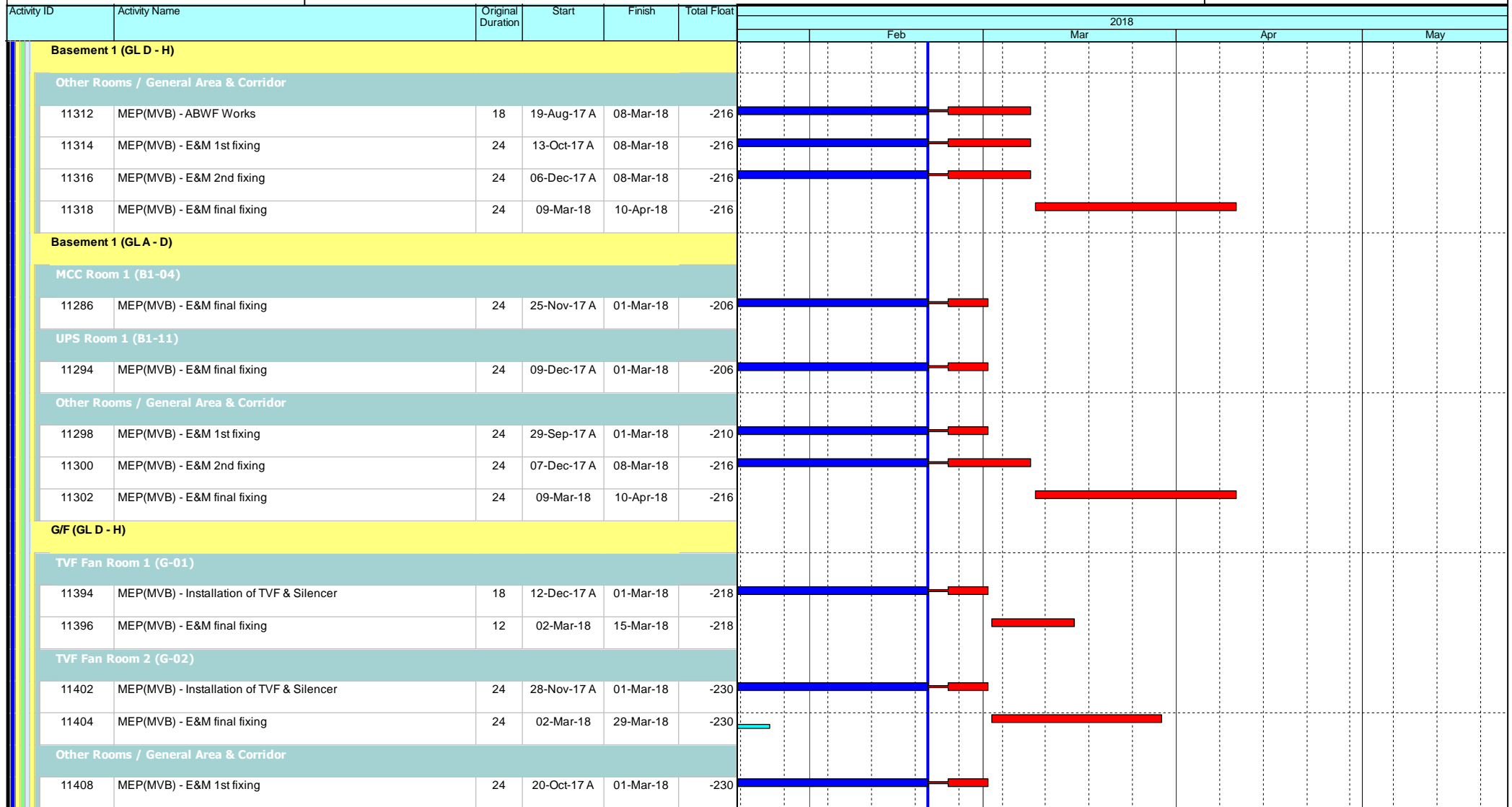
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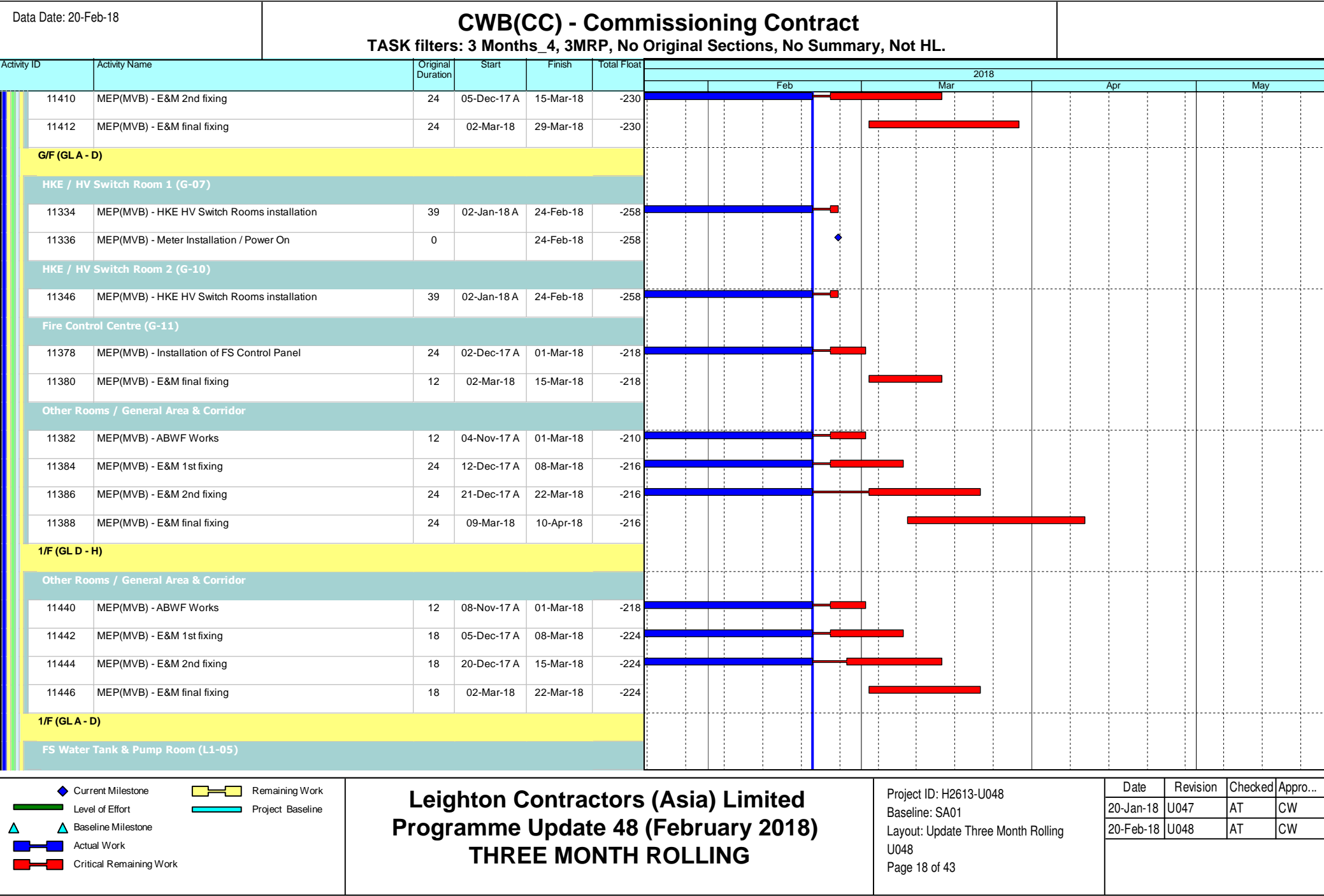
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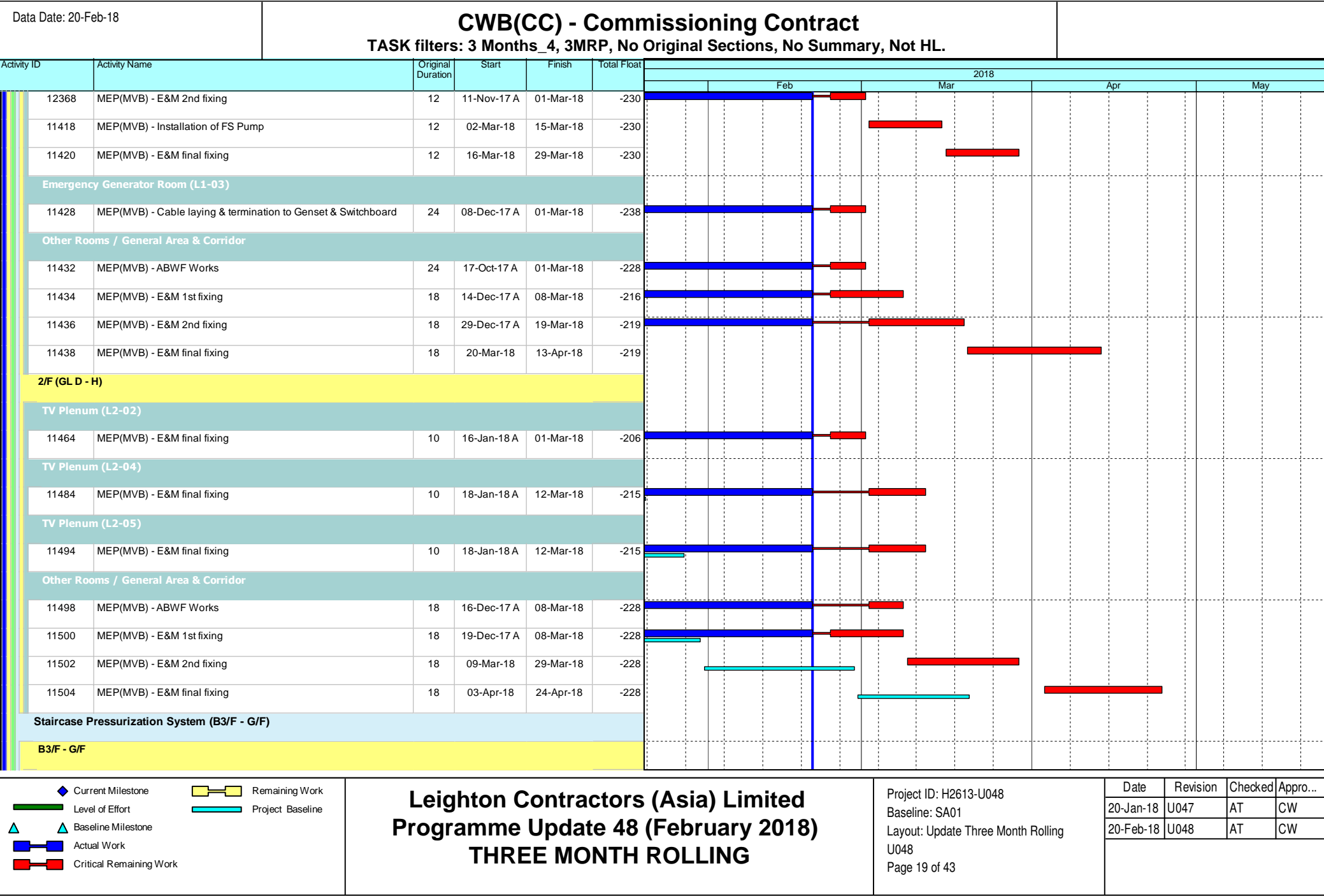
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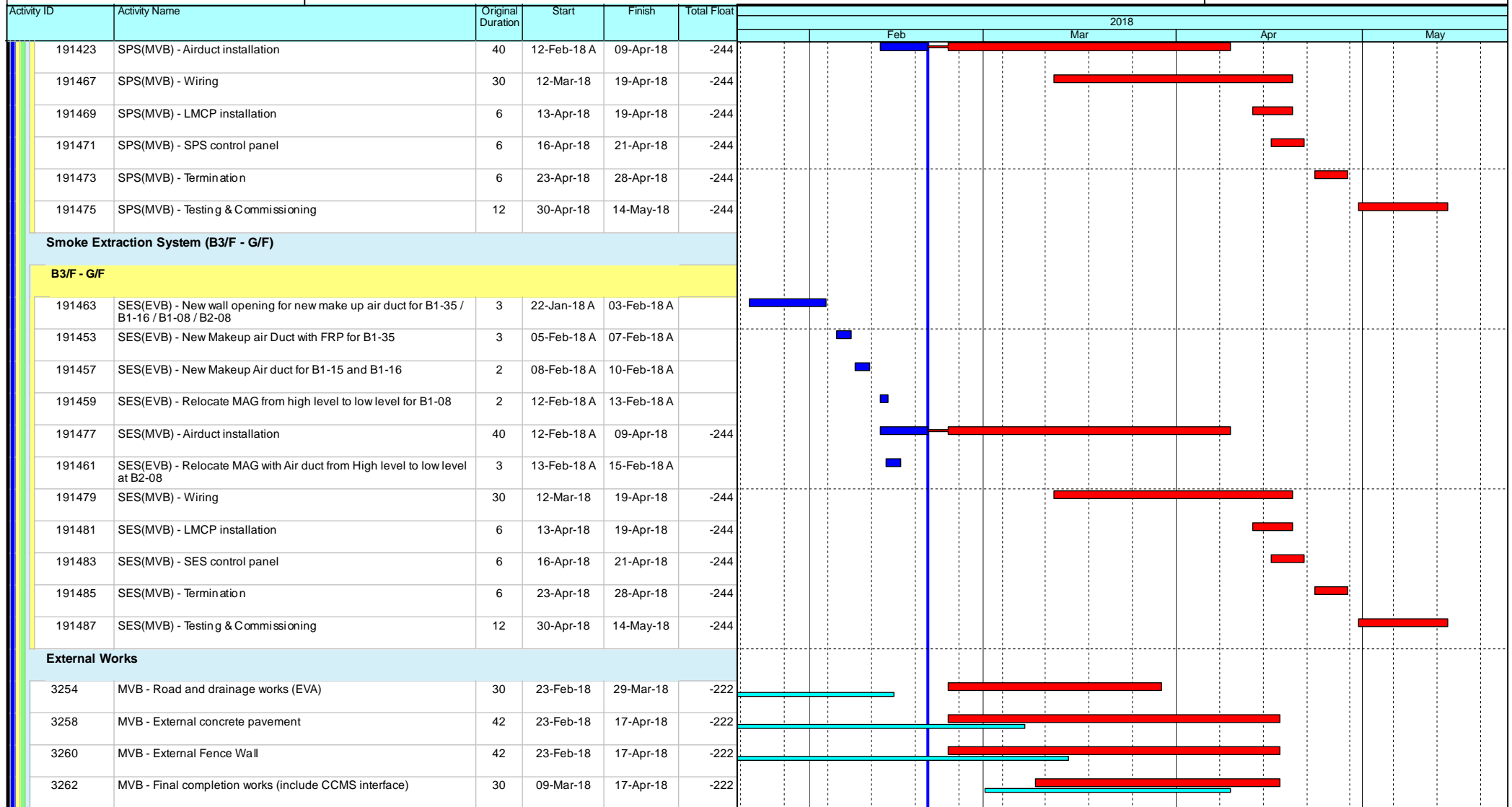




