

**Central Reclamation, Phase III
Environmental Monitoring & Audit
Monthly Report No. 101 – December 2011**

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ACL	Atkins China Limited
AL	Action Level
CEDD	Civil Engineering and Development Department
CRIII	Central Reclamation Phase III
DO	Dissolved Oxygen
EIA	Environmental Impact Assessment
EIAO	Environmental Impact Assessment Ordinance
EM&A	Environmental Monitoring and Audit
EPD	Environmental Protection Department
ER	Engineer's Representatives
ET	Environmental Team
IEC	Independent Environmental Checker
LCSD	Leisure and Cultural Services Department
LCSVO-JV	Leighton China State Van Oord Joint Venture
LL	Limit Level
PLA	People's Liberation Army Forces Hong Kong
TDD	Territory Development Department
TSP	Total Suspended Particulates
SS	Suspended Solids
WMP	Waste Management Plan

Executive Summary

EXECUTIVE SUMMARY

The Central Reclamation Phase III (CRIII) Works, Contract No. HK 12/02, was awarded to Leighton China State Van Oord Joint Venture (LCSVO-JV) by the Civil Engineering and Development Department (CEDD). (Previously called the Territory Development Department before merger with the Civil Engineering Department on 1st July 2004.)

The works under the Contract HK 12/02 commenced on 28th February 2003. Contract HK 16/03 for the CRIII Hinterland Drainage Improvement Works was awarded to Wang Kee Construction Co. Ltd., and works for this contract commenced on 17th December 2003.

Atkins China Limited (ACL) has been commissioned by CEDD as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme described in the approved EM&A Manual for the CRIII Project.

This is the 101st Monthly EM&A Report for the works specified in Section 1.3 of the CRIII EIA Report. This report summarises the findings and results of the EM&A during the reporting month in December 2011.

Environmental Monitoring and Audit Progress

The monthly EM&A programme has been undertaken in accordance with the approved EM&A Manual. A summary of the monitoring activities performed in this reporting period is listed below:

- Continuous 24-hour noise monitoring was conducted throughout the monitoring period.
- 1-hour and 24-hour TSP monitoring was carried out on 2nd, 8th, 13th, 19th, 23rd and 29th December 2011.
- The post project water quality monitoring was completed on October 2011.
- Additional water quality monitoring for the “the water quality of embayment area between the eastern seawall and the Hong Kong Convention and Exhibition Centre (HKCEC) upon completion of eastern seawall”, in accordance with the Environmental Permit No. EP-01/122/2003/D Condition 3.9, was completed on October 2011.

Exceedance of Action and Limit Levels

No exceedances in TSP level were recorded at the monitoring stations during the reporting period.

9 noise exceedances were recorded at the monitoring station on 7th, 23rd, 28th and 29th December 2011. Based on site observations and Contractor record on 7th December 2011, breaking activities by concrete breaker were undertaken in the works area of former Queen’s Pier during monitoring period. Therefore, the exceedance was considered to be attributed to the Project works, likely due to noise generated by the concrete breaker. ET communicated this with the Contractor representative on 8th December 2011 (approx. 11:30). The noise monitoring results at City Hall from 8th December 2011 to 12th December 2011 showed that no further exceedances occurred. The Contractor was reminded to implement noise mitigation measures such as use of movable barrier properly when carrying out noisy work near the NSR. On 23rd, 28th and 29th December 2011, 8 noise exceedances were recorded. According to Contractor’s record, no major activities from the CR3 sites were carried out

Executive Summary

during monitoring period. Concrete breaking activities and renovation the external wall for City Hall maintenance works by Wing Hing Construction Company Ltd (contractor of Architectural Services Department) at ground floor near the monitoring location were being undertaken during the monitoring period.

