Report No. 138 Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange Inspection Date: 4th June 2008 Inspected By: Keith Chau 14:30 Time: Weather Condition: Overcast Participants: Contractor -Mr Lee; ER - Mr Leung; IEC - Zoe Chan A General N/A or not Yes No Remarks / Photo observed A1 Is the Environmental Permit displayed at the entrances / exits? $\overline{\mathsf{V}}$ В Air Quality N/A or not Yes No Remarks / Photo observed **B1** Is open burning avoided? **B2** Are completed earthworks sealed as soon as practicable? **B3** Are vehicles and equipment switched off while not in use? **B4** Are plant and equipment well maintained? (i.e. without black smoke from powered plant) **B5** Any remedial action undertaken? **B6** Observable dust source(s): Wind erosion Loading/unloading of materials Vehicle/ Equipment Movements Others: B7 Are unpaved areas watered regularly to avoid dust generation? **B8** Are dusty material covered or regularly watered? В9 Are dusty materials sprayed prior to loading? Odorous materials immediately covered and promptly removed? B10 **B11** Is generation of dust avoided during loading / unloading? B12 Are loaded dump trucks covered appropriately? **B13** Are wheel washing facilities provided at all site exits? l√ **B14** Are there enclosures around the main dust-generating activities? C Noise N/A or not Yes No Remarks / Photo observed C1 Are all plant and equipment well maintained and in good $| \checkmark |$ operating condition? C2 Is idle equipment turned off or throttled down? C3 Are powered mechanical equipment covered or shielded by acoustic materials? C4 Are silenced equipment used where practicable? C5 Are noise barriers provided to protect Kwu Tung Road NSRs? C6 Do air compressors have valid noise labels? C7 Do compressors operate with doors closed? Major noise source(s): √ Traffic **C8** Construction activities inside of site Construction activities outside of site Others:

D	Water Quality	N/A or not observed	Yes	No	Remarks / Photo
D1	Is drainage system adequate?	Observed	\checkmark		
	Are there temporary ditches for runoff discharge into appropriate:		_		
D2	Watercourse?		$\overline{\square}$		
D3	With silt retention pond?		$\overline{\mathbf{A}}$		
D4	Do permanent drainage channels have: Sediment basin?	$\overline{\checkmark}$			
D5	Traps and baffles?		$\overline{\mathbf{A}}$		
D6	Is groundwater pumped out discharged via sediment traps / tanks?	$\overline{\checkmark}$			
D7	Are there sediment tanks for settling runoff prior to disposal?		\checkmark		
D8	Constructed from pre-formed individual cells?		\checkmark		
D9	Adequate capacity?		\checkmark		_
D10	Free from silt and sediment?		$\overline{\checkmark}$		_
D11	Are there oil interceptors in drainage system?	\checkmark			
D12	Oil and grease removed regularly?				
D13	Bypass to prevent flushing during periods of heavy rain?	\checkmark			
D14	Is drainage system well maintained?		\checkmark		Notes 1 & 2
D15	Is exposed earth stabilized after earthworks have been completed	· 🗆	\checkmark		
D16	Are exposed slope surfaces covered (by tarpaulin or other means)	?	$\overline{\mathbf{V}}$		
D17	Are open stockpiles of more than 50 m³ covered during rainstorm?		\overline{V}		
D18	Are manholes covered and sealed?		V		
D19	Toilet that connects to foul sewer or chemical toilets provided?		$\overline{\checkmark}$		
D20	Is debris and rubbish on site collected and disposed of properly?			\overline{V}	Notes 1 & 2
D21	Is wastewater discharge license available for inspection?		\overline{V}		
D22	Measures to prevent the washing away of sand/silt to drains?		\checkmark		
	Rainy Season				
D23	Sediment control measures inspected and maintained after rainstorms?			$\overline{\mathbf{V}}$	Note 2
D24	Is there any sediment plume observed in nearby watercourses?			\checkmark	
E	Waste / Chemical Management	N/A or not observed	Yes	No	Remarks / Photo
E1	General Refuse Accumulation avoided?				
			V		
E2	Receptacles (e.g. rubbish bins) available?				
E3	Disposed of regularly and properly?		\checkmark	Ш	
E4	Chemical Waste / Waste Oil Stored properly in designated area?	П	abla		
E5	Labelled properly?		✓		
E6	Disposed of properly?				
E7	Trip tickets available for inspection?				