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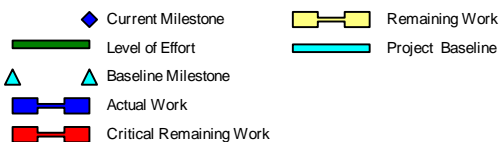
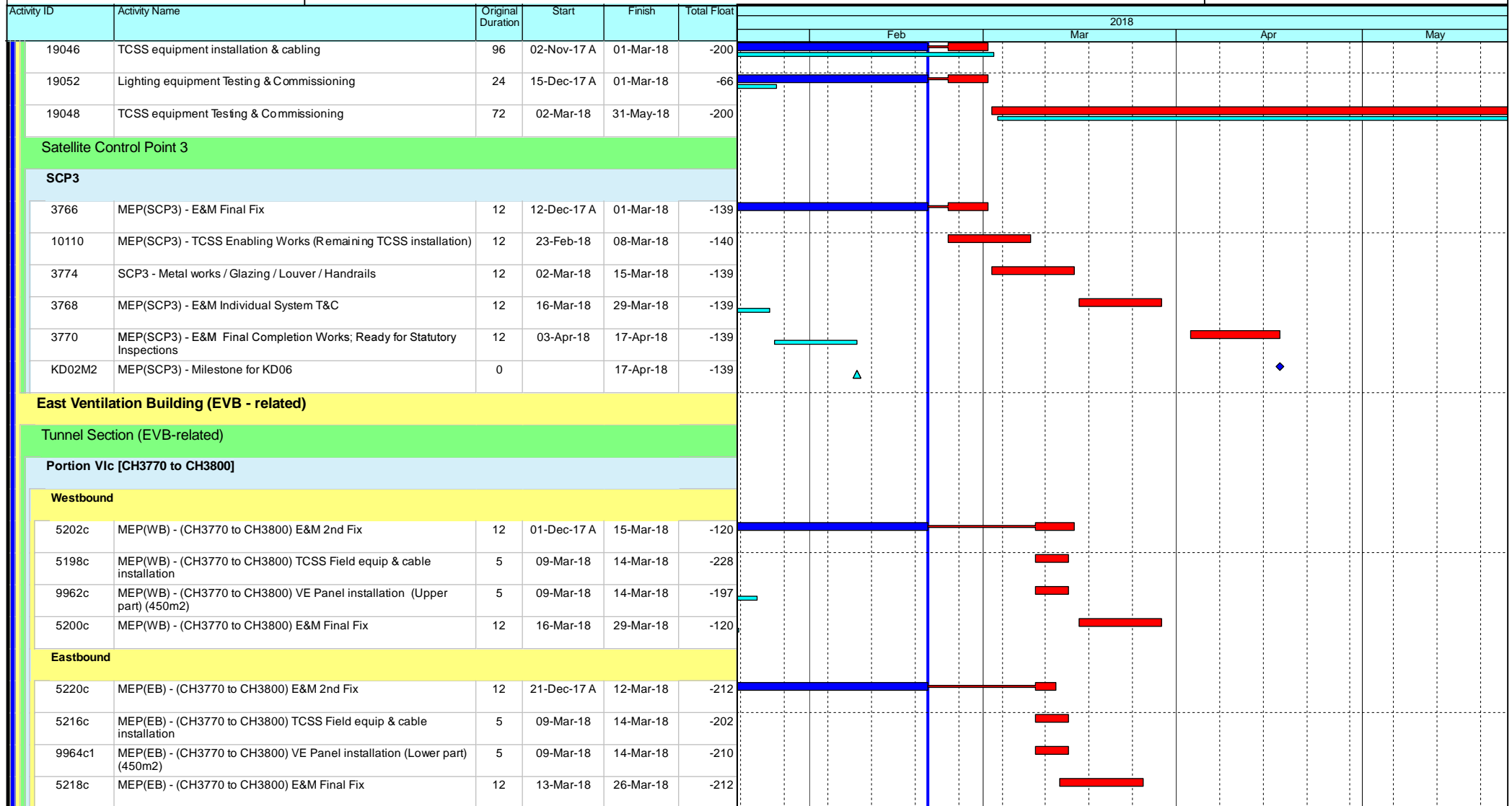




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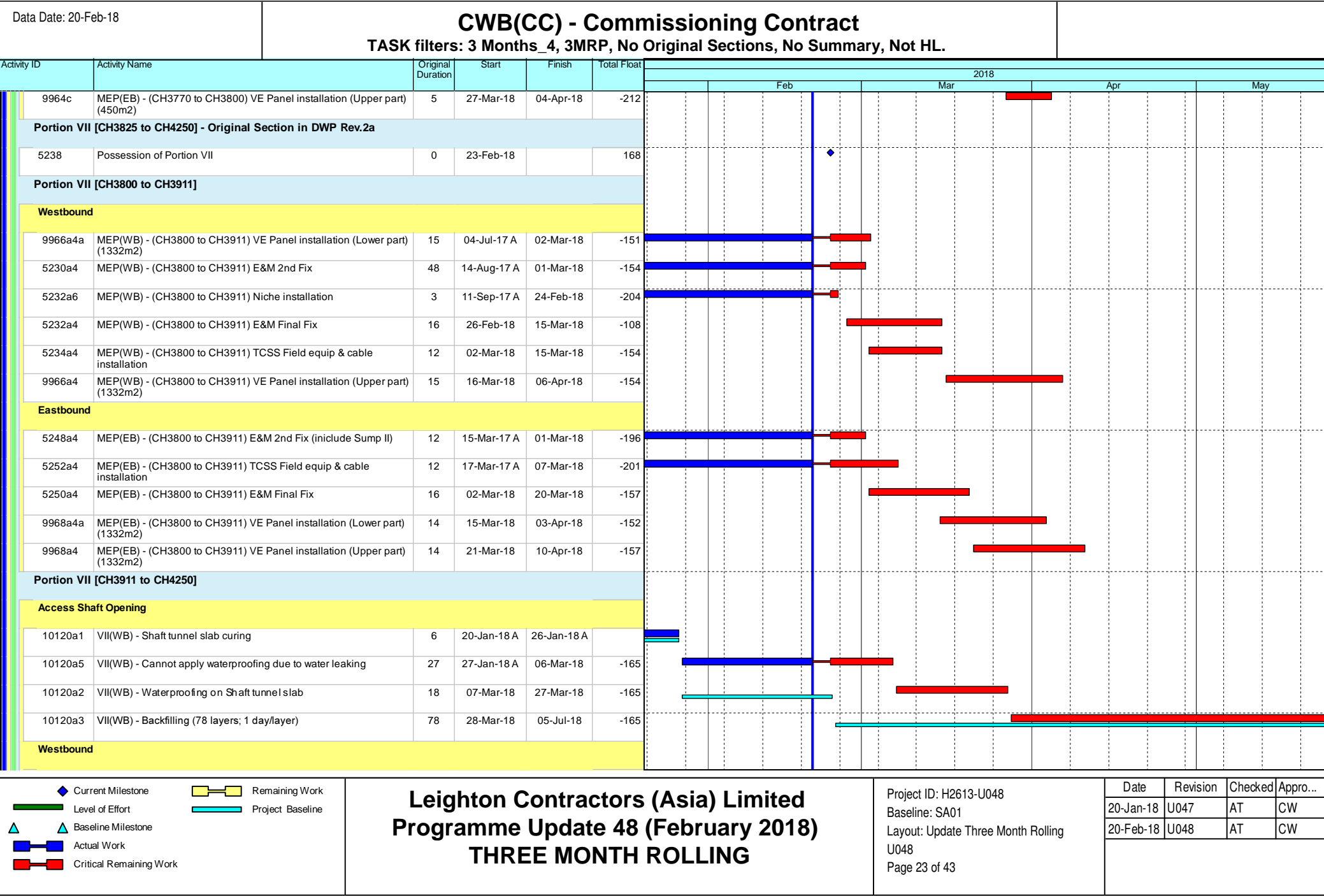
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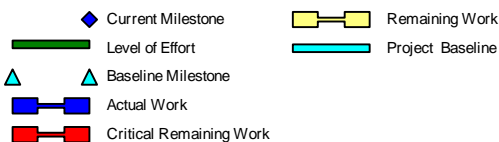


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## CWB(CC) - Commissioning Contract

