Contract No. GE/2013/06

Landslip Prevention and Mitigation Programme, 2008, Package J

Landslip Prevention and Mitigation Works in New Territories

Above Leung Fai Tin along Clear Water Bay Road, Sai Kung

Study Area: 12/NW-C/SA1 (Study Area H)

Independent Environmental Checker (IEC)
Monthly Audit Report No. 8

1 September to 30 September 2014

182663/B&V/008/Issue 1

Kwan On Construction Co Ltd 3E, Yiko Industrial Building 10, Ka Yip Street Chai Wan, Hong Kong Black & Veatch Hong Kong Limited 25/F, Millennium City 6 392 Kwun Tong Road Kowloon Hong Kong

October 2014

均安建築有限公司 KWAN ON CONSTRUCTION CO. LTD.

18 Oct 2014

Senior Environmental Protection Officer (Regional Assessment)3 Environmental Protection Department Environmental Assessment Division - Regional Assessment Group 27/F, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong

By Post

Attn: Mr. WONG Wai-yan, Richard

Dear Sirs,

CEDD Contract No. GE/2013/06 Landslip Prevention and Mitigation Programme, 2008, Package J Landslip Prevention and Mitigation Works in New Territories Environmental Permit No. EP-448/2013

Independent Environmental Checker (IEC) Monthly Audit Report No. 8

Pursuant to Clause 2.5 of the Environmental Permit No. EP-448/2013, we would like to submit captioned the Independent Environmental Checker Monthly Audit Report No. 8 for your perusal.

Yours faithfully,

Kwan On Construction Co., Ltd.

Joey WONG

Ref: GE/2013/06-S463

Encl.

c.c. - GEO/LPM2 – Mr. Harris LAM w/e
- CH2M HILL Halcrow China Limited – Mr. Joe Nam w/e

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Figure 1 Location Plan of the Designated Project

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Appendix A Environmental Inspection Checklist

	Name	Signature	Date
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Checked	Manuel CHUA	Ju-	9 at 2014
Reviewed / Authorised	Norman SONG	Nom	9 oct 2014

Document Control Amendment Record			CEDD Contract No. GE/2013/06 Landslip Prevention and Mitigation Works in New Territories Above Leung Fai Tin along Clear Water Bay Road, Sai Kung Study Area: 12/NW-C/SA1 (Study Area H)	No: 182663/B&V/008 /Issue 1 Prepared by: B&V	
	nthly Audit ept 2014)	Report	Client: Kwan On Construction Co. Ltd	Initials: ET Date: 6th Oct 2014	
Pages	Date	Issue No.	Description	Initials:	
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^{*} The Registered Recipient is responsible for destroying or marking as *superseded* all superseded documents.

1. INTRODUCTION

1.1 Background and Project Description

- 1.1.1 Geotechnical Engineering Office (GEO) of the Civil Engineering and Development Department has identified about 2700 natural hillside catchments with a known history of landslides close to existing buildings and important transport corridors based on interpretation of large-scale historical aerial photographs. Natural hillside catchments affecting individual units of existing development are further grouped into different Study Areas designated for natural terrain hazard studies by GEO.
- 1.1.2 The natural hillside, Study Area No. 12NW-C/SA1, at Leung Fai Tin above Clear Water Bay Road in Clear Water Bay Peninsula, includes a number of hillside catchments which warrant high priority for natural terrain hazard study and mitigation actions. The location and the extent of the Study Area are shown in **Figure 1**.
- 1.1.3 The natural hillside within the Study Area has been disturbed since 1940s, and there were 3 landslides identified to have occurred on the natural hillside in 1970s. A detailed natural terrain hazard study concluded that the natural hillside within the Study Area is highly susceptible to landslide failures and the landslide debris would travel downslope and be channelised along the stream course reaching Clear Water Bay Road and the village houses at Leung Fai Tin.
- 1.1.4 Hence, natural terrain hazard mitigation works (HMW) are required at the lower portion of the Study Area (hereinafter referred to as the "Works Area") to mitigate the potential hazards arising from natural terrain open hillslope landslides, boulder falls and channelised debris flows at the Study Area affecting Clear Water Bay Road and village houses at Leung Fai Tin downhill. The proposed natural terrain HMW includes erection of tensioned steel mesh fences (also known as flexible barrier), construction of masonry maintenance staircases and associated landscape treatments at the Works Area. The extent of the Works Area has been carefully considered to limit the extent of proposed works, necessary working space and the site access.