Complaint Log

A complaint was received a public complaint referred from FEHD regarding the planter along Lung Wo Road without proper cover on 21st December 2010. During the site investigation on 29 December 2011, the planter along Lung Wo Road has been covered with geotextile since 22 December 2011. The contractor was reminded to proper maintain the dust suppression measures, particularly the work areas near sensitive receivers. The Contractor was reminded to pay more attention on dust control (especially in dry season) and enhance the watering of the whole site when necessary to minimize the dust nuisance.

Notifications of Summons and Prosecutions

There were no notifications of summons or prosecutions received in relation to the environmental impact during the reporting period.

Site Inspection and Audit

Environmental site inspections for the CRIII project works area were undertaken on 3rd, 8th, 15th, 22nd and 29th December 2011. The observations and findings of the site inspection are summarised as below:

3rd December 2011

The contractor was reminded to prevent the dust emission from site area by regular watering especially in dry weather.

8th December 2011

Nil.

15th December 2011

Breaking process without watering was found in portion 4. The Contractor was recommended to prevent dust emission form breaking activities by watering.

Some cement bags without cover were found in portion 2 near stockpiles. The Contractor was recommended to cover cement bags properly.

22nd December 2011

Dark smoke was observed from excavator in portion 3. The Contractor was reminded to provide properly maintenance for the site plants to avoid dark smoke emission.

29th December 2011

Parts of unpaved works area were observed dry during the site inspection. The contractor was reminded to prevent the dust emission from site area by regular watering especially in dry weather.

Key Works for the Coming Month

Future key works in the coming month (January 2011) are as follows:

- Type A filling in FRAW and FRAE above +2.5mPD
- General filling works above +2.5mPD in IRAE
- Surcharging in FRAW and FRAE
- Construction of GPO boundary wall
- Construction of PLA boundary wall
- Construction of Promenade enhancement works
- Construction of buildings at PLA berth
- Installation of cooling mains discharge pipes in FRAE and FRAW
- Backfilling of CWB structure
- Importation of fill material

1. INTRODUCTION

1.1 Basic Project Information

Civil Engineering and Development Department (CEDD) is the Project Proponent of the Central Reclamation Phase III Project (CRIII).

The Main Works Contract HK 12/02 for CRIII commenced on 28th February 2003 and was awarded to Leighton-China State-Van Oord Joint Venture (LCSVO-JV) for the construction of the CRIII Engineering Works. Contract HK 16/03 for the CRIII Hinterland Drainage Improvement Works was awarded to Wang Kee Construction Co. Ltd. and works for this contract commenced on 17th December 2003.

Atkins China Limited (ACL) has been commissioned by CEDD as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme described in the approved EM&A Manual and required under Clause 4 of the Variation of Further Environmental Permit (No. EP-01/122/2003/A) issued to Leighton-China State-Van Oord Joint Venture in December 2007 for the CRIII Project. A variation of the Further Environmental Permit for the Project (EP-01/122/2003/B) and (EP-01/122/2003/C) were granted on 26 May 2008 and 17 July 2009. This was then superseded by another variation of Further Environmental Permit for the Project (EP-01/122/2003/D) granted on 1 September 2009. The CRIII Project Organisation is shown in **Annex A**.

This is the 101th Monthly EM&A Report for the works specified in Section 1.3 of the CRIII EIA Report. This report summarises the findings and results of the EM&A during the reporting period in December 2011.

Not Used

2. ENVIRONMENTAL STATUS

2.1 Works Undertaken

Details of the main works in progress are as follows:

Man Yiu Street Footbridge – The strengthening works at Pier G including removal of sheetpiling and backfilling is complete. Monitoring of bridge movement continues with no adverse effects recorded.

Culvert F Extension – Nothing to report.

Drainage Works – The construction of the stormwater drains and sewers behind the footpath of Road P2 eastbound carriageway between Road D9 and Lung Wui Road, at the GMB facility, in the vicinity of the advance promenade and outside the PLA berth and the Central Barracks are in progress.