						Report No. 138
E	Waste / Chemical Management	N/A or no observed		Yes	No	Remarks / Photo
	Chemical / Fuel Storage Area					
E8	Is storage area bunded?			\checkmark		
E9	Adequate bund capacity? (>110% of the largest tank)			$\overline{\mathbf{V}}$		
E10	Are storage areas provided with locks and located on sealed areas	?		\checkmark		
	Construction Waste					
E11	Reused where practicable?					
E12	Disposed of properly?			\checkmark		
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?			\checkmark		
E14	Trip tickets available for inspection?			\checkmark		
	Excavated Materials	_	_	_	_	
E15	Appears uncontaminated? (colour, odour)	L		\checkmark	\square	
E16	If suspected contaminated, appropriate procedures followed?	<u> </u>				
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavaled materials available for inspection?			\checkmark		
F	Environmental Complaint					Remarks
F1	Number of environmental complaint received from 22/5/2008	to 4	4/6/2	<u>800</u>	0	
G	General Housekeeping	N/A or no		Yes	No	Remarks / Photo
G1	Are potential stagnant pools cleared and mosquilo breeding prevented?				\checkmark	Note 3
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?			\checkmark		
Н	Landscape and Visual	N/A or no		Yes	No	Remarks / Photo
H1	Are retained trees protected by fencing?			\checkmark		
H2	Is the work site confined within site boundaries?			\checkmark		
НЗ	Is damage to surrounding areas avoided?			\checkmark		
1	Land Contamination	N/A or no		Yes	No	Remarks / Photo
l1	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?		<u></u>			
12	Is the contaminated soil segregated from the uncontaminated soil?	· [\checkmark			
13	Are the stockpiles of contaminated soil covered appropriately?	5	√			

Notes / Issues Recorded On Site:

- 1. Waste timber board and rubbish were found in the sand trap near the West Abutment works area.
- Sands and silts were accumulated in the U-channels near San Tin Highway Works Area and near the road island rounded by Roads D200, D100 and G100.
- Stagnant water in the broken water-filled barrier near N1 Open Laydown Area was observed.

Corrective Actions - Mitigation Measures Implemented or Proposed (if any):

- The contractor has arranged workers to remove the rubbish and timber board after the site inspection. They are reminded to collect and dispose of C&D waste properly.
- 2. The contractor was reminded to remove the deposited sands and silts in the U-channel regularly to prevent blockage.
- 3. The stagnant water in broken water-filled barrier was removed immediately. The contractor was strongly reminded to clear any stagnant water pools on site promptly. Broken water-filled barrier should be replaced.

Inspected by:	Chau Tsz Wing	Title:	ET – Assistant Environmental Consultant
Signature:	Kotth	Date:	10 th June 2008
Reviewed and approved by:	Susana Bezy	Title:	Environmental Team Leader
Signature:		Date:	10 ^լ June 2008

Site: C	ontract No. H	1Y/2004/09 - Impro	vements to San Tin	Interchange					Report No. 139
Inspection Date:		20th June 2008		Inspected By	y:	Ke	eith Chau	<u></u>	
Time:		14:15		Weather Cor	ndition:	St	ınny		
Partici	pants:	Contractor – Ming	; ER – Mr Leung ;						
Α	General	-			N/A or no		Yes	No	Remarks / Photo
A1	Is the Enviro	onmental Permit dis	played at the entran	ces / exits?			\checkmark		
В	Air Quality				N/A or no		Yes	No	Remarks / Photo
B1	ls open burr	ning avoided?					\checkmark		
B2	Are complet	ed earthworks seal	ed as soon as practi	cable?			\checkmark		
В3	Are vehicles	and equipment sw	itched off while not i	n use?			\checkmark		-
B4		d equipment well n powered plant)	naintained? (i.e. with	out black			\checkmark		
85	Any remedia	al action undertake	ነ?						-
B6	Observable	dust source(s):	Wind erosion				Loading	/ unloa	ding of materials
			✓ Vehicle/ Equip	oment Moveme	ents [Others:		
B7	Are unpave	d areas watered re	gularly to avoid dust	generation?			\checkmark		
B8	Are dusty m	aterial covered or r	egularly watered?				\checkmark		
В9	Are dusty m	aterials sprayed pr	ior to loading?				\checkmark		
B10	Odorous ma	aterials immediately	covered and promp	tly removed?	[\checkmark			
B11	ls generatio	n of dust avoided d	uring loading / unloa	iding?			\checkmark		
B12	Are loaded	dump trucks covere	ed appropriately?				\checkmark		
B13	Are wheel w	ashing facilities pre	ovided at all site exit	s?			$\overline{\mathbf{A}}$		
B14	Are there er	nclosures around th	e main dust-genera	ting activities?					
С	Noise				N/A or no		Yes	No	Remarks / Photo
C1	Are all plant operating or		ell maintained and in	good					
C2	ls idle equip	ment turned off or	throttled down?				\checkmark		
C3	Are powere acoustic ma		ment covered or shi	elded by		$ \sqrt{} $			
C4	Are silence	d equipment used v	vhere practicable?				\checkmark		-
C5	Are noise b	arriers provided to	protect Kwu Tung Ro	oad NSRs?	E	\checkmark			
C6	Do air comp	oressors have valid	noise labels?		[\checkmark			_
C7	Do compres	ssors operate with	doors closed?		E	\checkmark			
C8	Major noise	source(s):	Traffic						
			Construction ac	tivities inside o	of site				
			Construction ac	clivities outside	of site				
			Others:						

