

Environmental Protection Department

EN101 (Cor)

環境保護署



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Total no. of pages including this page: 1

To: Kowloon Canton Railway Corporation (Attn.: Mr. Richard KWAN)

YOUR REF.: KSL-07/KDB300&400/EN101/0094754

YOUR FAX NO.: 2145 4269

FROM: Keith LAM

OUR REF: Ax(1) to EP2/G/A/121 Pt. 15

TEL. NO.: 2835 1844

DATE: 13.7.07

X NO.: 2591 0558



Dear Mr. Kwan,

Kowloon Southern Link

13 JUL '07 18:25

24-hr TSP Air Monitoring at Charming Garden (AM5) and Environmental Monitoring & Audit Manual - Contract KDB300 & KDB400

KCRC's letters dated 30.5.07, 14.6.07 and 4.7.07 on the subject refer.

2. According to the responses to comments (R-to-C) enclosed in KCRC's letter on 4.7.07, "...there will be no night works and stockpiles of dusty material at the work site opposite Charming Garden..." and "...in the case that any night time construction works are to be undertaken at the works site opposite Charming Garden, further liaison with the management office for the possibility of resuming the 24-hr TSP monitoring during this period shall be undertaken to ensure no longer term construction dust impact to Charming Garden". The R-to-C also mentions that "Screening structure outside the HVAS was proposed..." but "...refused...".

3. In order to facilitate the public to obtain information related to KCRC/contractor's subject proposed arrangement for the 24-hr TSP monitoring at the Charming Garden, please:

- (i) document the letters on 30.5.07 [KSL-07/KDB300&400/EN101/0094738] and 4.7.07 [KSL-07/KDB300&400/EN101/0094754] and the enclosures into the KDB300/400 EM&A Manual as Appendix;
(ii) related to the above, please update the "List of Appendices" in the "Contents" page to include the above mentioned Appendix;
(iii) consider notes/remarks for Table 5-1 of the KDB300/400 EM&A Manual to cross-reference with the above mentioned Appendix.

Handwritten signature

(Keith LAM)

Environmental Protection Officer for Director of Environmental Protection

Hyder Consulting Limited receipt form with date 27 JUL 2007 and signature

Distribution KCRC China State Hyder

(Attn.: Ms. Lisa POON) (Attn.: Mr. Brian KAM) (Attn.: Mr. Adi LEE)

Fax: 3580 1943 Fax: 2317 8204 Fax: 2805 5028 Fax: 2891 0305

Post-It Fax Note 7671 with fields for Date, To, From, Co./Dept., Phone #, Fax #

date & ensure comments are incorporated in EM&A Manual

31 MAY 2007



九廣鐵路公司
Kowloon-Canton Railway Corporation

新鐵路東副部

New Railway Projects Division

Our Ref.: KSL-07/KDB300&400/EN101/0094738

FAV
30 May 2007
(By Hand)

Environmental Protection Department
28/F Southorn Centre
130 Hennessy Road
Wanchai Hong Kong

Attn: Mr Keith Lam

Dear Keith,

**Kowloon Southern Link
Environmental Permit EP-215/2005/B**

Hyder Consulting Limited			
Date received	27 JUL 2007		
Ref	2007-2808		
Div/Des	ENV		
Manager	G...		
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Reply to			

Suspension of 24-hr TSP Air Monitoring at Charming Garden (A5)
under Contract KDB-300 (FEP-02/215/2005/A) and
KDB-400 (FEP-03/215/2005/A)

Enclosed please find the self-explanatory letter provided by the Environmental Team Leader that proposes to suspend 24-hr TSP air quality monitoring at the monitoring station (A5). The justifications for the suspension of the air monitoring have been also provided for your consideration.

Please note that the proposal has been verified by the Independent Environmental Checker. In addition, 1-hr TSP air quality monitoring will be continued at the monitoring station (A5) to demonstrate the construction dust condition.

I will be grateful if you could approve the proposal at your earliest convenience.