Water Mains – The installation of the irrigation water supply systems along Road P2 between Man Yiu Street and Road D8 is in progress. The construction of fresh and salt water mains outside the PLA berth commenced on 21 December 2011.

Roadworks – Repaving works at Edinburgh Place fronting City Hall, and the construction of concrete pavement at the eastern portion of GMB facility and the footpath at J/O Road P2 / D6 are in progress.

Road P2 Advance Landscaping Works – 90 trees have been planted. Nine vandalized trees (*Koelreuteria Paniculata*) have been replaced. Sourcing of remaining trees / shrubs is in progress. The planting works are being carried out along the central reserve of Road P2 but then works will cease until next planting season.

CWB Works – Tunnel structure construction is complete.

Promenade Enhancement Works – Waterproofing works on top of the pumping stations are complete and that above the shelters is in progress. Construction of the vent shaft for P11.1 and P11.2 (70% complete) is in progress. Works at the rear portion of P11.1 and P11.2 and construction of the cable trough are in progress. Installation of the louvers is ongoing. Off-site fabrication of the glass balustrade, aluminum coping and steel structure for the timber deck is in progress.

PLA Dock – Washroom, office building, ESB, foam tank and FS pump house are structurally complete. ABWF and E&M works at ESB are substantially complete whilst the works at washroom, office building, foam tank and FS pump house are in progress.

GPO Wall – Portion A: The construction of new E&M room and changing room is in progress. Portion B: Further to the meeting with GPO/ArchSD/CEDD/LCSVOJV on 28 October 2011, it was agreed that the access road under the canopy will be closed for the erection of temporary struts to support the canopy during the construction of the permanent support. Portion C: The temporary access linking Edinburgh Place to GPO to facilitate the construction of the permanent support to the canopy in Portion B is substantially complete. A joint inspection of the temporary access road with GPO is being arranged before opening.

In FRAW – CEDD have directed that a temporary 3.5m wide footpath for access from Pier 10 to the Tamar Park area be constructed by the end of 2011 and this work is in progress.

In FRAE – Nothing to report.

Environmental Status

Cooling-Water Mains for HSBC Discharge Pipes – Nothing to report.

Permanent Sea Water Intake System for PLA – Installation of the dosing pipe is complete except for the section across CWB tunnel. Modification work for the intake screen is complete. Cleaning of the GRP screens is being carried out on a bi-weekly basis.

Seawall Caissons and Pumping Stations – Nothing to report.

Tamar Interface – Nothing to report.

2.2 Environmental Permits

A summary of status of all environmental permits, licenses, and/or notifications to EPD for this project during the reporting period is presented in **Table 2.1**.

Table 2.1 - Summary of the Environmental License / Permit Status

Item	Item Description	Date of Application	Permit Status
1	Application for Replenishment of Chits and Extending the Account Validity Period (Exemption Account No. 5000689)	21 st December 2011	Pending
2	Application of Construction Noise Permit for Use of Ventilation Fans for the Central Wan Chai Bypass (Renewal of GW-RS0757-11)	21 st December 2011	Pending
3	Application of Construction Noise Permit for Construction Works of Central Wan Chai Bypass (Western Section) (Renewal of CNP No. GW-RS1109-11)	21 st December 2011	Pending

2.3 Environmental Document Submission

A summary of the status of the submissions provided to the ER during the reporting period is presented in **Table 2.2**.

Table 2.2 - Summary of the Contractor's Environmental Related Document Submissions to the Engineer's Representatives (ER)

Item	Document Title	Version	Date of Submission to ER
1	Application for Replenishment of Chits and Extending the Account Validity Period (Exemption Account No. 5000689)	-	21 st December 2011
2	Application of Construction Noise Permit for Use of Ventilation Fans for the Central Wan Chai Bypass (Renewal of GW-RS0757-11)	-	21 st December 2011
3	Application of Construction Noise Permit for Construction Works of Central Wan Chai Bypass (Western Section) (Renewal of CNP No. GW-RS1109-11)	-	21 st December 2011

A summary of Environmental Certification Sheet submissions during the reporting period is presented in **Table 2.3**.