**TASK filters: 3 Months\_4, 3MRP, No Original Sections, No Summary, Not HL.**

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018											
						Feb			Mar			Apr			May		
5234a2	MEP(WB) - (CH3911 to CH4250) TCSS Field equip & cable installation	15	15-Mar-17 A	09-Mar-18	-152												
5230a2	MEP(WB) - (CH3911 to CH4250) E&M 2nd Fix	48	14-Dec-17 A	01-Mar-18	-161												
5232a2	MEP(WB) - (CH3911 to CH4250) E&M Final Fix	16	02-Mar-18	20-Mar-18	-161												
9966a2a	MEP(WB) - (CH3911 to CH4250) VE Panel installation (Lower part) (4068m2)	23	03-Mar-18	29-Mar-18	-151												
9966a2	MEP(WB) - (CH3911 to CH4250) VE Panel installation (Upper part) (4068m2)	21	17-Mar-18	14-Apr-18	-161												
Eastbound																	
12244a	VII(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (4086m2)	23	02-Sep-16 A	08-Mar-18	-151												
9968a2a	MEP(EB) - (CH3911 to CH4250) VE Panel installation (Lower part) (4086m2)	23	17-May-17 A	15-Mar-18	-152												
5250a2	MEP(EB) - (CH3911 to CH4250) E&M Final Fix	16	23-Feb-18	13-Mar-18	-150												
5252a2	MEP(EB) - (CH3911 to CH4250) TCSS Field equip & cable installation	15	23-Feb-18	12-Mar-18	-149												
9968a2	MEP(EB) - (CH3911 to CH4250) VE Panel installation (Upper part) (4086m2)	12	02-Mar-18	15-Mar-18	-152												
Slip Road 8																	
13082a	VII(SR8) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1500m2)	24	09-Jan-17 A	15-Mar-18	-151												
13084a1	MEP(SR8) - (CH1000 to CH750) VE Panel installation (Lower part) (550m2)	6	27-Jun-17 A	22-Mar-18	-151												
13068a	MEP(SR8) - (CH1000 to CH750) E&M 1st Fix	12	23-Dec-17 A	15-Mar-18	-151												
13070a	MEP(SR8) - (CH1000 to CH750) E&M 2nd Fix (include Sump D)	12	09-Mar-18	22-Mar-18	-151												
13072a	MEP(SR8) - (CH1000 to CH750) E&M Final Fix	12	16-Mar-18	29-Mar-18	-151												
13074a	MEP(SR8) - (CH1000 to CH750) TCSS Field equip & cable installation	12	16-Mar-18	29-Mar-18	-151												
13084a	MEP(SR8) - (CH1000 to CH750) VE Panel installation (Upper part) (550m2)	6	23-Mar-18	29-Mar-18	-151												
Portion VIIIa [CH4250 to CH4600]																	
Westbound																	
9970a	MEP(WB) - (CH4250 to CH4600) VE Panel installation (Lower part) (3900m2)	20	20-Sep-17 A	01-Mar-18	-140												
5282	MEP(WB) - (CH4250 to CH4600) E&M Final Fix	12	06-Jan-18 A	01-Mar-18	-147												
5284	MEP(WB) - (CH4250 to CH4600) TCSS Field equip & cable installation	11	23-Feb-18	07-Mar-18	-152												



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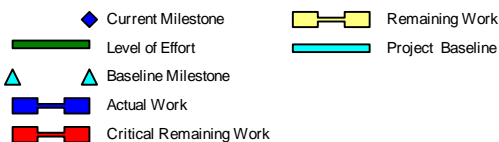
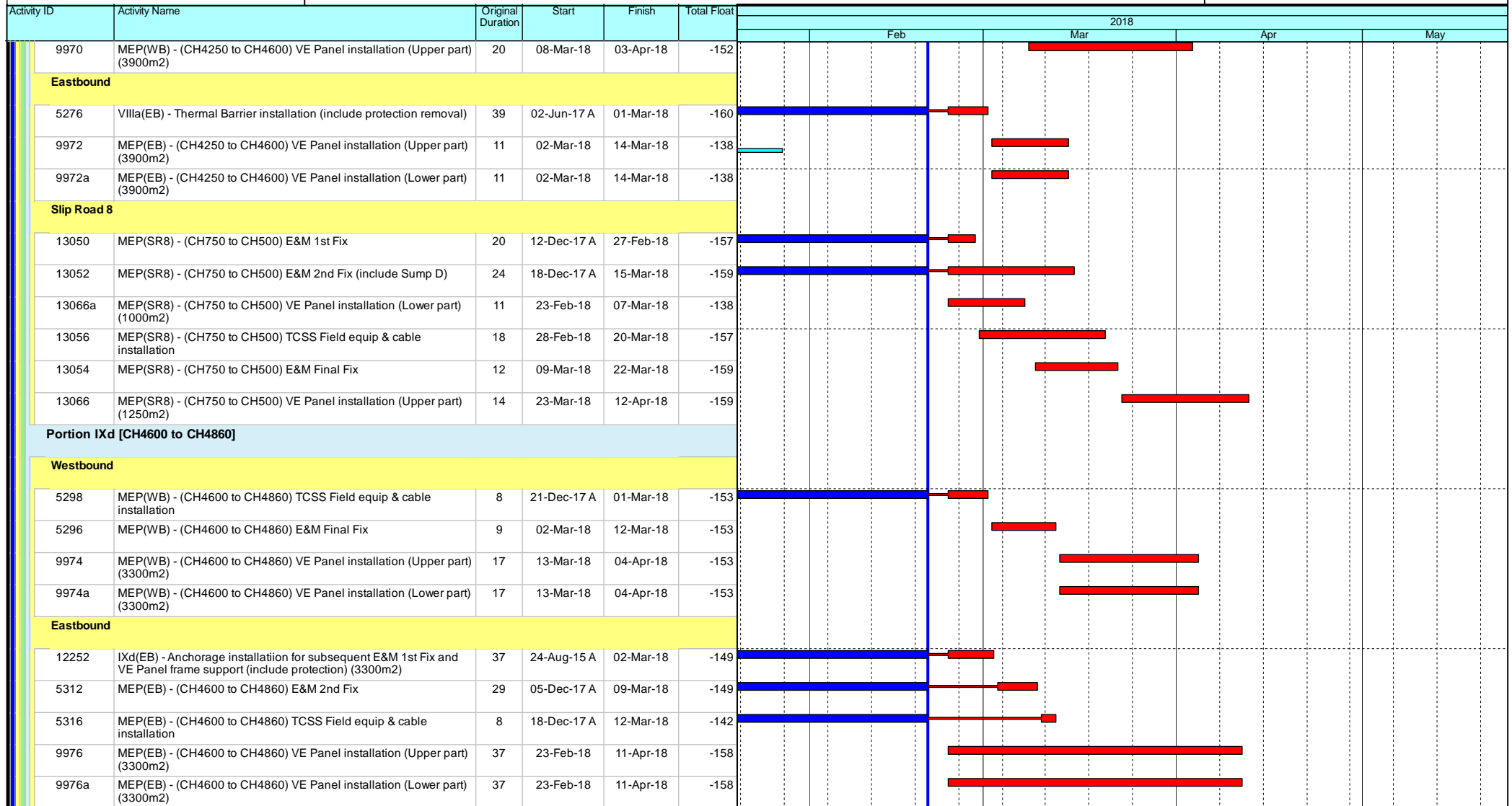
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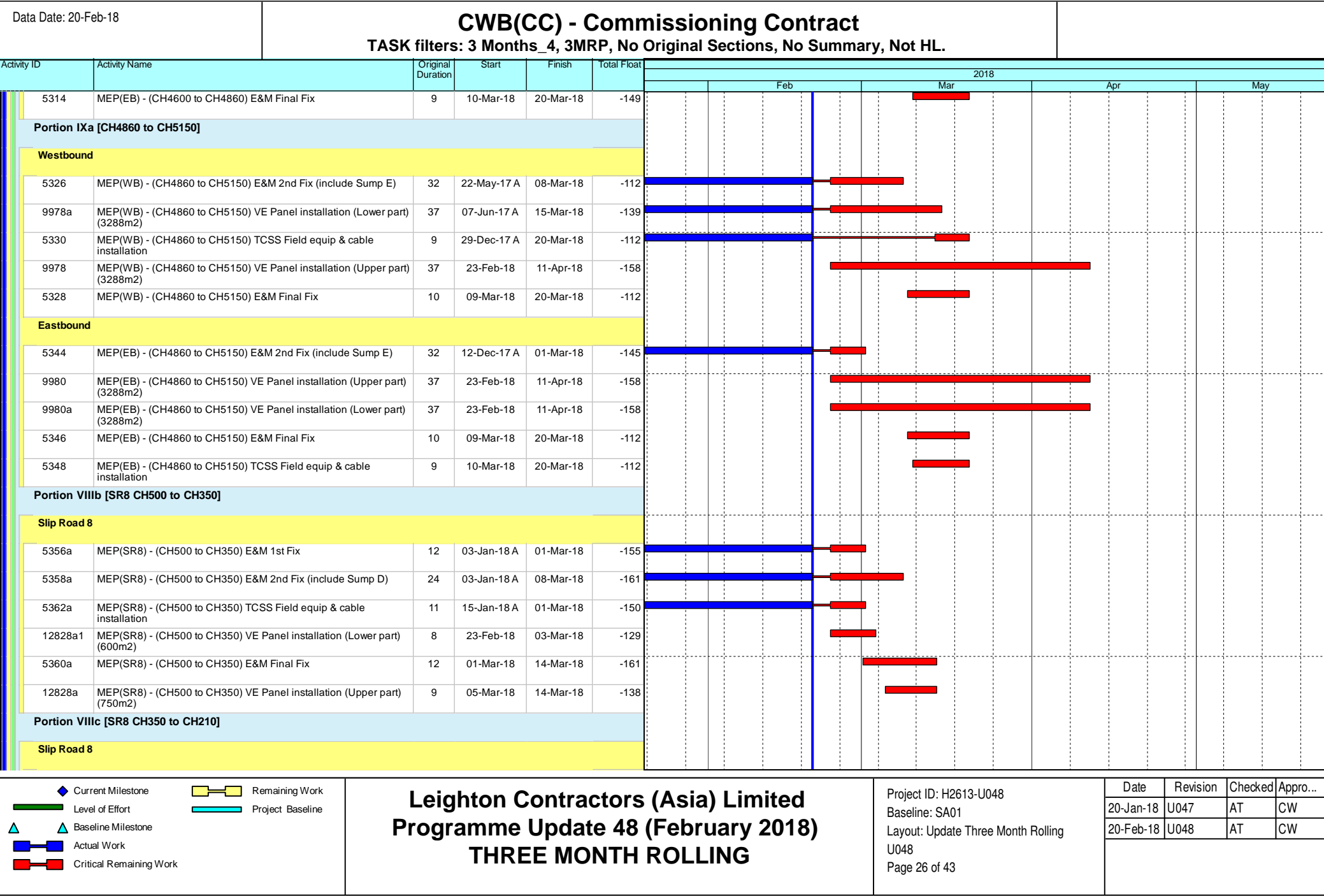
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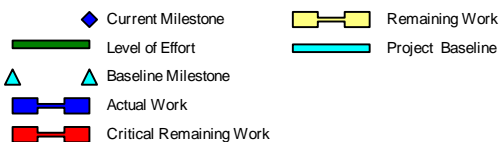
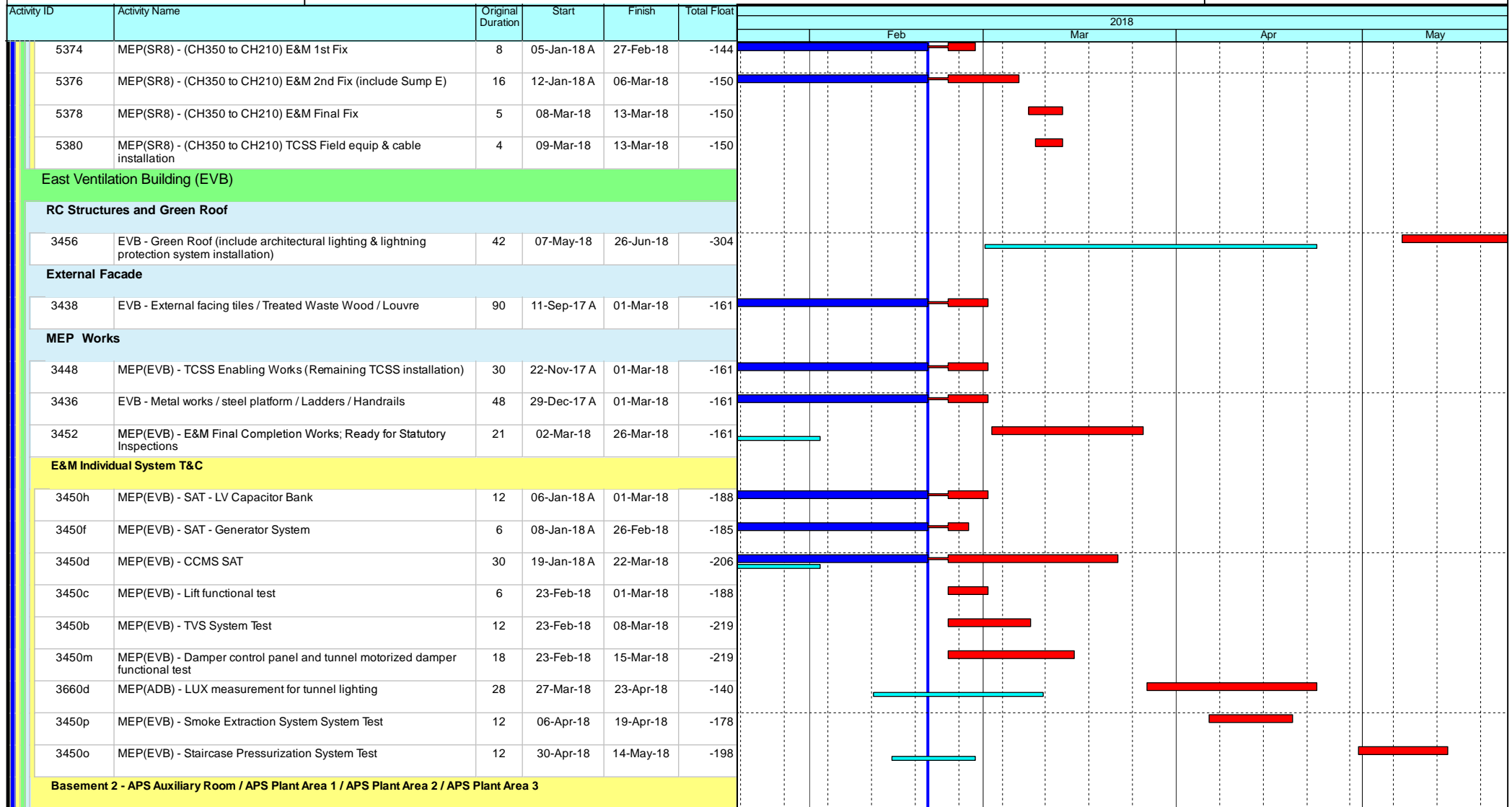
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TASK filters: 3 Months\_4, 3MRP, No Original Sections, No Summary, Not HL.