Yours sincerely,

Richard Kwan
Environmental Manager

Post-It® Fax Note	7671	Date	27-7-07	# of pages	3
To	Adi Lee	From	Natalie Ip		
Co./Dept.		Co.			
Phone #		Phone #	3515 5655		
Fax #	2805 5078	Fax #			

RKVT/TC/dl

Attachment: (K1-95043 & K1-137485)

KCRC House, No. 9 Lok King Street, Fo Tan, Sha Tin, N.T., Hong Kong Telephone: (852) 2638 1333 Facsimile: (852) 2145 4269



c.c.:
KCRC
Maunsell
China State

A
RE (Lisa Poon/Natalie Ip)
IEC (Y T Tang/Connie Wong)
EM (Brian Kam)

Fax: 3580 1943
Fax: 2891 0305
Fax: 2317 8204

w/o encl.

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ENSR Asia (HK) Ltd.

(formerly Maunsell Environmental Management Consultants Ltd)
11/F Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, N.T., Hong Kong

安社亞洲(香港)有限公司

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Ref No.: MEMCL/07/KGS811/cwhy705291/0255
File: 60016779/c/cwhy705291

By Fax (2145 4269)

Kowloon-Canton Railway Corporation
KCRC House
No. 9 Lok King Street
Fo Tan, Shatin
N.T., Hong Kong

Attn: Mr. Richard Kwan
Environmental Manager

29 May 2007

Dear Sir,

Contract No. KGS811
Kowloon Southern Link
Independent Environmental Checker

KDB300 & KDB400 Environmental Monitoring at Charming Garden

Reference is made to the Environmental Team's correspondence (1273-04/E07-18792) dated 21 May 2007. We have no further comments on the suspension of the 24-hour TSP monitoring and continuation of the 1-hour TSP monitoring at Charming Garden (A5).

According to condition 5.1 of Environmental Permit No. EP-215/2005/B, the proposed suspension was justified by the ET Leader and hereby verified by the IEC as conforming to the information and requirements specified in the EM&A Manual.

Should you have any queries, please feel free to contact me at 3105 8537.

Yours faithfully,
For and on behalf of
ENSR Asia (HK) Ltd.

Y T Tang
Independent Environmental Checker

- cc. KCRC (RSS) - Ms. Lisa Poon (Fax: 3580 1943)
- Hyder - Mr. Adi Lee (Fax: 2805 5028)
- China State - Mr. Brian Kam (Fax: 2865 5939)

Hyder Consulting Limited			
Date received	30 MAY 2007		
Reg. no.	2007-20118		
Div/Dep.	ENV		
Manager	CIL		
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For Action	Info	Sign	Date
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Maunsell AECOM Group Chief Executive: T C K Shum. President/HK: D S Lo. Chief Financial Officer: P K L Wong



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Hyder Consulting Limited is incorporated in Hong Kong with limited liability.
COI Number 126012

21 May 2007

BY POST AND FAX (2865 5939)

China State Construction Engineering (HK) Ltd
7/F Canton Road Government Office
393 Canton Road
Tsim Sha Tsui
Hong Kong

Your Ref:

Our Ref: 1273-04/E07-18792

For the attention of: Mr Brian Kam / Distribution List

Dear Sir/Madam,

**Kowloon Southern Link - KDB300 and KDB400
Environmental Monitoring at Charming Garden (A5)**

We refer to the recent complaints regarding the noise nuisance to the local residents of Charming Garden (A5) from the night time operation of the High Volume Air Sampler (HVAS) for 24-hr TSP monitoring.