Table 2.3 - Summary of Environmental Certification Sheet Submissions

No	Certification Subject	Letter Ref.	Date of Submission	Approved Status
1	Certification of Monthly Environmental Monitoring & Audit Report No.100, November 2011	3128/M45/200/ OC13273/SB/WW/TWC/fl	14 th November 2011	Issued on 14 th December 2011

2.4 Environmental Meetings

No environmental meeting was held in this reporting period.

2.5 Environmental Monitoring Locations

The current environmental monitoring locations are shown in **Annex C**.

Not Used

3. EM&A REQUIREMENTS

3.1 Summary of Impact EM&A Requirements

The EM&A programme requires environmental monitoring for air quality, noise, water quality, waste management, landscape and visual aspects as specified in the CRIII Project EIA. The EM&A requirements for each issue area are described in subsequent sections including:

- All required monitoring parameters;
- Action and Limit Levels; and
- Event/ Action Plans.

A summary of impact EM&A requirements is presented in **Table 3.1**.

Table 3.1 - Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies	Duration
TSP	24-Hour TSP	2 Locations	Once every 6 days	During dust generating construction works
	1-Hour TSP	2 Locations	Three times in every 6 days	During dust generating construction works
Noise	Leq (30 mins), Leq (15 mins), L10, L90.	1 Location	Continuous measurements	Two weeks before Construction and During Construction
Water Quality	The post project monitoring was completed on October 2011			
Waste	On-Site Waste Audit	Active Work Sites	Periodically	During Construction
	On-Site Waste Inspection			
Landscape and Visual	Audits to ensure effective implementation of mitigation measures			During Construction
General Site Conditions	Environmental Site Inspection	Works areas and areas affected by works	Periodically	During Construction

3.2 Environmental Quality Performance Limits

Environmental Quality Performance Limits for air, noise and water quality as provided in the Baseline Monitoring Report (Final) are shown in **Annex D**.

3.3 Event Action Plan

The Event Action Plans for air, noise and water quality as provided in the Baseline Monitoring Report (Final) are shown in **Annex E**.

3.4 Implementation of Environmental Measures

The Contractor is required to implement mitigation measures listed in the EIA Report, EM&A Manual and Further Environmental Permit. During routine site inspections, the Contractor's implementation of mitigation measures was reviewed. The Contractor has implemented their Drainage Management Plan and Silt Curtain Operation Plan for VEP (rev 1).

Not Used

4. MONITORING RESULTS

4.1 Impact Monitoring Schedule in December 2011

Regular site inspections were carried out to assess whether the project's environmental protection and pollution control measures are in compliance with the contract specifications. Inspections were carried out on 3rd, 8th, 15th, 22nd and 29th December 2011.

1-hour and 24-hour TSP monitoring was carried out on 2nd, 8th, 13th, 19th, 23rd and 29th December 2011.

9 noise exceedances were recorded at the monitoring station on 7th, 23rd, 28th and 29th December 2011. Based on site observations and Contractor record on 7th December 2011, breaking activities by concrete breaker were undertaken in the works area of former Queen's Pier during monitoring period. Therefore, the exceedance was considered to be attributed to the Project works, likely due to noise generated by the concrete breaker. ET communicated this with the Contractor representative on 8th December 2011 (approx. 11:30). The noise monitoring results at City Hall from 8th December 2011 to 12th December 2011 showed that no further exceedances occurred. The Contractor was reminded to implement noise mitigation measures such as use of movable barrier properly when carrying out noisy work near the NSR. On 23rd, 28th and 29th December 2011, 8 noise exceedances were recorded. According to Contractor's record, no major activities from the CR3 sites were carried out during monitoring period. Concrete breaking activities and renovation the external wall for City Hall maintenance works by Wing Hing Construction Company Ltd (contractor of Architectural Services Department) at ground floor near the monitoring location were being undertaken during the monitoring period.