### Leighton Contractors (Asia) Limited

### Programme Update 48 (February 2018)

### THREE MONTH ROLLING

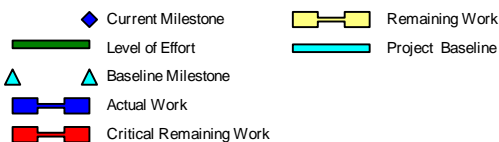
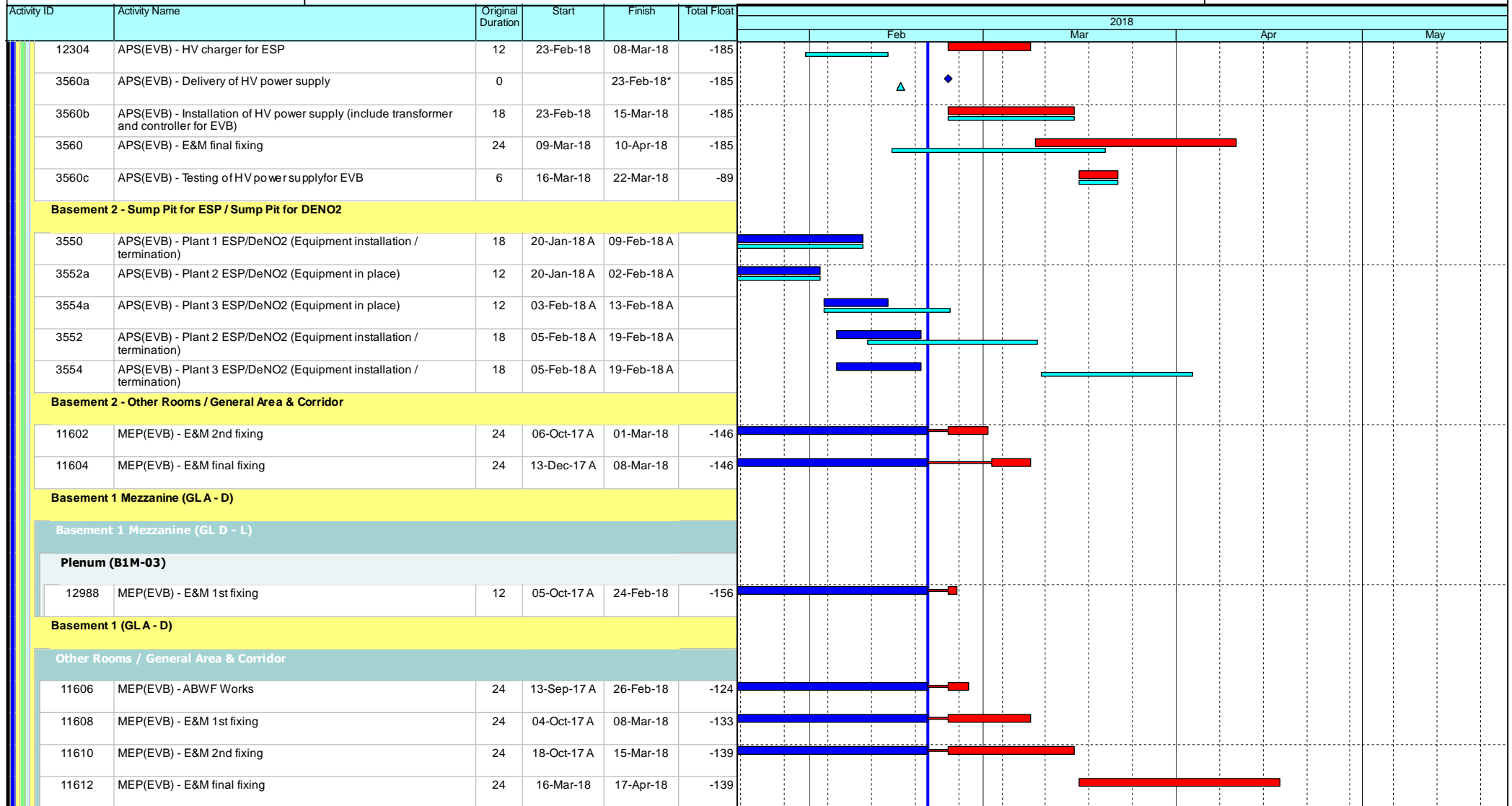
Project ID: H2613-U048  
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20-Jan-18	U047	AT	CW
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## CWB(CC) - Commissioning Contract

TASK filters: 3 Months\_4, 3MRP, No Original Sections, No Summary, Not HL.



### Leighton Contractors (Asia) Limited

### Programme Update 48 (February 2018)

### THREE MONTH ROLLING

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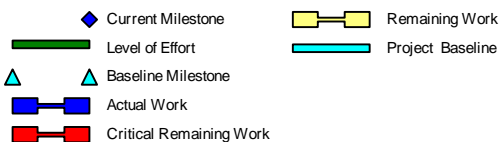
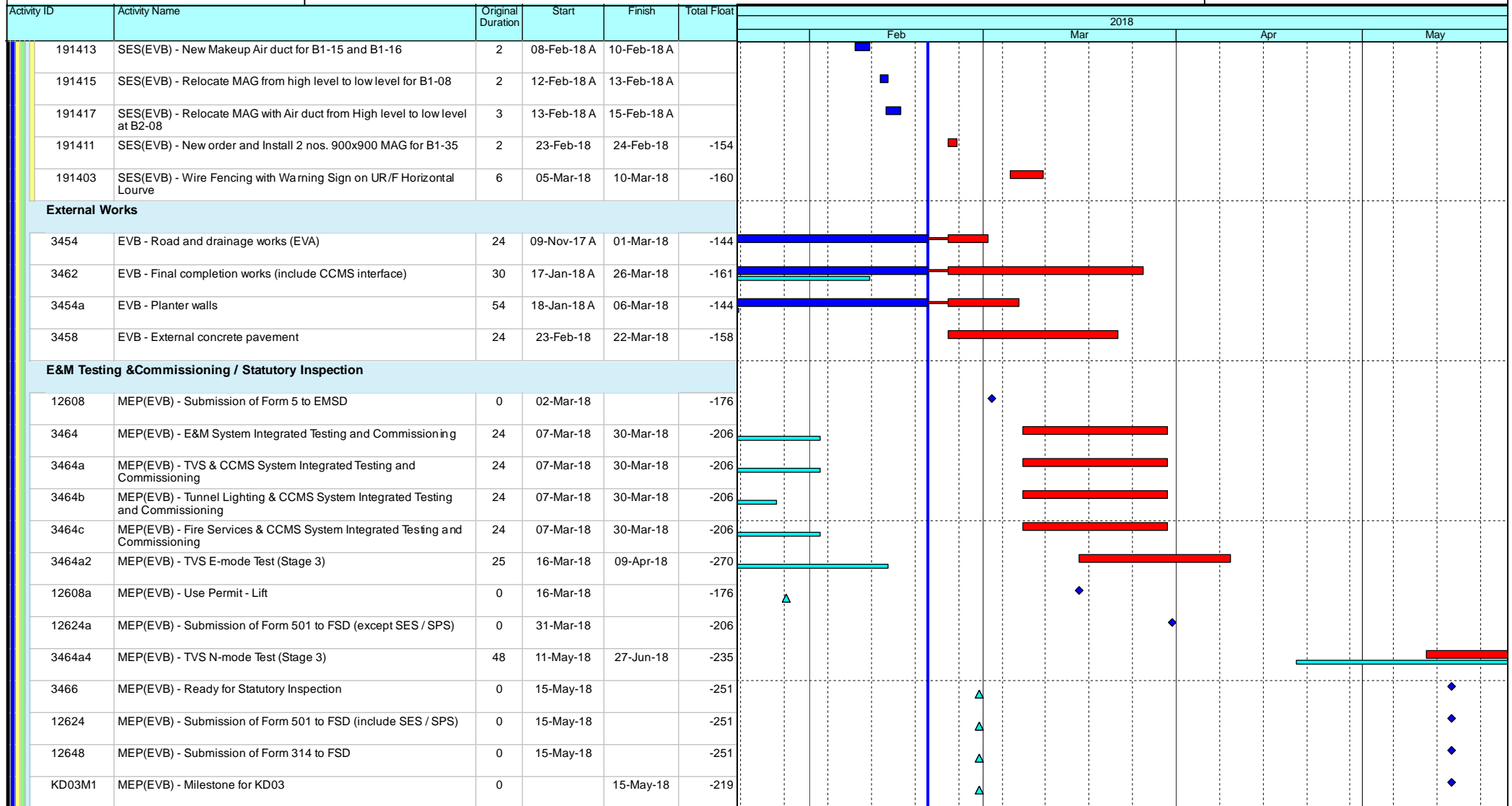