1.2 Types of Designated Project

1.2.1 The Natural Terrain Hazard Mitigating Works at Study Area No. 12NW-C/SA 1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung is referred as "Designated Project" (DP) which includes the works area of the Project falls within a Conservation Area under the approved Clear Water Bay Peninsula South Outline Zoning Plan No. S/SK-CWBS/2 and Item Q.1 Part 1 of Schedule 2 under the Environmental Impact Assessment Ordinance (EIAO). The Project Profile (Register No. PP-480/2013) was submitted for directly application of Environmental Permit (EP) on 18 March 2013. Environmental Protection Department (EPD) granted the EP (EP No.: EP-448/2013) to the GEO/Civil Engineering and Development Department (hereinafter referred to as the "Client") in 10 April 2013 to construct the Designated Project (DP) under the Environmental Impact Assessment Ordinance

(EIAO).

1.2.2 According to the EP Specific Condition Clause 2.5, the Permit Holder shall employ an Independent Environmental Checker (IEC) to audit the implementation of all mitigation measures recommended in the Project Profile and the approved Landscape and Compensatory Planting Plan, and to certify in writing in the monthly audit report full implementation of the mitigation measures during and upon completion of the construction works. The IEC shall not be in any way an associated body of the Contractor of the Project.

1.3 Location and Scale of Project

- 1.3.1 The proposed HMW will be constructed within the Works Area at the lower portion of the Study Area No. 12NW-C/SA1 above Clear Water Bay Road, Leung Fai Tin in Clear Water Bay Peninsula. The Works Area is located within a Conservation Area. Extent of the Works Area is approximately 6,000m² and the project comprises as follows:
 - a. Erect about 250m long, 5m-6m high flexible barrier supported by vertical and raking steel bar anchors (about 120 nos.) to be drilled and installed in ground.
 - b. Construct of 300m long, 600mm wide masonry maintenance access with handrails
 - c. Provision of soft landscape works includes pit-planting of native/shrub seedlings, plant of climbers and hydroseeding.

1.4 Organisation and Reporting Schedule

1.4.1 CEDD commissioned CH2M HILL Halcrow China Limited (CHMHC) as the Engineer. The Contractor of the Project is Kwan On Construction Co. Ltd (KOCCL). Black & Veatch Hong Kong Limited (B&V) was appointed as Independent Environmental Checker (IEC) on 10 February 2014. This Report covers the period from 1 September 2014 to 30 September 2014.

2. PROGRESS OF THE CONTRACT

2.1 Status of the Environmental Licence and Permits

2.1.1 Table 2-1 presents a summary of the status of environmental licenses and permits for this Contract.

Table 2-1 Status of Environmental Permit

Type of Licence	Permit/License	Issue Date	Covered Area	Validity	Status
	No.				
Environmental Permit	EP-448/2013	10 April 2013	Study Area No. 12NW-C/SA1 above Leung	Whole Project	Valid
			Fai Tin along Clear Water		
			Bay Road, Sai		
			Kung		

2.2 Progress of the Construction Works

2.2.1 The Project has been commenced on 15 January 2014. During the reporting period, temporary access, erection of scaffolding and setting up the flexible barrier alignment were being carried out during the site inspection. Temporary work areas were observed along the FB1 4-5 and FB1 11-12 (Please refers to Project Profile Drawing No. TQ/NTMA/1082 and 1083).