Upon receiving the abovementioned complaint in March 2007, the ET has carried out the following measures to minimise the noise nuisance from the operation of the HVAS to the residents:

- Replaced a new motor with less noise generation;
- Adjusted the sampling flow rate to an acceptably low level (i.e. 0.6m³/s as specified in the EM&A manual) to reduce the noise generation;
- Located the HVAS as far away as possible from the residential dwellings;
- Checking and inspection of the HVAS to confirm its normal operation. No abnormal noise emanation from the operation was observed;
- Considered to line the inside of the HVAS with noise adsorptive material. However, it was considered infeasible since this would increase the chance of failure of the HVAS and cause safety concerns (e.g. cause fire when the HVAS is overheat); and
- Liaised with the management office for alternative locations within Charming Garden. However, management office indicated that there is no suitable alternative location for setting up the air monitoring station within Charming Garden due to safety and security reasons.

Although a number of measures have been implemented, the management office of Charming Garden, upon further complaint from the residents in early May 2007, have requested that the operation of the air quality monitoring equipment be stopped after 2300 hours or removed from Charming Garden.

As such, we propose to suspend the 24-hr TSP monitoring but continue the 1-hour TSP monitoring at Charming Garden (A5) taking into consideration of the following justifications:





- Since the commencement of works in December 2005 there has been no 24-hr TSP exceedance at AM5 related to the KSL construction works. All 24-hr TSP exceedances recorded at AM5 were due to poor ambient air quality.
- As advised by the Contractor, there will be no night works and stockpiles of dusty material at the work site opposite Charming Garden.
- It is considered that the construction dust emission during the night time period from this work site is insignificant. 1-hr TSP monitoring is considered representative and adequate to monitor the construction dust impact due to the daytime construction works.

Nevertheless, in the case that any night time construction works are to be undertaken at the works site opposite Charming Garden, further liaison with the management office for the possibility of resuming the 24-hr TSP monitoring during this period shall be undertaken.

Should you wish to discuss the matter further, please do not hesitate to contact the undersigned at 2911 2729 or our Sarah James at 2911 2725.

Yours sincerely

Adi Lee
Environmental Team Leader
HYDER CONSULTING LIMITED

Distribution List:

Lisa Poon / Natalie Ip – SRE	Fax: 3580 1943
Viola Tong – KCRC	Fax: 2145 4269
Y T Tang / Connie Wong – IEC	Fax: 2891 0305

AL/SJ

FAXED
DATE: 21 MAY 2007



K1-0000094754

EN101 (Corr)

九廣鐵路公司

Kowloon-Canton Railway Corporation

Our Ref.: KSL-07/KDB300&400/EN101/0094754

新鐵路策劃部
New Railway Projects Division

Environmental Protection Department
28/F Southorn Centre
130 Hennessy Road
Wanchai, Hong Kong

4 July 2007
(By Fax)

Attn: Mr Keith Lam

FA X E D
4 July 2007

Dear Keith,

**Kowloon Southern Link
Environmental Permit EP-215/2005/B**

**Response to Comment on Suspension of 24-hr TSP Air Monitoring at
Charming Garden (AM5)**
under Contract KDB-300 (FEP-02/215/2005/A) and
KDB-400 (FEP-03/215/2005/A)

Enclosed please find ET Leader's responses to the comments (yr letter ref. no: EP2/G/A/121 Pt 15 dated on 11 June 2007) on the suspension of the 24-hr TSP monitoring at the above station (AM5).

Please note that the verification by Independent Environmental Checker has also been provided.

I will be grateful if you could approve the proposal at your earliest convenience.

Yours sincerely,

Richard Kwan
Environmental Manager

RK/VT/TC/dl

Attachment: (K1-140833)

c.c.:

KCRC

RE (Lisa Poon/Natalie Ip)

Fax: 3580 1943

Maunsell

IEC (Y T Tang/Connie Wong)

Fax: 2891 0305

w/o encl.