The post project water quality monitoring was completed on October.

Additional water quality monitoring for the "the water quality of embayment area between the eastern seawall and the Hong Kong Convention and Exhibition Centre (HKCEC) upon completion of eastern seawall", in accordance with the Environmental Permit No. EP-01/122/2003/D Condition 3.9, was completed on October.

4.2 Monitoring Methodology

4.2.1 Air Quality Monitoring

Air quality monitoring was conducted in accordance with the methodology described in the EM&A Manual. The monitoring stations are located at the City Hall and the PLA Barracks as shown in **Annex C**.

4.2.2 Noise Monitoring

Continuous 24-hour noise monitoring was conducted in accordance with the methodology described in the EM&A Manual in the reporting period. The noise monitoring station is located at the City Hall as shown in **Annex C**.

4.2.3 Water Quality Monitoring

The post project water quality monitoring was completed on October.

Monitoring Results

4.3 Monitoring Equipment

4.3.1 Air Quality

The equipment used for air quality monitoring is listed in **Table 4.1**.

Table 4.1 - Equipment for Air Quality Monitoring

Parameter Measured	Equipment
24-Hour Sampling	High Volume Sampler Model GS2310 by Anderson Instruments
1-Hour Sampling	High Volume Sampler Model GS2310 by Anderson Instruments

4.3.2 Noise

The equipment used for continuous noise monitoring is listed in **Table 4.2**.

Table 4.2 - Noise Monitoring Equipment

Equipment	Model
Integrated Sound Level Meter (SLM)	B&K 2238
Calibrator	B&K 4231, Class 1

4.3.3 Water Quality

The post project water quality monitoring was completed on October.

4.4 Impact Monitoring Results

4.4.1 Air Quality & Noise Monitoring Results

The air quality monitoring results at the PLA Barracks and City Hall monitoring stations are presented in **Annex F**. Graphical representation of the air quality monitoring data is provided in **Annex G**.

The noise monitoring results at the City Hall monitoring station is provided in **Annex H**. Graphical representation of the noise monitoring data is provided in **Annex I**.

4.4.2 Water Quality Monitoring Results

The post project water quality monitoring was completed on October.

Additional water quality monitoring for the “the water quality of embayment area between the eastern seawall and the Hong Kong Convention and Exhibition Centre (HKCEC) upon completion of eastern seawall”, in accordance with the Environmental Permit No. EP-01/122/2003/D Condition 3.9, was completed on October.

4.4.3 Waste Management

Table 4.3 - Monthly Summary Waste Flow Table for December 2011

Month	Actual Quantities of Inert C&D Materials Generated Monthly				
	Total Quantity Generated	Broken Concrete (see Note 4)	Reused in the Contract	Reused in other Projects	Reused as Public Fill
	(in '000 m ³)				
November 2011	0.215	-	0.083	-	0.132
Month	Actual Quantities of C&D Materials Generated Monthly				
	Metals	Paper/cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000 kg)	(in '000 kg)	(in '000 kg)		(in '000 m ³)
November 2011	70	0.384	0	1200L spent lube oil 2500 scrap batteries	0.142*

Notes:

- (1) The performance targets are given in PS Sub-clause 2(5)(c).
 - (2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 - (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
 - (4) Broken concrete for recycling into aggregates.
- * Comprised of 102 m³ of non-inert C&D waste and 40 m³ of general refuse.

4.4.4 Landscape and Visual

As major construction activities undertaken during the reporting period were ground level infrastructure works and fillings works, the landscape and visual impacts are considered minimal.

Monitoring Results

Not Used

5. ENVIRONMENTAL COMPLAINTS AND NON-COMPLIANCE

5.1 Environmental Exceedances

The total number of exceedances for air quality, noise and water quality are presented in the following sections.

5.1.1 Air Quality

No exceedances in TSP level were recorded at the monitoring stations during the reporting period.