Data Date: 20-Feb-18

## CWB(CC) - Commissioning Contract

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### Leighton Contractors (Asia) Limited

### Programme Update 48 (February 2018)

### THREE MONTH ROLLING

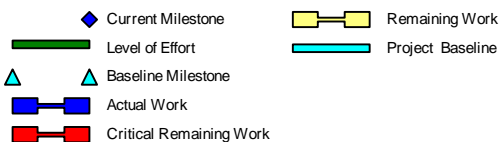
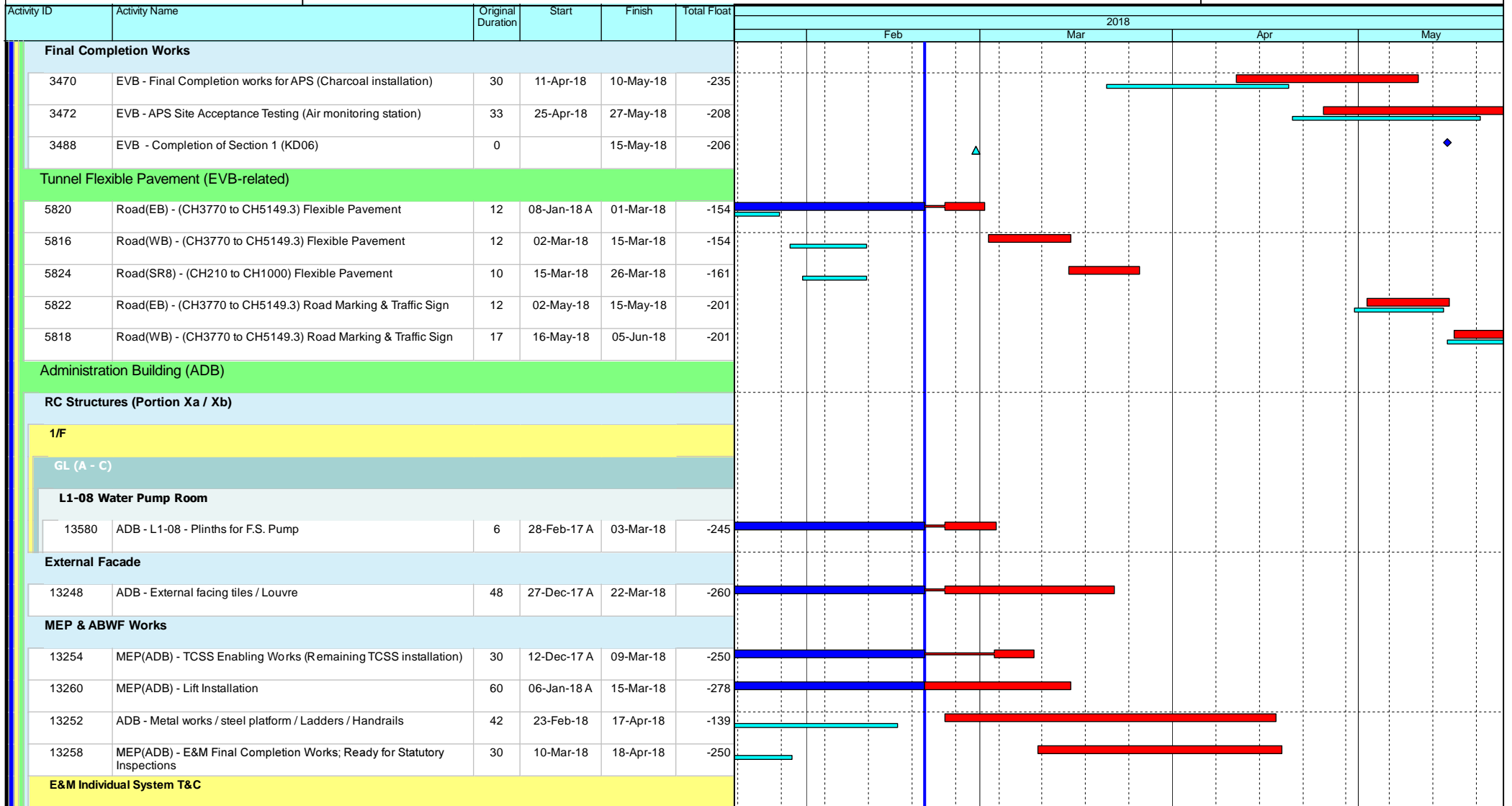
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## CWB(CC) - Commissioning Contract

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## Leighton Contractors (Asia) Limited

### Programme Update 48 (February 2018)

### THREE MONTH ROLLING

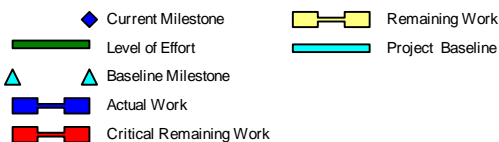
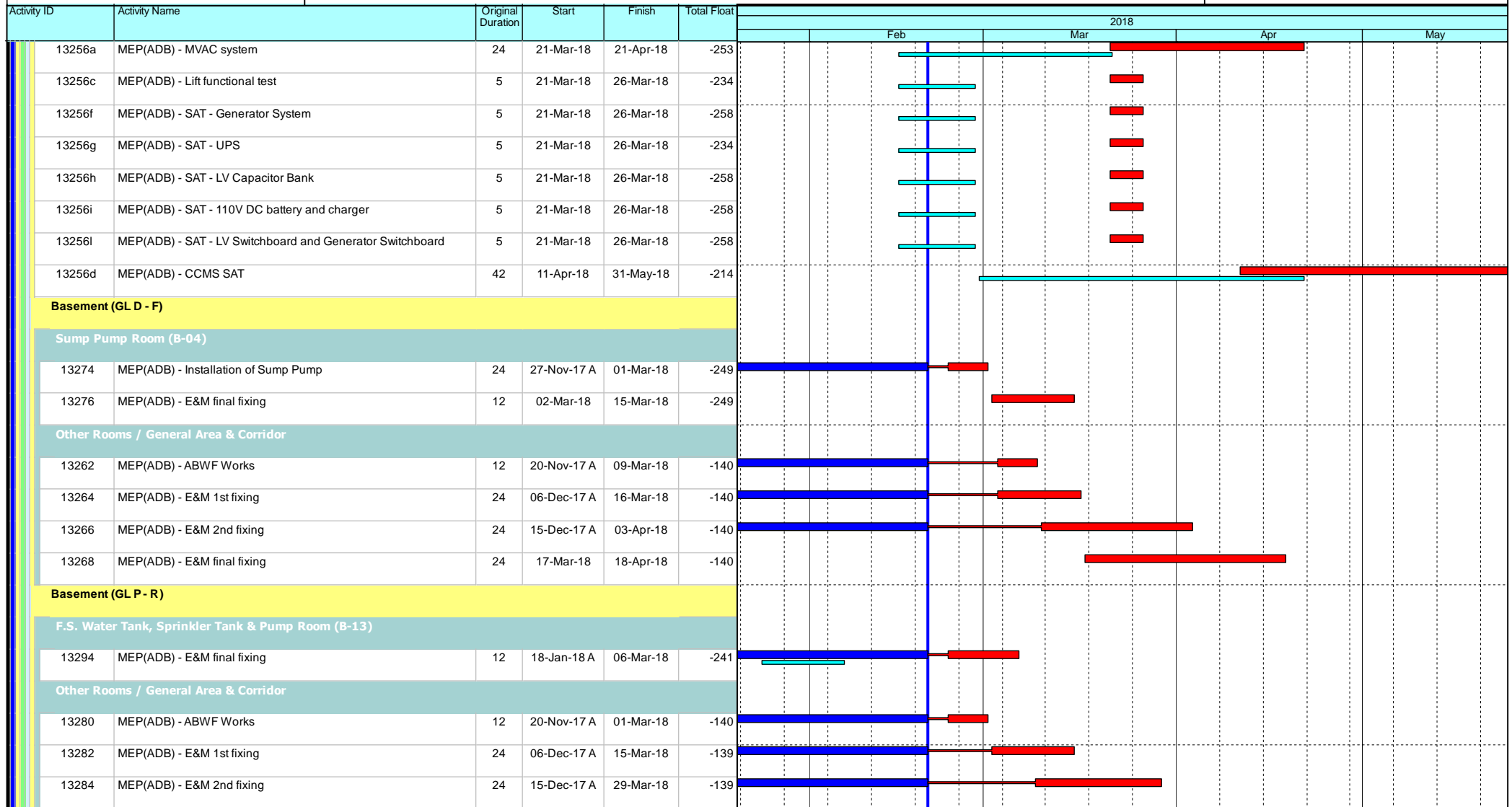
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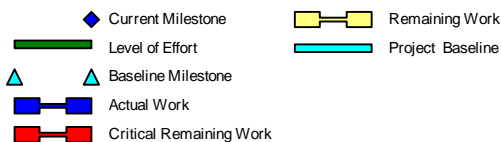
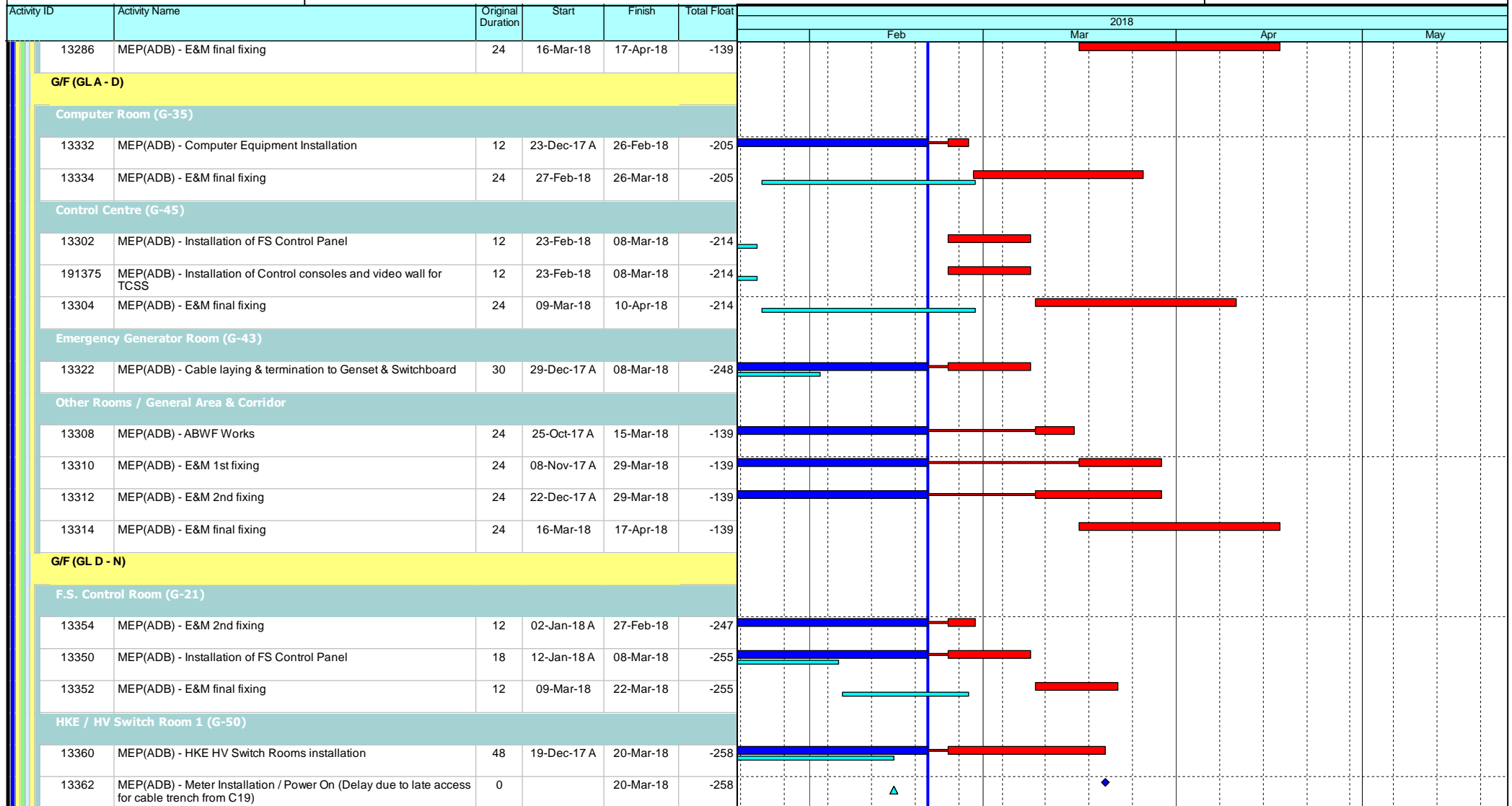
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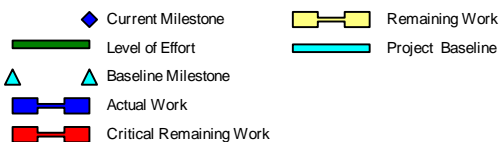
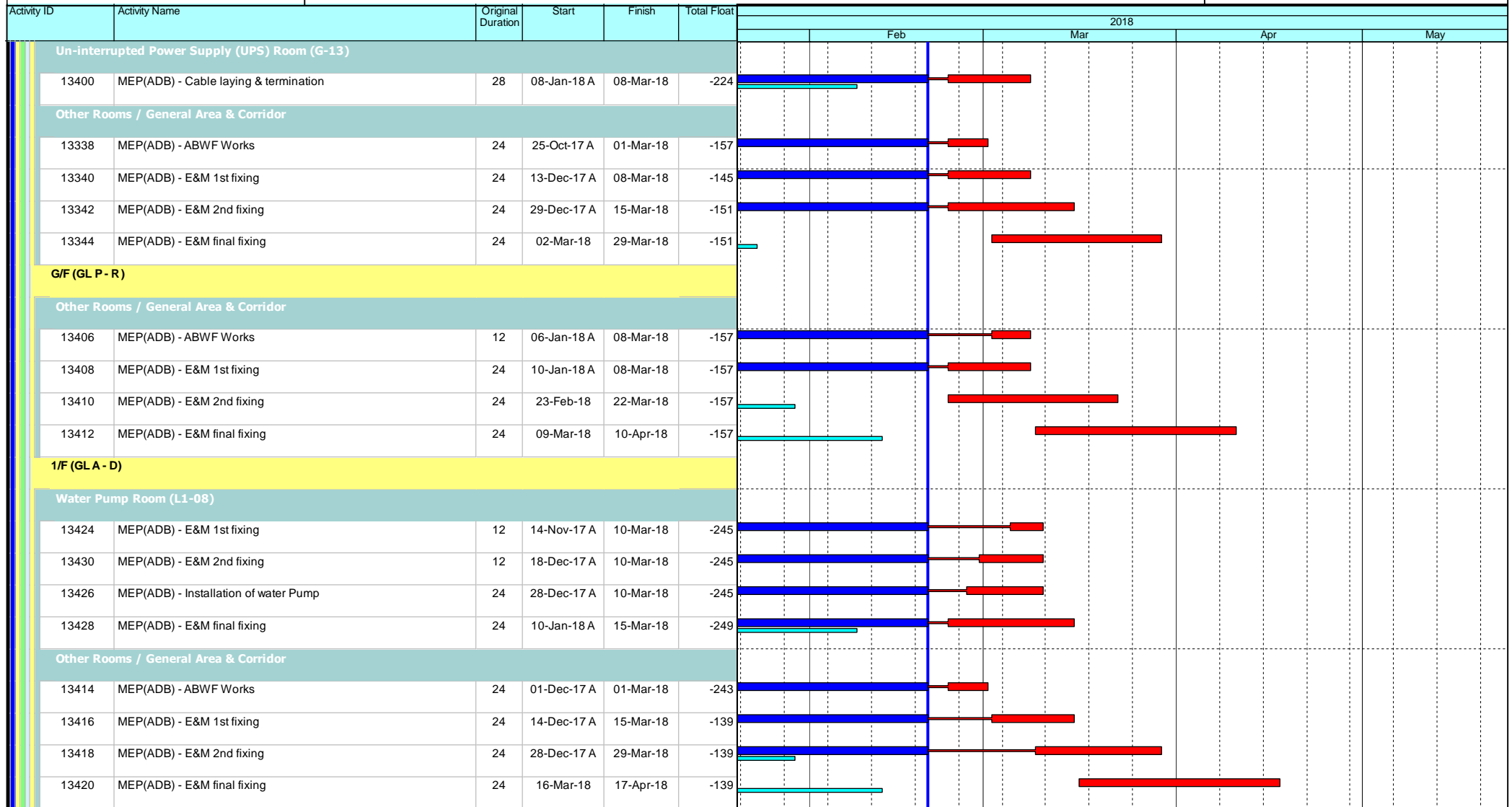
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### Leighton Contractors (Asia) Limited Programme Update 48 (February 2018) THREE MONTH ROLLING