D	Water Quality	N/A or not observed	Yes	No	Remarks / Photo
D1	Is drainage system adequate?		\checkmark		
	Are there temporary ditches for runoff discharge into appropriate:			_	
D2	Watercourse?		$\overline{\mathbf{A}}$		
D3	With silt retention pond?		\checkmark		· · · · · · · · · · · · · · · · · · ·
D4	Do permanent drainage channels have: Sediment basin?				
D5	Traps and baffles?		\checkmark		
D6	Is groundwater pumped out discharged via sediment traps / tanks?	? 			
D7	Are there sediment tanks for settling runoff prior to disposal?		\checkmark		
D8	Constructed from pre-formed individual cells?		\checkmark		
D9	Adequate capacity?		\checkmark		
D10	Free from silt and sediment?		\checkmark		
D11	Are there oil interceptors in drainage system?	\checkmark			
D12	Oil and grease removed regularly?	\checkmark			
D13	Bypass to prevent flushing during periods of heavy rain?	\checkmark			
D14	Is drainage system well maintained?		\checkmark		Note 1
D15	Is exposed earth stabilized after earthworks have been completed	?	$\overline{\mathbf{V}}$		
D16	Are exposed slope surfaces covered (by tarpaulin or other means)	?	$\overline{\mathbf{V}}$		
D17	Are open stockpiles of more than 50 m³ covered during rainstorm?	· _	$\overline{\mathbf{A}}$		
D18	Are manholes covered and sealed?		$\overline{\checkmark}$		
D19	Toilet that connects to foul sewer or chemical toilets provided?				
D20	Is debris and rubbish on site collected and disposed of properly?		$\overline{\checkmark}$		
D21	Is wastewater discharge license available for inspection?		$\overline{\checkmark}$		
D22	Measures to prevent the washing away of sand/silt to drains?				
	Rainy Season				
D23	Sediment control measures inspected and maintained after rainstorms?				
D24	Is there any sediment plume observed in nearby watercourses?			\checkmark	
E	Waste / Chemical Management	N/A or not observed	Yes	No	Remarks / Photo
E1	General Refuse Accumulation avoided?		1771		
E2	Receptacles (e.g. rubbish bins) available?				
E3	Disposed of regularly and properly?	لہا	$ \checkmark $		
E4	Chemical Waste / Waste Oil Stored properly in designated area?		V		
E5	Labelled properly?		▼		
E6	Disposed of properly?		✓		
E7	Trip tickets available for inspection?		[∑]		
	ттр волого атапавто тот пторооцогт:		V		

E	Waste / Chemical Management	N/A or not observed	Yes	No	Remarks / Photo
	Chemical / Fuel Storage Area				
E8	is storage area bunded?		\checkmark		
E9	Adequate bund capacity? (>110% of the largest tank)		\checkmark		
E10	Are storage areas provided with locks and located on sealed areas	?	\checkmark		
	Construction Waste				
E11	Reused where practicable?		\checkmark		
E12	Disposed of property?		\checkmark		
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?				
E14	Trip tickets available for inspection?		\checkmark		
	Excavated Materials				
E15	Appears uncontaminated? (colour, odour)		\checkmark		
E16	If suspected contaminated, appropriate procedures followed?	\checkmark			
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavated materials available for inspection?		\checkmark		
F	Environmental Complaint				Remarks
F1	Number of environmental complaint received from <u>5/6/2008</u>	to <u>20/6</u>	<u>/2008</u>	0	
G	General Housekeeping	N/A or not observed	Yes	No	Remarks / Photo
G1	Are potential stagnant pools cleared and mosquito breeding prevented?			\checkmark	Note 2
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?		\checkmark		
Н	Landscape and Visual	N/A or not observed	Yes	No	Remarks / Photo
H1	Are retained trees protected by fencing?		\overline{V}		
H2	Is the work site confined within site boundaries?		$\overline{\checkmark}$		
НЗ	Is damage to surrounding areas avoided?		\checkmark		
ı	Land Contamination	N/A or not observed	Yes	No	Remarks / Photo
11	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	\checkmark			
12	Is the contaminated soil segregated from the uncontaminated soil?				.
13	Are the stockpiles of contaminated soil covered appropriately?				

Notes / Issues Recorded On Site:

- 1. Sands and silts were accumulated in the U-channels near San Tin Highway Works Area due to the recent rainstorm.
- 2. Stagnant water pool was seen in the planting area near the West Abulment.

Corrective Actions - Mitigation Measures Implemented or Proposed (if any):

- The Contractor has arranged to remove the deposited sands and silts in the U-channel after the site inspection.
- 2. The Contractor was reminded to clear any stagnant water pools on site promptly, especially after rainstorm events.

Inspected by:	Chau Tsz Wing	Title: _	ET – Assistant Environmental Consultant
Signature:	Jan Chan	Dale: _	23 rd June 2008
Reviewed and approved by:	Susana Bezy	Title: _	Environmental Team Leader
Signature:		Date: _	23 rd June 2008