5.1.2 Noise Impact

9 noise exceedances were recorded at the monitoring station on 7th, 23rd, 28th and 29th December 2011. Based on site observations and Contractor record on 7th December 2011, breaking activities by concrete breaker were undertaken in the works area of former Queen's Pier during monitoring period. Therefore, the exceedance was considered to be attributed to the Project works, likely due to noise generated by the concrete breaker. ET communicated this with the Contractor representative on 8th December 2011 (approx. 11:30). The noise monitoring results at City Hall from 8th December 2011 to 12th December 2011 showed that no further exceedances occurred. The Contractor was reminded to implement noise mitigation measures such as use of movable barrier properly when carrying out noisy work near the NSR. On 23rd, 28th and 29th December 2011, 8 noise exceedances were recorded. According to Contractor's record, no major activities from the CR3 sites were carried out during monitoring period. Concrete breaking activities and renovation the external wall for City Hall maintenance works by Wing Hing Construction Company Ltd (contractor of Architectural Services Department) at ground floor near the monitoring location were being undertaken during the monitoring period.

5.1.3 Water Quality

The post project water quality monitoring was completed on October.

Additional water quality monitoring for the "the water quality of embayment area between the eastern seawall and the Hong Kong Convention and Exhibition Centre (HKCEC) upon completion of eastern seawall", in accordance with the Environmental Permit No. EP-01/122/2003/D Condition 3.9, was completed on October.

5.1.4 Waste Management

No non-compliances with regard to waste management were recorded in the reporting period.

5.1.5 Landscape and Visual Impact

No non-compliances with regard to landscape and visual impacts were recorded in the reporting period.

5.1.6 Site Environmental Audit

No non-compliances with regard to site environmental audit were recorded for the reporting period.

A summary of findings from site inspections conducted during the reporting period is provided in **Table 5.1**.

Table 5.1 - Summary of Environmental Site Inspections

Date of Inspection	Observations	Action(s)
3 rd December 2011	Nil.	Reminder: The contractor was reminded to prevent the dust emission from site area by regular watering especially in dry weather.
8 th December 2011	Nil.	Nil.
15 th December 2011	<ol style="list-style-type: none"> 1. Breaking process without watering was found in portion 4. 2. Some cement bags without cover were found in portion 2 near stockpiles 	<ol style="list-style-type: none"> 1. The Contractor was recommended to prevent dust emission form breaking activities by watering. 2. The Contractor was recommended to cover cement bags properly.
22 nd December 2011	Dark smoke was observed from excavator in portion 3.	The Contractor was reminded to provide properly maintenance for the site plants to avoid dark smoke emission. Reminder: The Contractor was recommended covering the stockpiles in portion 6 and portion 3 to prevent dust emission during coming holiday.
29 th December 2011	Parts of unpaved works area were observed dry during the site inspection	The contractor was reminded to prevent the dust emission from site area by regular watering especially in dry weather

5.2 Environmental Complaint and Prosecution

No environmental complaint was received during the reporting period.

5.3 Environmental Enquiries

No environmental enquiries were received during the reporting period.

5.4 Unusual Events

No unusual events were recorded during the reporting period.

6. FORECAST AND SCHEDULE

6.1 Key Engineering Works for the Coming Month

Future key works in the coming month (January 2012) are as follows:

- Type A filling in FRAW and FRAE above +2.5mPD
- General filling works above +2.5mPD in IRAE
- Surcharging in FRAW and FRAE
- Construction of GPO boundary wall
- Construction of PLA boundary wall
- Construction of Promenade enhancement works
- Construction of buildings at PLA berth
- Installation of cooling mains discharge pipes in FRAE and FRAW
- Backfilling of CWB structure
- Importation of fill material

6.2 Monitoring Schedules for the Coming Months

Based on the Contractor's programme, the Environmental Monitoring Programme for the following months is planned as follows:

TSP (24-hr and 1-hr monitoring)

TSP will be sampled once every 6 days, during the entire construction period. On each of the sampling days a single continuous 24-hour sample shall be taken, together with 3 separate 1-hr samples.