China State

EM (Brian Kam)

Fax: 2317 8204

香港新界沙田火炭坳背灣九號 九廣鐵路公司大樓

KCRC House, No. 9 Lok King Street, Fa Tan, Sha Tin, N.T., Hong Kong Telephone: (852) 2688 1333 Facsimile: (852) 2143 4269

此封套內之回應文件只供有關合約編號為 KSL-07/KDB300&400/EN101/0094754 之用



TOTAL P.01

TOTAL P.03

P.03



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COI Number 126012

29 June 2007

BY POST AND FAX (2865 5939)

China State Construction Engineering (HK) Ltd
7/F Canton Road Government Office
393 Canton Road
Tsim Sha Tsui
Hong Kong

Your Ref:

Our Ref: 1273-04/E07-24364

For the attention of: Mr Brian Kam / Distribution List

Dear Sir/Madam,

**Kowloon Southern Link - KDB300 and KDB400
Environmental Monitoring at Charming Garden (A5)**

We refer to EPD's letter (ref.: Ax(1) to EP2/G/A/121 Pt. 15 dated 11 June 2007) regarding the comments on our proposed suspension of 24-hr TSP monitoring at Charming Garden.

Enclosed please find our responses to EPD's comments for your onward submission to EPD.

Should you wish to discuss the matter further, please do not hesitate to contact the undersigned at 2911 2729 or our Sarah James at 2911 2725.

Yours sincerely

A handwritten signature in black ink, appearing to be 'Adi Lee'.

**Adi Lee
Environmental Team Leader
HYDER CONSULTING LIMITED**

Distribution List:

Lisa Poon / Natalie Ip – SRE	Fax: 3580 1943
Viola Tong – KCRC	Fax: 2145 4269
Y T Tang / Connie Wong– IEC	Fax: 2891 0305

FAXED
DATE: 29 JUN 2007

AL/SJ

**Kowloon-Canton Railway Corporation
Kowloon Southern Link
24-hr TSP Air Monitoring at Charming Garden (AM5)**

Department / Company Name	Reference	Date
Environmental Protection Department	Ax(1) to EP2/G/A/121 Pt. 15	11 June 2007

**Kowloon-Canton Railway Corporation
Kowloon Southern Link
24-hr TSP Air Monitoring at Charming Garden (AM5)**

Comments	Responses
<p>Environmental Protection Department Ref: Ax(1) to EP2/G/A/121 Pt. 15</p>	
KCRC's letter dated 30.5.07 refers.	
2. Please find the following for KCRC/contractor to address:	
<p>(i) 24-hr TSP is an Air Quality Objective (AQO). No nighttime work is not a good reason to rule out the need for 24-hr TSP monitoring, and no 24-hr TSP exceedance related to the KSL construction works since 2005 cannot guarantee the future performance.</p>	<p>It is understood that the Limit Level of 24-hr TSP is AQO.</p> <p>It should be noted that the KSL EIA Report (Section 5) indicates that only short-term construction dust impact (i.e. exceedance of 1-hr TSP assessment criterion) to Charming Garden would be anticipated if no dust control measures such as provision of regular watering is implemented. Although Charming Garden was identified as one of the designated monitoring location, it is considered that the major concern is the short-term (1-hr TSP) construction dust impact.</p> <p>As advised by the Contractor, there will be no night works and stockpiles of dusty material at the work site opposite Charming Garden. It is further suggested that 24-hr TSP monitoring at Charming Garden is not necessary.</p> <p>Nevertheless, as mentioned in ET's proposal, in the case that any night time construction works are to be undertaken at the works site opposite Charming Garden, further liaison with the management office for the possibility of resuming the 24-hr TSP monitoring during this period shall be undertaken to ensure no longer term construction dust impact to Charming Garden.</p>

**Kowloon-Canton Railway Corporation
Kowloon Southern Link
24-hr TSP Air Monitoring at Charming Garden (AM5)**

Comments	Responses
Environmental Protection Department Ref: Ax(1) to EP2/G/A/121 Pt. 15	
(ii) According to the ET Leader's letter [Hyder's Ref.: 1273-04/E07-18792 dated 21.5.07], lining to <u>inside</u> of the HVAS with noise absorptive material has been considered. However, the letter does not mention the consideration/practicability of installing any screening structure <u>outside</u> the HVAS to minimize potential noise nuisance to the residents and at the same time, can still position the sampler in accordance with the principles in para. 5.1.4 of the EM&A Manual (attached) submitted by KCRC in January 2005 and para. 1.4.3, Appendix D2 of "Guidelines for Development Projects in Hong Kong: Environmental Monitoring and Audit" (attached), including "a minimum of 2 metres separation from walls, parapets..." and "airflow around the sampler is unrestricted".	Screening structure outside the HVAS was proposed. However, the management office of Charming Garden refused the proposed measures of putting additional structures/objects around the monitoring station.