2.3 Summary of Site Inspection and Audit

- 2.3.1 Join site audit was carried with CHMHC and KOCCL on 23rd September 2014. During the site audit, it was observed that a temporary access was formed for material and equipment transportation. It was noted that the temporary access was outside the works area. Erection of scaffolding and setting up of flexible barrier alignment were observed within the works area. A meeting was held with CHMHC and KOCCL on 30th September 2014 and the Contractor agreed to carry out remedial work at the temporary access and confined all works within works area during the construction period as stated in the EP. The temporary access shall be fenced off properly. It is agreed that no work shall be carried out outside the permitted boundary. The Contractor will propose and submit the reinstatement work for the temporary access and proactive measures to prevent recurrence to the Engineer. The propose reinstatement work is subject to the agreement of land owner.
- 2.3.2 It was observed that some of the existing trees adjacent to works area were not fencing off properly. The Contractor shall provide protective measures to prevent tree damage during construction.
- 2.3.3 It was observed that one of the *Aquilaria sinensis* (土沉香) (Tree No. 480A) was not properly fenced off and protected. According to the Project Profile, each individual of *Aquilaria sinensis* and *Pavetta hongkongensis* (香港大沙葉) within the works area of the Project shall be retained in-situ, tagged and fenced off either in groups or individually to prevent being damaged/disturbed during construction. The Contractor shall provide all required protective measures to all *Aquilaria sinensis* and

Pavetta hongkongensis (香港大沙葉) and retained in-situ.

- 2.3.4 Follow up actions including provision of tree protective measures and fencing and reinstatement work for temporary access are required. No tree felling was recorded.
- 2.3.5 It is reminded that the Contractor shall ensure construction activities shall fully comply with the environmental permit conditions.
- 2.3.6 It is reminded that the Contractor shall provide sufficient induction training to all site personnel (both supervision staff and workers) in order to brief them on tree preservation including the locations of the *Aquilaria sinensis* and *Pavetta hongkongensis* individuals and their importance. The resident site supervisory staff shall closely monitor the conditions of the *Aquilaria sinensis* and *Pavetta hongkongensis* individuals during the construction phase.

2.4 Summary of Complaints and Prosecutions

- 2.4.1 No environmental complaint was recorded in the reporting period.
- 2.4.2 No prosecution was recorded in the reporting month.
- 2.4.3 According to the Specific Condition Clause 2.1 of EP 448/2013, no works shall be carried out outside the works area as indicated in Figure 2 of this Permit. The Contractor will assist to rectify and carry out remediation work subject to agreement with CEDD and the Engineer.
- 2.4.4 The update statistical summary of complaint is presented in Table 2-2.

Table 2-2 Status of Complaints and Prosecution

Reporting	Complaint Statistics		Complaint Statistics Area of		Area of	Validity	Status
Period	Number	Cumulative	Concern	vailuity	Status		
1st Sept 2014 -	0	0					
30 th Sept 2014	U	U	-	-	-		

3. CONCLUSIONS

- 3.1.1 During the reporting period, haul road, erection of scaffolding and setting up the flexible barrier alignment were carried out. The Contractor was reminded to provide protective measures to all *Aquilaria sinensis* and *Pavetta hongkongensis* (香 港大沙葉) and retained in-situ. Follow up actions are required.
- 3.1.2 No environmental complaint was received in the reporting month. No summon or prosecution related to the environmental issues was made against the Project in the reporting month.

