Report No. 136 Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange								
Inspection Date:		7th May 2008	violito to Gall IIII (	Inspected By:		Keith Cha	U	
Time:		10:15		Weather Con	_	Sunny		<del></del>
Participants: Contractor		Contractor - Min	g; ER – Mr Leung		_			
A	General	·			N/A or not	Yes	No	Remarks / Photo
A1	Is the Enviro	onmental Permit di	splayed at the entran	ces / exits?	observed			
В	Air Quality				N/A or not	Yes	No	Remarks / Photo
B1	ls open burn	ning avoided?						
B2	Are complet	ed earthworks sea	led as soon as practi	cable?				
ВЗ	Are vehicles	and equipment sv	vitched off while not i	n use?				
B4		d equipment well r powered plant)	maintained? (i.e. with	out black				
B5		al action undertake	n?		V	1 🗆		
В6	Observable	dust source(s):	Wind erosion			 ] Loading	/ unloa	ding of materials
			Vehicle/ Equip	ment Moveme	ents	Others:		
В7	Are unpaved	d areas watered re	gularly to avoid dust	generation?				
B8	Are dusty m	aterial covered or	regularly watered?					
B9	Are dusty m	alerials sprayed p	rior to loading?					
B10	Odorous ma	iterials immediatel	y covered and promp	tly removed?	V			
B11	ls generation	n of dust avoided o	during loading / unloa	ding?				
B12	Are loaded	dump trucks cover	ed appropriately?					
B13	Are wheel w	rashing facilities pr	ovided at all site exits	s?				
B14	Are there er	nclosures around t	he main dust-generat	ing activities?	V			
С	Noise				N/A or no observed		No	Remarks / Photo
C1	Are all plant operating co		ell maintained and in	good				
C2	Is idle equip	ment turned off or	throttled down?					
C3	Are powered acoustic ma		pment covered or shi	elded by	V			
C4	Are silenced	d equipment used	where practicable?					
C5	Are noise ba	arriers provided to	protect Kwu Tung Ro	oad NSRs?	V			
C6	Do air comp	ressors have valid	I noise labels?		V			
C7	Do compres	sors operate with	doors closed?		V			
C8	Major noise	source(s):	✓Traffic					
			Construction ac	tivities inside o	f site			
			Construction ac	tivities 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?		$\overline{\mathbf{V}}$		
D3	With silt retention pond?		$\overline{\mathbf{A}}$		
D4	Do permanent drainage channels have: Sediment basin?	$\checkmark$			
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?				
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?		$\checkmark$		
D15	Is exposed earth stabilized after earthworks have been completed	?	$\checkmark$		
D16	Are exposed slope surfaces covered (by tarpaulin or other means)	?	$\checkmark$		
D17	Are open stockpiles of more than 50 m³ covered during rainstorm?		$\checkmark$		
D18	Are manholes covered and sealed?		$\checkmark$		
D19	Toilet that connects to foul sewer or chemical toilets provided?		$\checkmark$		
D20	Is debris and rubbish on site collected and disposed of properly?		$\checkmark$		Note 1
D21	Is wastewater discharge license available for inspection?		$\checkmark$		
D22	Measures to prevent the washing away of sand/silt to drains?		$\checkmark$		
	Rainy Season				
D23	Sediment control measures inspected and maintained after rainstorms?		$\checkmark$		
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?				
E2	Receptacles (e.g. rubbish bins) available?				
E3	Disposed of regularly and properly?				
LU		Ш	$\checkmark$	Ш	
E4	Chemical Waste / Waste Oil Stored properly in designated area?			П	
E5	Labelled properly?		<b>√</b>		
E6	Disposed of properly?		<u> </u>		
E7	Trip lickets available for inspection?		<b>1</b>		

E	Waste / Chemical Management	N/A or not	Yes	No	Report No. 136 Remarks / Photo
	-	observed			
E8	Chemical / Fuel Storage Area Is storage area bunded?		ו ר		
	·				
E9	Adequate bund capacity? (>110% of the largest tank)				
E10	Are storage areas provided with locks and located on sealed areas	?			
	Construction Waste				
E11	Reused where practicable?				
E12	Disposed of properly?				
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?				
E14	Trip tickets available for inspection?				
E45	Excavated Materials		. —		
E15	Appears uncontaminated? (colour, odour)	L			
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?				
F	Environmental Complaint				Remarks
F1	Number of environmental complaint received from 24/4/2008	to <u>7/</u>	5/2008	0	
G	General Housekeeping	N/A or not observed	Yes	No	Remarks / Photo
G1	Are potential stagnant pools cleared and mosquito breeding prevented?				
G2	Are defined boundaries of working areas identified to prevent loss of vegelation?				
Н	Landscape and Visual	N/A or not	Yes	No	Remarks / Photo
H1	Are retained trees protected by fencing?				
H2	Is the work sile confined within site boundaries?				
НЗ	Is damage to surrounding areas avoided?				
1	Land Contamination	N/A or no	Yes	No	Remarks / Photo
11	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	V			
12	Is the contaminated soil segregated from the uncontaminated soil?	· _	1 🗆		
13	Are the stockpiles of contaminated soil covered appropriately?	<b>✓</b>			