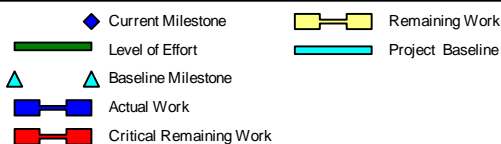
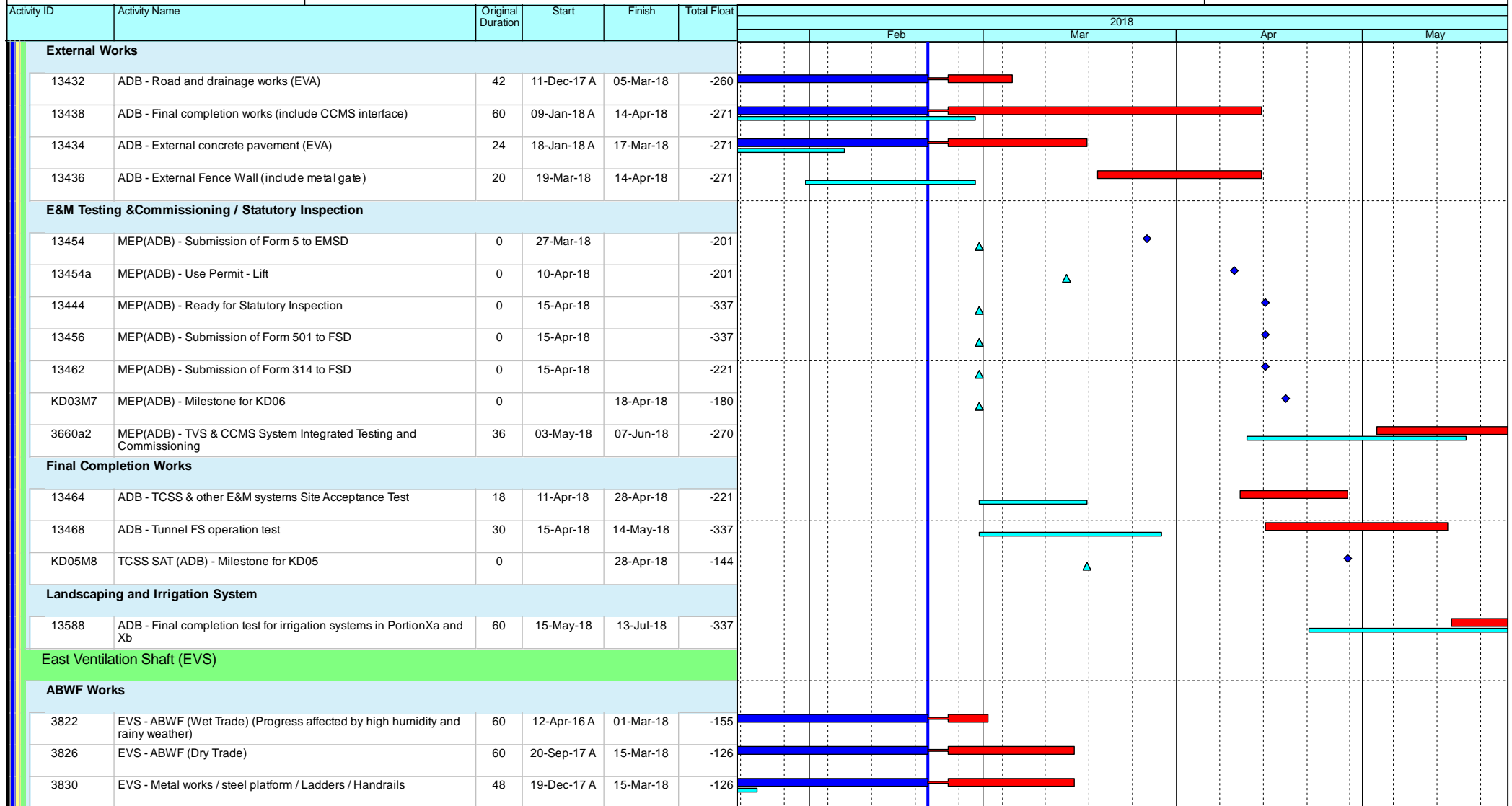
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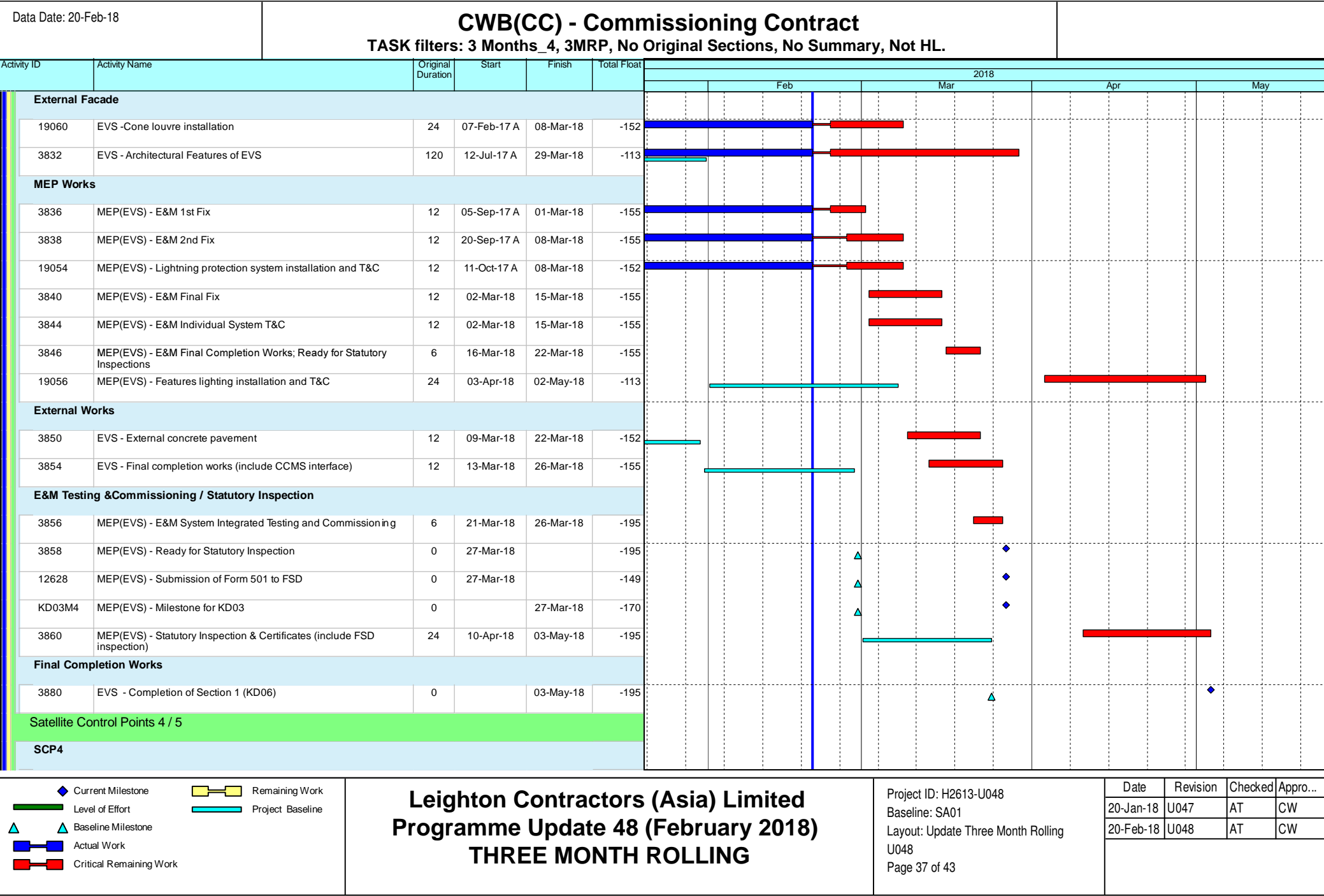
### Leighton Contractors (Asia) Limited