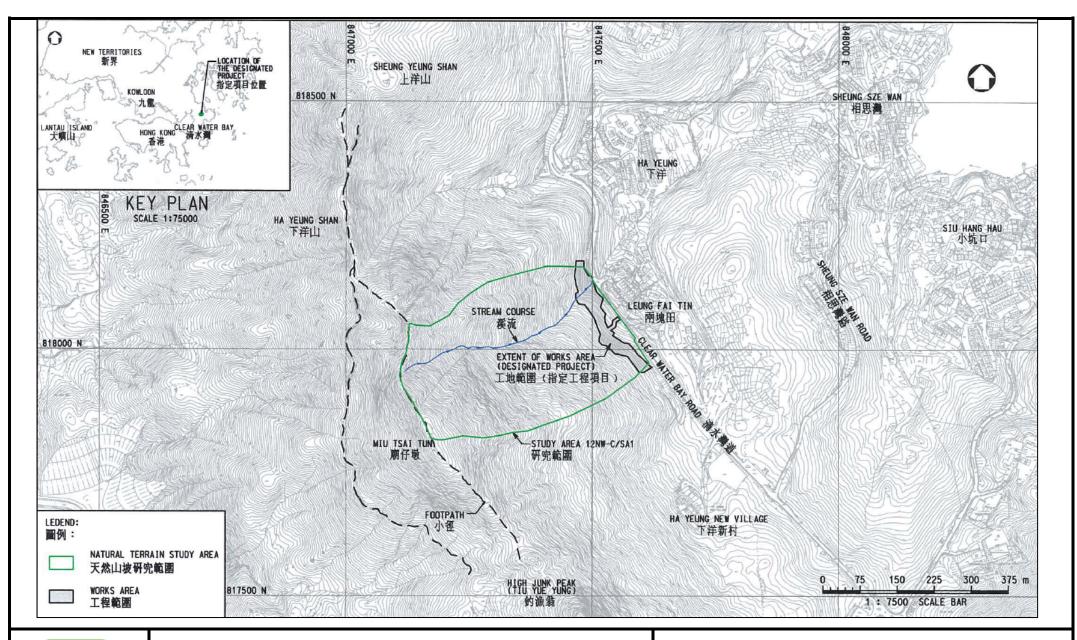
4. RECOMMENDATIONS

4.1.1 The Contractor was reminded to implement the relevant mitigation measures as stated in the Environmental Permit and the Contract to prevent any non-compliance throughout the construction period.

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Figure

October 2014 Black &Veatch





Project Title : Natural Terrain Hazard Mitigation Works at Study Area No. 12NW-C/SA1 above Leung Fai Tin along Clear Water Bay Road, Sai Kung

工程項目名稱: 西 貢 清 水 灣 道 兩 塊 田 天 然 山 坡 研 究 地 區 編 號 12NW/C/SA1

天然山坡災害緩減工程

Environmental Permit No.: EP-448/2013 環境許可證編號: EP-448/2013 Figure 1: Location of the Project

圖 1: 工程項目位置

(This figure was prepared based on Figure 1 of the Project Profile (Register No.: PP-480/2013)) (本圖是根據工程項目簡介(登記冊編號: PP-480/2013) 圖 1 編製)

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Appendix A Environmental Inspection Checklist

October 2014 Black &Veatch



		Che	ecklist Nur	nber:		GE/2013,	/16_No. 8
Project	:	Contract No. GE/2013/16 Ins	pected by	•			
			's Represe			Ms. Esthe	er Tong
			s Represe			Mr. Joe N	
Inspect	ion Date:	23 Sept 2014 ET'	s Represe	ntative:		-	
Time:		Con	ntractor's	Represen	tative:	Mr. Roy L	eung.
PART A		GENERAL INFORMATION					
Weath	_		iny	Fine			
Tempe	Ui	°C Cloudy Na	y				
Humidi) <u> </u>	High Moderate Low					
Wind:	ιγ. [lm				
***************************************	L	strong strong ca					
		on Works Observed			1		
remp	orary acces	s, erection of scaffolding and set up of the flexible barrier alig	nment we	re carried	out.		
PART B	:	SITE AUDIT					
Note:		pplicable; Yes : Compliance; N/C : Non-Compliance; Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Section	1: Constru	ction Noise					
1.01		equipment and activities positioned as far as practicable sensitive receivers?	*				
1.02	Is silence	d equipment adopted?	×				
1.03	Is idle equ	ipment turned off or throttled down?	×				
1.04	Are plant	and equipment kept to a minimum?	X				772
1.05	Is paralle	use of noisy equipment / machinery avoided?	×				
1.06	Are all pla	nt and equipment well maintained and in good condition?	x				
1.07		barriers or enclosures provided at areas where on activities cause noise impact on sensitive receivers?	X				
1.08	Are hand operation	held breakers fitted with valid noise emission labels during ?	X				
1.09	Are air co	mpressors fitted with valid noise emission labels during ?	X				
1.10	Are flaps operation	and panels of mechanical equipment closed during ?	*				
1.11		ruction Noise Permit(s) applied for general construction ing restricted hours?	X				
1.12	Are valid site?	Construction Noise Permit(s) displayed on the construction	*				