**Kowloon-Canton Railway Corporation
Kowloon Southern Link
24-hr TSP Air Monitoring at Charming Garden (AM5)**

Comments	Responses
<p>Environmental Protection Department Ref: Ax(1) to EP2/G/A/121 Pt. 15</p>	
<p>(iii) According to the ET Leader's letter, "the management office indicated that there is no suitable alternative location for setting up the air monitoring station <u>within</u> Charming Garden due to safety and security reasons". However, the letter does not mention the practicability of any possible alternative location in the vicinity area <u>outside</u> the Charming Garden for 24-hr TSP monitoring.</p>	<p>A further review for the alternative locations of Charming Garden (A5) was carried out. It was identified that two possible alternative locations, Yau Ma Tei Catholic Primary School and HKMA David Li Kwok Po College, of where it is considered that the setting up of an air quality monitoring station may be feasible and practicable.</p> <p>The KSL EIA Report (Section 5, Table 5-3) indicates that there would be no construction dust impact (i.e. no exceedance of 1-hr/24-hr TSP assessment criteria) to Yau Ma Tei Catholic Primary School and HKMA David Li Kwok Po College even if no dust control measures is implemented. Moreover, the KSL EIA Report indicates that only short-term construction dust impact (i.e. exceedance of 1-hr TSP assessment criterion) would be imposed to Charming Garden if no dust control measures such as provision of regular watering is implemented. Thus, Charming Garden was identified as one of the designated monitoring location to ensure that the dust mitigation measures are implemented properly.</p> <p>The above not only suggest an air quality monitoring at Yau Ma Tei Catholic Primary School and HKMA David Li Kwok Po College is not necessary but also no longer term (i.e. 24-hr TSP) construction dust impact to Charming Garden is anticipated. Thus, no alternative location outside Charming Garden is further considered and 24-hr TSP monitoring at Charming Garden is proposed to be suspended.</p>
<p>(iv) When considering alternative location, KCRC/contractor shall also consider the baseline level of the alternative monitoring location for the purpose to derive the Action Level;</p>	<p>Noted.</p>

Kowloon-Canton Railway Corporation
Kowloon Southern Link
24-hr TSP Air Monitoring at Charming Garden (AM5)

Comments	Responses
Environmental Protection Department Ref: Ax(1) to EP2/G/A/121 Pt. 15	
(v) The Charming Garden's request as documented in the ET Leader's letter is "...the operation of the air quality monitoring equipment be stopped <u>after 2300...</u> " rather to suspend the 24-hr TSP monitoring.	As the management office of Charming Garden requested that the operation of the air quality monitoring equipment be stopped after 2300 hours, no representative 24-hr TSP sample could be obtained. Taking into consideration of that no longer term (i.e. 24-hr TSP) construction dust impact to Charming Garden is anticipated even no dust control measures in the KSL EIA Report, it is proposed to suspend the 24-hr TSP monitoring at Charming Garden.
3. To facilitate KCRC/contractor to liaise with the IEC and the ET Leader to address the above, site photo take during our visit on 7.6.08 is attached for reference.	Noted.
4. Separate from the letter on 30.5.07, KCRC has also submitted the KDB300 & KDB400 EM&A Manual on 4/6/07. However, in view of its relation with the 24-hr TSP monitoring at Charming Garden, we appreciate KCRC/contractor to address the above para. 2 <u>prior</u> to seeking our consideration of the EM&A Manual under the EP provision.	Noted.