

Maeda-Chun Wo J.V.

## **KCRC West Rail CC201 - Viaduct Kam Tin to Tin Shui Wai**

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**Monthly EM&A Report  
February 2003**

Author            Eric Ha  
Checker          Winsome Yip  
Approver        Jacquelyn Anderson

EA00600/R114/1

March 2003

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## **EXECUTIVE SUMMARY**

Maeda Chun Wo Joint Venture (Viaducts) (MCWJV), the main Contractor for West Rail CC201 appointed Hyder as the Contractor's Environmental Team (CET) to undertake the Environmental Monitoring and Audit (EM&A) works in accordance with the contract specific EM&A Manual. This is the monthly EM&A report summarising the audit findings for February 2003.

### Construction Programme

Major construction activities undertaken in February 2003 during non-restricted hours were reinstatement works. No construction activity was carried out in February 2003 during restricted hours.

### Air Quality, Noise and Water Quality Impact Monitoring

Termination of water quality monitoring, noise and air quality monitoring under EM&A programme have been approved by EPD with effect from 1<sup>st</sup> September 02 (water quality) and 1<sup>st</sup> January 03 (air quality and noise) respectively, and endorsed by the KCRC and the Engineer. The approval letters of termination of air quality, noise and water quality monitoring from EPD are included in Appendix A.

### Environmental Auditing

Regular site inspection/audits were carried out by the CET on 6<sup>th</sup>, 13<sup>th</sup>, 19<sup>th</sup> and 27<sup>th</sup> of February 2003. All observations have been recorded in the audit checklist and passed to the Contractor together with the CET's recommendations. Site audit was undertaken by the IEC on 26<sup>th</sup> February 2003. No Non-Compliance was issued.

### Waste Management

No waste materials were disposed offsite for the reporting month.

### Complaints

No complaints were received during the reporting month.

### Notification of Summons, Successful Prosecutions and Corrective Actions

No Notification of Summons was received during the reporting month.

### Future Key Issues

Construction works have been substantially completed. The outstanding minor reinstatement works at Pok Oi and Tung Shing Lei will be completed by mid-March 2003. Outstanding landscaping works will be carried out following resumption of the planting season. In addition, termination of contract CC201 construction EM&A programme has been approved by EPD, with effect from 1<sup>st</sup> April 2003. The approval letter of termination of the aforesaid construction EM&A programme is included in Appendix A.

## **1. BACKGROUND INFORMATION**

### **1.1 PROJECT INFORMATION**

West Rail Contract CC 201 (hereafter known as the Project) comprises of the construction works of approximately 5.5km of twin track railway viaduct from Kam Tin to Tin Shui Wai. This is the Northern Section and part of the Western Section of West Rail. The Northern Section commences approximately 250m north of the northern portal of the Tai Lam Tunnel. The alignment then heads generally north-west, passing through a new station to be constructed at Kam Tin. From Kam Tin, the alignment continues north-west until it reaches a junction at Au Tau between a north bound section of the alignment and the westbound route to Tuen Mun. Two kilometres west of Au Tau along Tuen Mun branch, the North Section comes to an end at eastern end wall of the proposed Yuen Long Station. From here alignment continues in the Western Section and extends generally westward from Yuen Long Station through Long Ping Station and ends at Tin Shui Wai Station. The Project comprises of viaduct construction and does not include the construction of the stations. Figure 1.1 presents the Project alignment.

Maeda Chun Wo Joint Venture (Viaducts) (MCWJV) is the main Contractor for the Project. Hyder Consulting has been employed as the Contractor's Environmental Team (CET) and undertaking the Environmental Monitoring and Audit (EM&A) programme in accordance with the contract specific EM&A Manual.

Major construction works for the Project has commenced. Impact monitoring for air quality, noise and water quality has been undertaken by the CET during the course of the works. This report summarises the monitoring and auditing data, which form the basis for the assessment of compliance against define criteria.

### **1.2 CONSTRUCTION PROGRAMME**

It is anticipated that the overall project programme from the detail design to completion of all civil works will take approximately 64 months. The civil works contract is anticipated to take approximately 47 months.

### **1.3 PROJECT ORGANISATION AND MANAGEMENT**

An Environmental Team is set up for the Project construction phase. The organisation and lines of communication with respect to environmental works are shown in Figure 1.2.

In general, CET is responsible for regular on-site monitoring and audits/inspection on environmental issues and report to the Contractor of any potential environmental deficiencies. The Independent Environmental Checker (IEC) is responsible for carrying out the formal audit and verifies the overall environmental performance. Finally, the Environmental Manager of KCRC will manage the IEC who would review the deliverables prior to the submission to EPD.