		Checklist N	Number:		GE/2013,	/16_No. 8
Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Sectio	n 2: Air Quality					
2.01	Are the excavated materials sprayed with water during handling?	K				
2.02	Are stockpiles of dusty materials sprayed with water, covered or placed in sheltered areas?	X				
2.03	Is the exposed earth properly treated within six months after the last construction activities?	*				
2.04	Is the surface where any drilling, cutting, polishing or breaking operation continuously sprayed with water?	X				
2.05	Are de-bagging, batching and mixing processes carried out in sheltered areas during the use of bagged cement?	X				*
2.06	Are there any fencing provided along the site boundary, which adjoins areas accessible to the public?	X				
Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Sectio	n 3: Water Quality					
3.01	Is the discharge of turbid water avoided?	X				
3.02	Are there proper desilting facilities in the drainage systems to reduce SS levels in effluent?	X				
3.03	Are there channels, sandbags or bunds to direct surface run-off to sedimentation tanks?	X				
3.04	Are there any perimeter channels provided at site boundaries to intercept storm runoff from crossing the site?	X				
3.05	Are the maintenance access and/or anchor built within the stream?	X				
3.06	Are temporary exposed slopes properly covered?	X				
3.08	Are earthworks final surfaces well compacted or protected?	X				
3.09	Are there any procedures and equipment for rainstorm protection?	X				
3.10	Are the vehicle and plant servicing areas paved and located within roofed areas?	X				
3.11	Is the oil leakage or spillage avoided?	X				
3.12	Are there any measures to collect spilt cement and concrete washings during concreting works?	X				
3.13	Are the oil interceptors/grease traps maintained properly?	X				
3.14	Concreting wastes water should be neutralized below the pH Action Levels before discharge.	X				
3.15	Mobile toilets should provide on-site and located away the stream course.	X				
3.16	License collector should be employed for handling the sewage of mobile toilet.	X				