### Programme Update 48 (February 2018)

### THREE MONTH ROLLING

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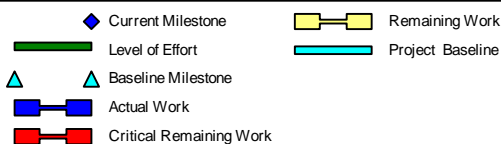


Data Date: 20-Feb-18

## CWB(CC) - Commissioning Contract

TASK filters: 3 Months\_4, 3MRP, No Original Sections, No Summary, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018											
						Feb			Mar			Apr			May		
3778	SCP4 - Initial Site Survey	6	23-Feb-18	01-Mar-18	-196												
3778a	SCP4 - Construction details from AECOM	0	23-Feb-18*		-196												
3780	SCP4 - Erect Hoarding	6	02-Mar-18	08-Mar-18	-196												
3782	SCP4 - Mobilisation and setup	12	09-Mar-18	22-Mar-18	-196												
3784	SCP4 - Construct SCP RC Structures	24	23-Mar-18	24-Apr-18	-196												
3786	SCP4 - ABWF Works	24	25-Apr-18	24-May-18	-196												
3798	SCP4 - External Works	24	25-Apr-18	24-May-18	-143												
3788	MEP(SCP4) - E&M 1st Fix	18	27-Apr-18	18-May-18	-196												
10112	MEP(SCP4) - TCSS Enabling Works (Remaining TCSS installation)	18	27-Apr-18	18-May-18	-196												
3790	MEP(SCP4) - E&M 2nd Fix	18	08-May-18	29-May-18	-155												
3824	SCP4 - Metal works / Glazing / Louver / Handrails	18	10-May-18	31-May-18	-149												
3792	MEP(SCP4) - E&M Final Fix	18	17-May-18	07-Jun-18	-155												
<b>SCP5</b>																	
3828	SCP5 - Mobilization for Area B	0	23-Feb-18		-207												
3848	SCP5 - Initial Site Survey	6	23-Feb-18	01-Mar-18	-207												
3827	C19 allow access for SCP5 construction	0	23-Feb-18*		-207												
3827a	Construction details from AECOM	0	23-Feb-18*		168												
3852	SCP5 - Erect Hoarding	4	02-Mar-18	06-Mar-18	-207												
3868	SCP5 - Mobilisation and setup	2	07-Mar-18	08-Mar-18	-207												
3870a	SCP5 - Construct walls upto R/F - Falseworks & Formwork	4	09-Mar-18	13-Mar-18	-207												
3870b	SCP5 - Construct walls upto R/F - Rebar fixing	3	14-Mar-18	16-Mar-18	-207												
3870c	SCP5 - Construct walls upto R/F - Close formwork	4	17-Mar-18	21-Mar-18	-207												
3870d	SCP5 - Construct beams & slab upto R/F - Scaffolding, falsework & formwork	4	22-Mar-18	26-Mar-18	-207												
3870e	SCP5 - Construct beams & slab upto R/F - Rebar fixing	3	27-Mar-18	29-Mar-18	-207												



### Leighton Contractors (Asia) Limited Programme Update 48 (February 2018) THREE MONTH ROLLING

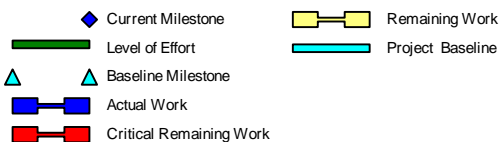
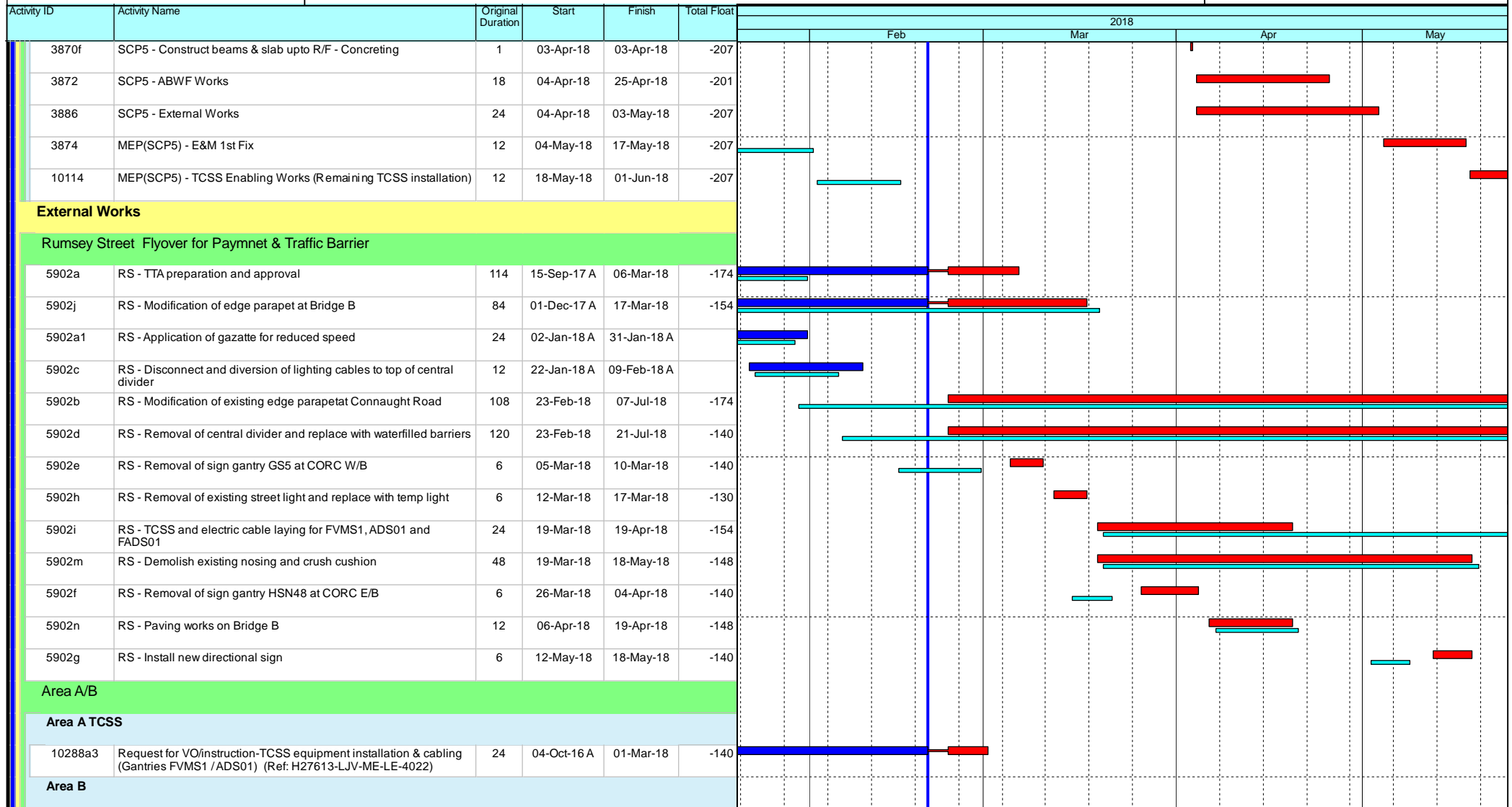
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## CWB(CC) - Commissioning Contract

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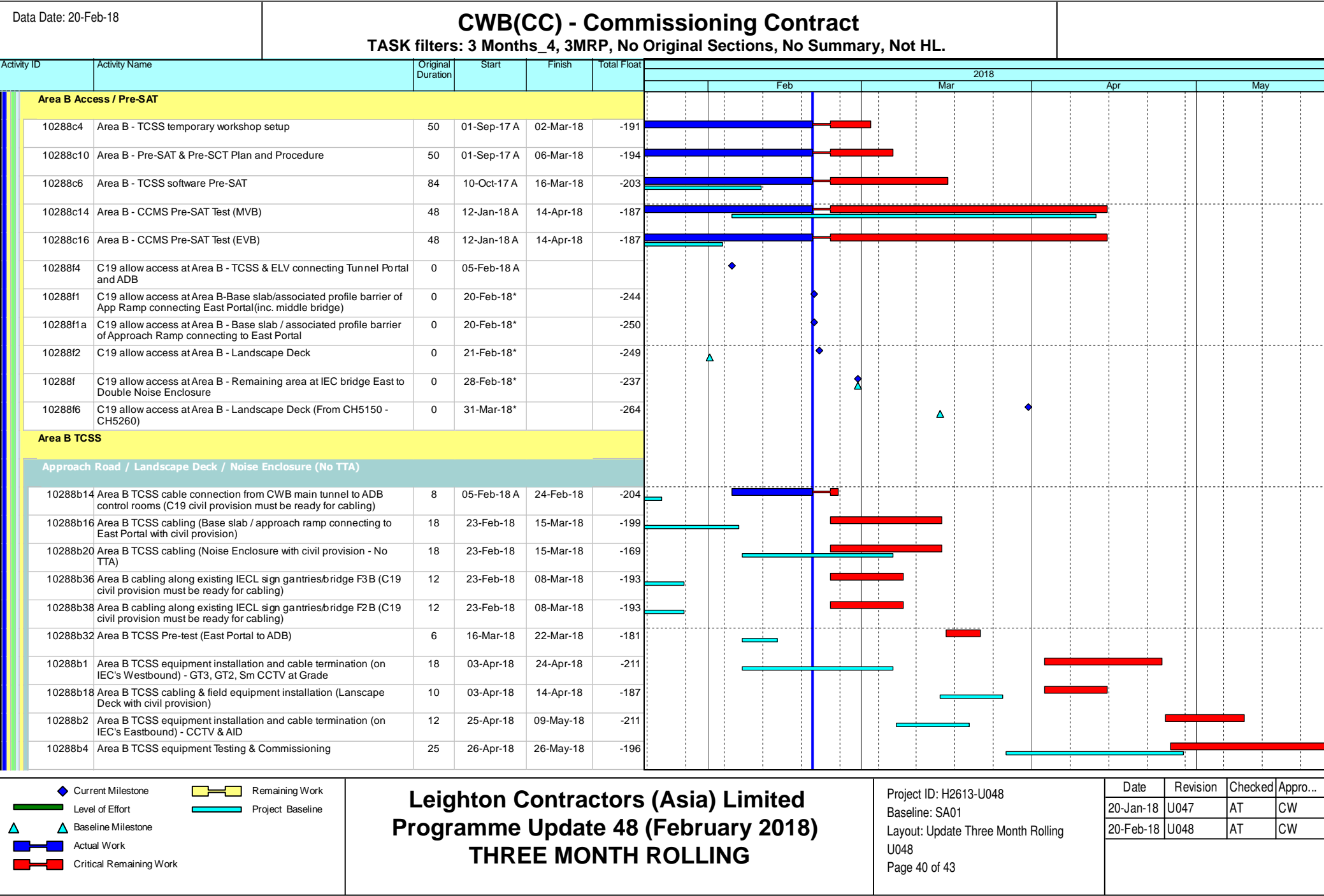
### Leighton Contractors (Asia) Limited