Noise (Continuous Measurements)

Noise monitoring will be round the clock throughout the entire construction period.

Water Quality Monitoring

The Post project Water quality monitoring was completed on October 2011.

6.3 Construction Programme for the Next 3 Months

The Contractor's works programme for the next 3 months is provided in **Annex B**.

The ET will follow up with the Contractor's proposed programme to ensure compliance in environmental performance and proper implementation of all necessary mitigation measures.

6.4 Monitoring Schedules for the Coming Months

Based on the Contractor's programme, the Environmental Monitoring Programme for the following months is planned as follows:

TSP (24-hr and 1-hr monitoring)

TSP will be sampled once every 6 days, during the entire construction period. On each of the

sampling days a single continuous 24-hour sample shall be taken, together with 3 separate 1-hr samples.

6.5 Noise (Continuous Measurements)

Noise monitoring will be round the clock throughout the entire construction period.

Water Quality Monitoring

The Post project Water quality monitoring was completed on October 2011.

6.6 Construction Programme for the Next 3 Months

The Contractor's works programme for the next 3 months is provided in **Annex B**.

The ET will follow up with the Contractor's proposed programme to ensure compliance in environmental performance and proper implementation of all necessary mitigation measures.

7. CONCLUSION

No exceedances in TSP level were recorded at the monitoring stations during the reporting period.

9 noise exceedances were recorded at the monitoring station on 7th, 23rd, 28th and 29th December 2011. Based on site observations and Contractor record on 7th December 2011, breaking activities by concrete breaker were undertaken in the works area of former Queen's Pier during monitoring period. Therefore, the exceedance was considered to be attributed to the Project works, likely due to noise generated by the concrete breaker. ET communicated this with the Contractor representative on 8th December 2011 (approx. 11:30). The noise monitoring results at City Hall from 8th December 2011 to 12th December 2011 showed that no further exceedances occurred. The Contractor was reminded to implement noise mitigation measures such as use of movable barrier properly when carrying out noisy work near the NSR. On 23rd, 28th and 29th December 2011, 8 noise exceedances were recorded. According to Contractor's record, no major activities from the CR3 sites were carried out during monitoring period. Concrete breaking activities and renovation the external wall for City Hall maintenance works by Wing Hing Construction Company Ltd (contractor of Architectural Services Department) at ground floor near the monitoring location were being undertaken during the monitoring period.

The post project water quality monitoring was completed on October.

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A complaint was received a public complaint referred from FEHD regarding the planter along Lung Wo Road without proper cover on 21st December 2010. During the site investigation on 29 December 2011, the planter along Lung Wo Road has been covered with geotextile since 22 December 2011. The contractor was reminded to proper maintain the dust suppression measures, particularly the work areas near sensitive receivers. The Contractor was reminded to pay more attention on dust control (especially in dry season) and enhance the watering of the whole site when necessary to minimize the dust nuisance.

Environmental site inspections for the CRIII project works area were undertaken on 3rd, 8th, 15th, 22nd and 29th December 2011. The observations and findings of the site inspection are summarised as below:

3rd December 2011

The contractor was reminded to prevent the dust emission from site area by regular watering especially in dry weather.

8th December 2011

Nil.

15th December 2011

Breaking process without watering was found in portion 4. The Contractor was recommended to prevent dust emission form breaking activities by watering.

Some cement bags without cover were found in portion 2 near stockpiles. The Contractor was recommended to cover cement bags properly.

22nd December 2011

Dark smoke was observed from excavator in portion 3. The Contractor was reminded to provide properly maintenance for the site plants to avoid dark smoke emission.

29th December 2011

Parts of unpaved works area were observed dry during the site inspection. The contractor was reminded to prevent the dust emission from site area by regular watering especially in dry weather.