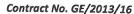
		Checklist Number:			GE/2013,	/16_No. 8
Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Sectio	n 4: Ecology					
4.01	Are the maintenance access and/or anchor built within the stream?	X				
4.02	Is there any opening (at least 0.5m allowed) between the stream bed and the bottom of the flexible barrier provide?	×				
4.03	Are protected plants species are retained in-situ?			\checkmark		Observation 1
4.04	Is there any tree pruning to damage the preserved trees?	×				
4.05	Are all <i>Aquilaria sinensis</i> (85 nos.) and <i>Pavetta hongkongensis</i> (10 nos.) retained in-situ and fenced off?			$\overline{\checkmark}$		
4.06	Are there any tagged provided at retained in-situ trees?			✓		
4.07	Are all retained trees closed to the construction works providing protective wrapping properly to minimize the damage?			✓		Observation 2
4.08	Are only 25 nos. of non-protected trees are felled?	X				
4.09	Are any native light standard trees provided as compensatory planting (ratio 1:3)?	X				
4.10	Are the proposed compensatory trees planting native and shade-tolerant trees species according to the recommendation of Project Profile?	X				
4.11	Is the positioning the alignment has minimum 1.5m in radius away from the alignment?	X				
4.12	Any induction training course to all site personnel (both supervision staff and workers) to brief the persevered trees location and importance?		×			
4.13	Any adjustment of the foundation of flexible barriers and staircases to avoid the damage of root systems of existing trees?		×			
4.14	Is there any re-vegetation area to compensate the temporary loss of 200m² (due to temporary access) understorey area?	X				
4.15	Is there any re-vegetation area to compensate the permanent loss of 200m² (due to maintenance access and anchor) understorey area?	K				
Note:	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Sectio	n 5: Landscape and Visual					
5.01	Is the landscape design including the compensatory planting follow GEO Publication No. 1/2011?	X				
5.02	Is there any erecting of hoarding to minimize the unsightly construction activities?		X			
5.03	Is the hoarding with decorative panels with patterns of vegetation mature trees below the hoardings for nature screening) to minimize the visual impact?		X			
5.04	Any utilization of existing trees located in fornt of hte flexible barrier as natural screening?	X				
5.05	Any provision Pit-planting of native light standard trees and planting of climbers in front of the fence to provided screening effect?	×				
5.06	Is the dark colour of the flexible barrier used?	X				



		Checklist Number:		GE/2013/16_No.		/16_No. 8
5.07	Are the concrete footing of the anchor and the handrails along the maintenance access painted with sub-due colour as far as practical?	×				
5.08	Are the maintenance accesses apply masonry finished to blend with surroundings?	×				
Note:	N/A : Not Applicable; Yes : Compliance; N/C : Non-Compliance; Follow Up : Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Sectio	n 6: Waste Management					
6.01	Has the Waste Management Plan prepared according to ETWB $TC(W)$ No. 19/2005 and submit to Engineer?	X				
6.02	Are receptacles available for general refuse collection?	X				
6.03	Is general refuse sorting or recycling implemented?	X				
6.04	Is general refuse disposed of properly and regularly?	X				
6.05	Is the Contractor registered as a chemical waste producer?	×				
6.06	Are the chemical waste containers properly labelled?	X				
6.07	Are the chemical wastes stored in proper storage areas?	X				
6.08	Is the chemical waste storage area properly labelled?	X				*
6.09	Is the chemical waste storage area used for storage of chemical waste only?	X				
6.10	Are incompatible chemical wastes stored in different areas?	X				
6.11	Are the chemical wastes disposed of by licensed collectors?	X				
6.12	Are trip tickets for chemical wastes disposal available for inspection?	X				
6.13	Are chemical/fuel storage areas bunded?	X				
6.14	Are designated areas identified for storage and sorting of construction wastes?	X				
6.15	Are construction wastes sorted (inert and non-inert) on site?	×				
6.16	Are construction wastes reused?	X				
6.17	Are construction wastes disposed of properly?	X				<u> </u>
6.18	Are site hoardings and signboards made of durable materials instead of timber?	X				
6.19	Is trip ticket system implemented for the disposal of construction wastes and records available for inspection?	-				
6.20	Are appropriate procedures followed if contaminated material exists?	X				
6.21	Is relevant license/ permit for disposal of construction waste or excavated materials available for inspection?	X				
6.22	Site cleanliness and appropriate waste management training had provided for the site workers.	×				