## 2. NON-COMPLIANCE AND DEFICIENCY

### 2.1 SITE INSPECTION/AUDIT

#### 2.1.1 Site inspection/Audit by CET

CET had carried out regular site inspection/audit in February 2003 and relevant dates and areas inspected are provided below:

- Pier 601 to 618 – 6<sup>th</sup> February 2003;
- Pier 238 to 250, EVA16 – 13<sup>th</sup> February 2003;
- Pier 265 to 279, EVA17 – 19<sup>th</sup> February 2003;
- Pier 610 to 625, EVA20 – 27<sup>th</sup> February 2003; and

All observations have been recorded in the audit checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary. Significant deficiencies observed during site inspection/audits and recommendation, which have been made by the CET, are summarised in Table 5.1 below:

Significant Deficiencies Observed	CET Recommendation	Contractor's Responses
<ul style="list-style-type: none"> <li>• No significant deficiency was observed.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>

**Table 2.1 Summary of Site Inspection/Audits and Recommendations**

#### 2.1.2 Site Audit by IEC

Site audit was undertaken by the KCRC and IEC on 26<sup>th</sup> February 2003. Appendix J presents the site inspection checklists. Observations and recommendations are summarised as below:

- a) Following up the last audit, the Contractor was in process of commencing the landscaping works in the following area; Ha Mei, Wing Ning, Tung Shing Lei, EVA16 and Pok Oi;
- b) EVA20 and EVA21 was completed;
- c) Minor stockpiles were observed at Tung Shing Lei. The Contractor indicated that those stockpiles would be disposed by the end of the month.

No notice of Non-Compliance (NC) was issued.

## 3. WASTE MANAGEMENT

No waste materials were disposed offsite for the reporting month.

## 4. COMPLAINT

No complaint was received in the reporting month. Appendix E presents a complaint log summarising all complaints received since the commencement of the Project.

**5. SUMMARY OF NOTIFICATION OF SUMMONS, SUCCESSFUL PROSECUTIONS AND CORRECTIVE ACTIONS**

No Notification of Summons was received during the reporting month. Appendix K presents a list of Notification of Summons received since the commencement of the Project.

**6. FUTURE KEY ISSUES**

The major construction works have been substantially completed, the remaining construction works for the upcoming three months will comprise E&M works for the EVA's & viaduct, minor ground reinstatement and landscaping works. The environmental impacts arising from those works are expected to be minimal.

**Appendix B          Complaints Log**

Date Received by JV	Complainant	Details of the Complaint	Action	Completion Date	Remark
(no complaint was received in January 2000)					
(no complaint was received in February 2000)					
(no complaint was received in March 2000)					
(no complaint was received in April 2000)					
(no complaint was received in May 2000)					
(no complaint was received in June 2000)					
(no complaint was received in July 2000)					
5 <sup>th</sup> August 2000	N/A	The complaint is arisen from the vibration and noise induction for installation and the extraction of temporary casing in the vicinity of the Tung Shing Lane area.			Letter ref: WR1CRN2000-0152541 dated 3th August 2000
10 August 2000	Mr Tang	Letter issued from EPD regarding complaint regarding muddy and dusty road condition along Kam Tin Road and believed the dust originated from the nearby West Rail construction site (CC-601 and CC201) as well as the Highway roadwork project at Kam Tin Road.  Mr Tang had visit Kam Tin Road on 8 <sup>th</sup> August and spotted the road was muddy and dusty during and after rain. KCRC West Rail Division and Highway Department is requested to take immediate action.			Letter ref: EP/N6/L30/TW1200-00
(no complaint was received in September 2000)					
(no complaint was received in October 2000)					
(no complaint was received in November 2000)					
(no complaint was received in December 2000)					
(no complaint was received in January 2001)					
(no complaint was received in February 2001)					
(no complaint was received in March 2001)					
(no complaint was received in April 2001)					
(no complaint was received in May 2001)					

Date Received by JV	Complainant	Details of the Complaint	Action	Completion Date	Remark
		(no complaint was received in June 2001)			
		(no complaint was received in July 2001)			
		(no complaint was received in August 2001)			
		(no complaint was received in September 2001)			
		(no complaint was received in October 2001)			
		(no complaint was received in November 2001)			
		(no complaint was received in December 2001)			
		(no complaint was received in January 2002)			
		(no complaint was received in February 2002)			
		(no complaint was received in March 2002)			
		(no complaint was received in April 2002)			
		(no complaint was received in May 2002)			
		(no complaint was received in June 2002)			
		(no complaint was received in July 2002)			
		(no complaint was received in August 2002)			
		(no complaint was received in September 2002)			
		(no complaint was received in October 2002)			
		(no complaint was received in November 2002)			
		(no complaint was received in December 2002)			
		(no complaint was received in January 2003)			
		(no complaint was received in February 2003)			



**Appendix C                      Comments and Responses**

Department / Company Name	Reference	Date	Date received by ....
From KCRC to MCWJV From MCWJV to Hyder	<u>Comment on Jan 03 EM&amp;A Report</u> / /	/ /	/ /

No specific comment from KCRC/IEC on the Jan 03 monthly EM&A report was received during the preparation of this report.