### Programme Update 48 (February 2018)

### THREE MONTH ROLLING

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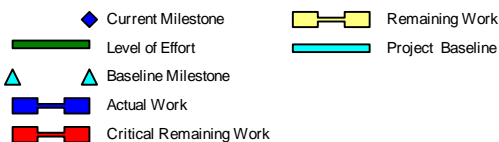
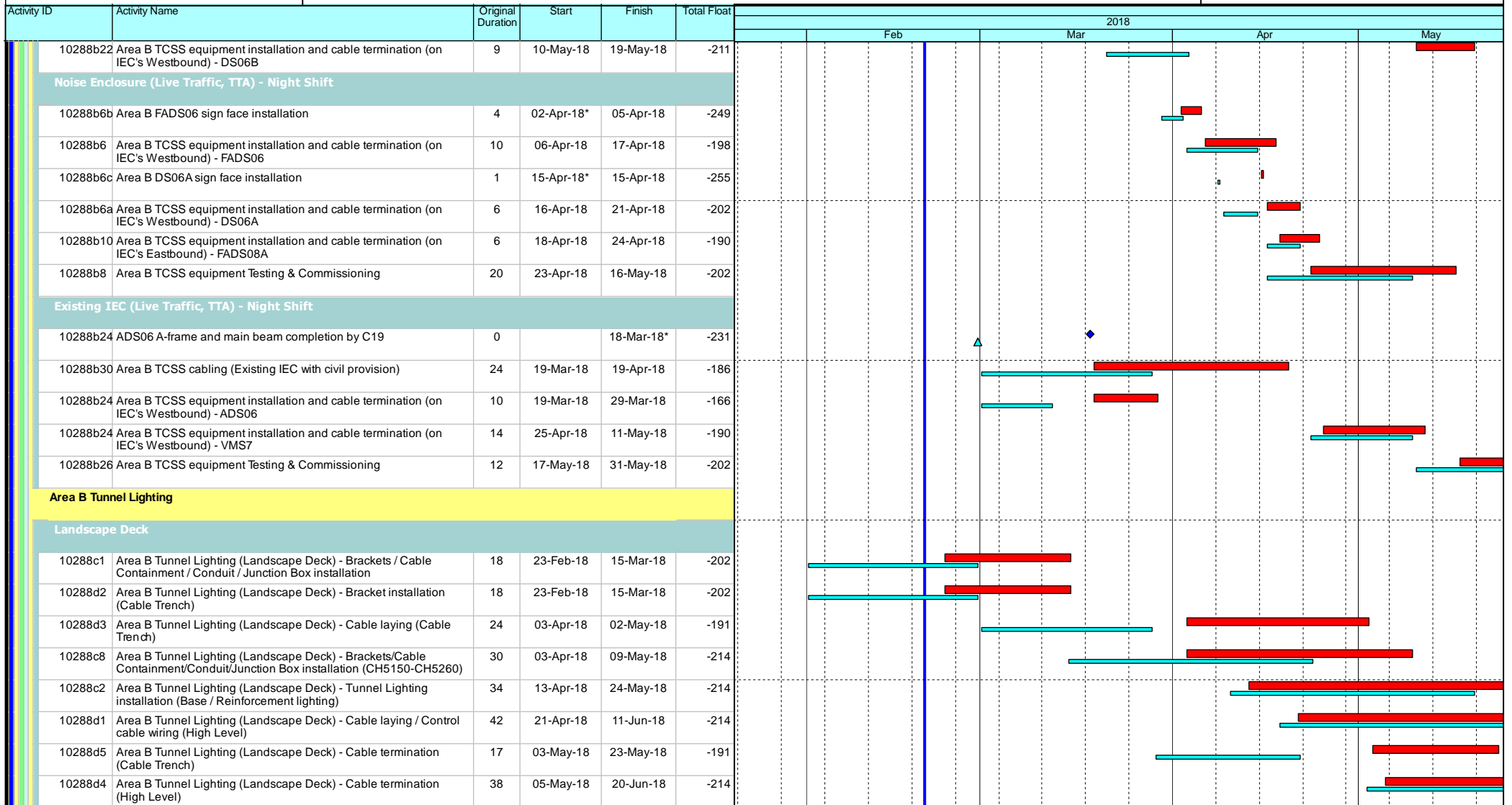
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# CWB(CC) - Commissioning Contract

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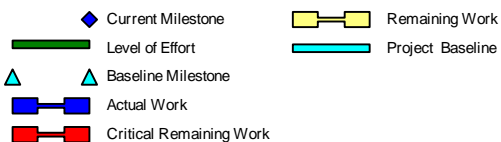
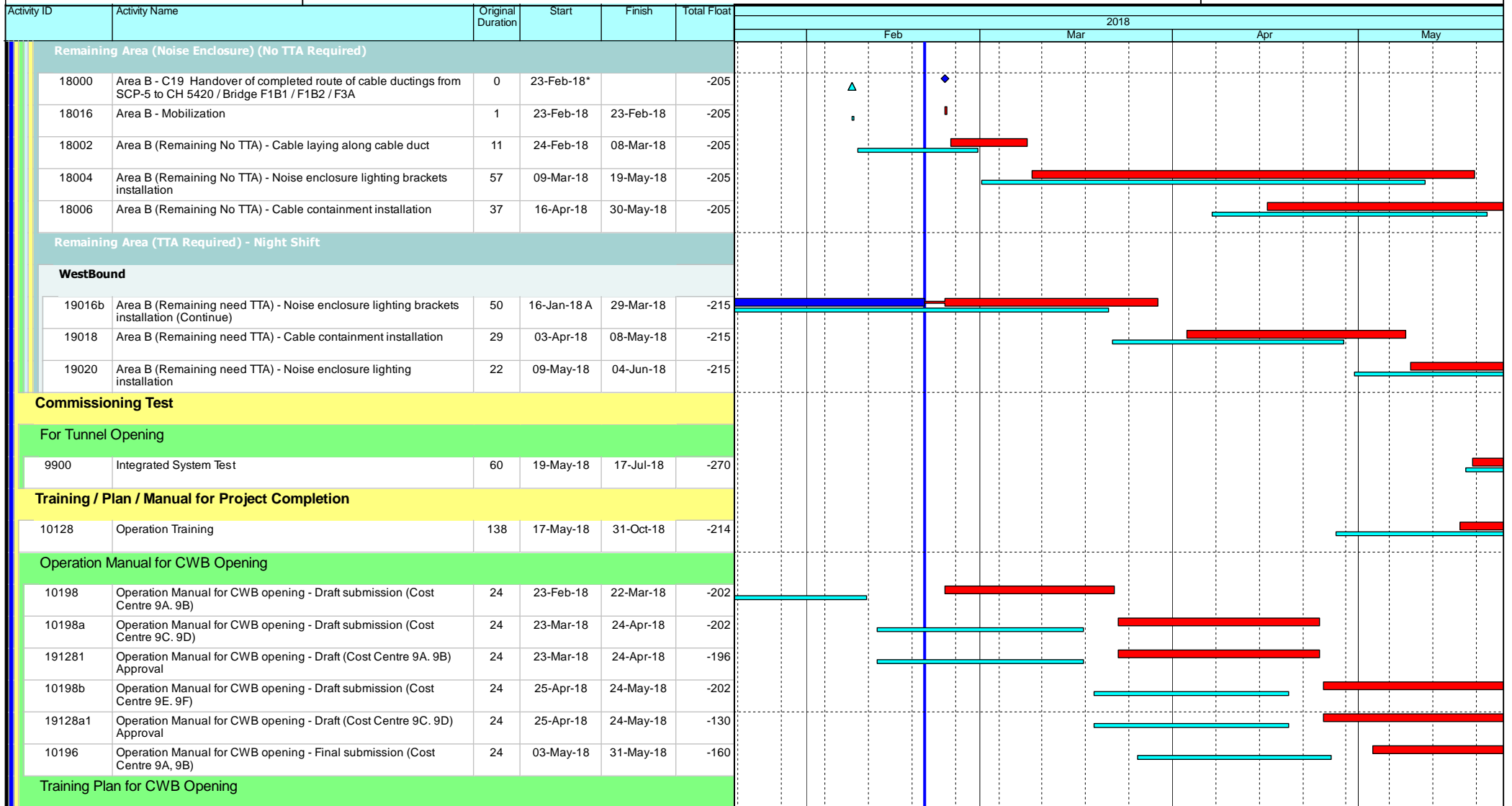
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## CWB(CC) - Commissioning Contract

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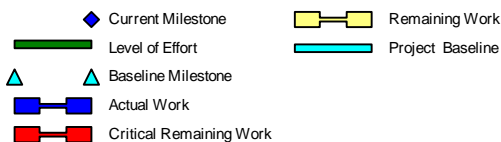
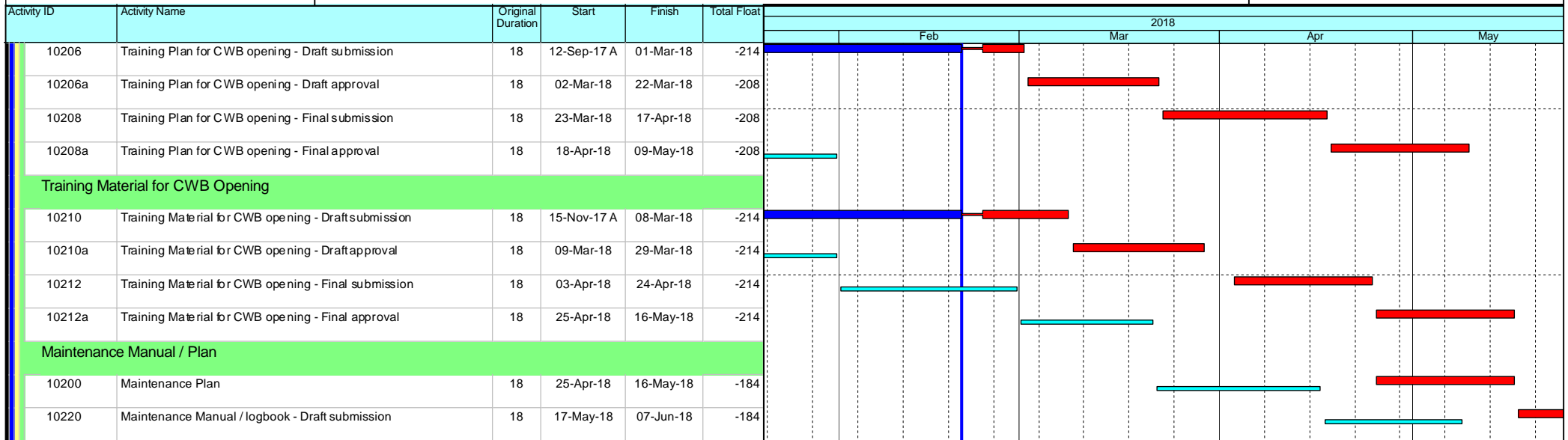
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