	Checklist N	umber:		GE/2013/	/16_No. 8
N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
n 7: Licence					
Is relevant Environmental Permit posted at all vehicle site entrances/exits?					
Any N/C of EP condition?			\checkmark		Observation 3
n 8: Follow-up of the previous monthly environmental audit on date	41 7		(Checklist N	lo. GE/201	13/16_No. /)
N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions	N/A	Yes	Follow Up	N/C	Photo/ Remarks
Is the situation in item improved / rectified?					4
Is the situation in item improved / rectified?					
Is the situation in item improved / rectified?					
Is the situation in item improved / rectified?					
Is the situation in item improved / rectified?				10-	
	Is relevant Environmental Permit posted at all vehicle site entrances/exits? Any N/C of EP condition? On 8: Follow-up of the previous monthly environmental audit on date N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified?	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions Is relevant Environmental Permit posted at all vehicle site entrances/exits? Any N/C of EP condition? In 8: Follow-up of the previous monthly environmental audit on date N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified?	Follow Up: Observations requiring follow-Up actions Is relevant Environmental Permit posted at all vehicle site entrances/exits? Any N/C of EP condition? N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions Is the situation in item improved / rectified? Is the situation in item improved / rectified?	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Is relevant Environmental Permit posted at all vehicle site entrances/exits? Any N/C of EP condition? N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow-Up: Observations requiring follow-Up actions N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions N/A: Yes Follow Up Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified?	N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions N/A Yes Follow N/C Don 7: Licence Is relevant Environmental Permit posted at all vehicle site entrances/exits? Any N/C of EP condition? N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow-up of the previous monthly environmental audit on date (Checklist No. GE/20: N/A: Not Applicable; Yes: Compliance; N/C: Non-Compliance; Follow Up: Observations requiring follow-Up actions Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified? Is the situation in item improved / rectified?





Environmental Inspection Checklist

Checklist Number:

GE/2013/16_No. 8

Remarks / Obse	rvations:		
Observation 1	Some of the existing trees adjacent	to works area were not fencing o	ff properly.
	The Contractor shall provide protec	tive measures to prevent tree dar	mage during construction
Observation 2	One of the <i>Aquilaria sinensis</i> (土沉	香) (Tree No. 480A) was not prope	rly fenced off and protected
	The Contractor shall provide all req		
	hongkongensis (香港大沙葉) and re		
Observation 3	Temporary access was formed for m	naterial and equipment transporta	tion.
	It was noted that the temporary acc	ess was outside the works area. T	he Contractor will assist to rectify and
	carry out remediation work subject		
	-		
	%	9	
Signature:			
IEC's Representation	ve RE's representative	ET's representative	Contractor's representative
Gotter	Toe		<u> </u>
Name: Ms. Esther	Fong Name: Mr. Joe Nam	Name: NIL	Name: Mr/ Roy Leung
Date: 23 Sept 2014	Date: 23 Sept 2014	Date: -	Date: 23 Sept 2014



Environmental Inspection Checklist

Checklist Number:

GE/2013/16_No. 8

Observation



Observation 1:

It was observed that one of the existing trees near to the works area was not fencing off properly. The Contractor shall provide protective measures to prevent tree damage during construction.



Observation 2:

It is observed that one of the Aquilaria sinensis (土 沉香) (Tree No. 480A) is not properly fenced off and protected.

According to the Project Profile, each individual of Aquilaria sinensis and Pavetta hongkongensis (香港大沙葉) within the works area of the Project shall be retained in-situ, tagged and fenced off either in groups or individually to prevent being damaged/disturbed during construction.

The Contractor shall provide all required protected measures to all *Aquilaria sinensis and Pavetta hongkongensis* (香港大沙葉) and retained in-situ.



Checklist Number: GE/2013/16_No. 8



Observation 3:

Temporary access was formed for material and equipment transportation. It was noted that the temporary access was outside the works area. The Contractor will assist to rectify and carry out remediation work subject to agreement with CEDD and the Engineer.

Reminder:

Induction training shall be provided to all site personnel (both supervision staff and workers) in order to brief them on tree preservation including the locations of the *Aquilaria sinensis* and *Pavetta hongkongensis* individuals and their importance.

The resident site supervisory staff will closely monitor the conditions of the *Aquilaria sinensis* and *Pavetta hongkongensis* individuals during the construction phase.