## Notes / Issues Recorded On Site:

l. Sands and rubbish were accumulated in the U-channel in the works area of N1 Division near site office.

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

The contractor was reminded to remove the sands and rubbish regularly and keep drainage system free of debris.

Inspected by:

Chau Tsz Wing

Title: ET – Assistant Environmental Consultant

Date: 14th May 2008

Reviewed and approved by: Susana Bezy

Title: Environmental Team Leader

Signature: Date: 14th May 2008

Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange							, inspection to		
Inspection Date:		21st May 2008		Inspected B	y:	K	eith Cha	U	
Time:		14:50		Weather Co	ndition:	S	unny		
Partic	ipants:	Contractor – Mi	ng ; ER – Mr Leu	ing ; IEC – Zoe Cha	in				
Α	General				N/A or r		Yes	No	Remarks / Photo
A1	Is the Enviro	onmental Permit d	lisplayed at the e	entrances / exits?			$\checkmark$		_
В	Air Quality				N/A or i		Yes	No	Remarks / Photo
B1	Is open bur	ning avoided?							
B2	Are comple	ted earthworks se	aled as soon as	practicable?			$\checkmark$		
B3	Are vehicles	and equipment s	witched off while	e nol in use?			$\checkmark$		
B4		nd equipment well powered plant)	maintained? (i.e	e. without black			$\checkmark$		
B5		al action undertak	en?		1				
B6	Observable	dust source(s):	Wind erd	osion			Loading	g/ unloa	ding of materials
			✓ Vehicle/	Equipment Movem	ents		Others:		
B7	Are unpave	d areas watered r	egularly to avoid	dust generation?			$\checkmark$		
B8	Are dusty m	naterial covered or	regularly watere	ed?			$\checkmark$		
B9	Are dusly m	naterials sprayed (	orior to loading?				$\checkmark$		
B10	Odorous m	aterials immediate	ely covered and p	promptly removed?					
B11	is generation	n of dust avoided	during loading /	unloading?			$\checkmark$		
B12	Are loaded	dump trucks cove	red appropriatel	y?					
B13	Are wheel v	vashing facilities p	provided at all sit	e exils?			$\checkmark$		
B14	Are there e	nclosures around	the main dust-ge	enerating activities?					
С	Noise				N/A or observ		Yes	No	Remarks / Photo
C1	Are all plan operating c	t and equipment vondition?	vell maintained a	and in good			$\checkmark$		
C2	Is idle equip	oment turned off o	r throttled down'	?			$\checkmark$		
C3	Are powere	d mechanical equaterials?	ipment covered	or shielded by		V			
C4	Are silence	d equipment used	l where practicat	ole?			$\checkmark$		
C5	Are noise b	arriers provided to	o protect Kwu Tu	ing Road NSRs?					
C6	Do air com	pressors have val	id noise labels?						
C7	Do compre	ssors operate with	n doors closed?						
C8	Major noise	e source(s):	Traffic						
			Construct	ion activities inside	of site				
			Construct	ion activities outside	e 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?		$\overline{\square}$		
D3	With silt retention pond?		$\overline{A}$		
D4	Do permanent drainage channels have: Sediment basin?	$\overline{\mathbf{A}}$		Ш	
D5	Traps and baffles?		$\overline{\mathbf{A}}$		
D6	Is groundwater pumped out discharged via sediment traps / tanks?				
D7	Are there sediment tanks for settling runoff prior to disposal?				Note 1
D8	Constructed from pre-formed individual cells?		$\overline{\checkmark}$		
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?		V		Note 2
D15	Is exposed earth stabilized after earthworks have been completed	?	$\checkmark$		
D16	Are exposed slope surfaces covered (by tarpaulin or other means)	?	$\checkmark$		
D17	Are open stockpiles of more than 50 m³ covered during rainstorm?		$\checkmark$		
D18	Are manholes covered and sealed?		$\checkmark$		
D19	Toilet that connects to foul sewer or chemical toilets provided?		$\checkmark$		
D20	Is debris and rubbish on site collected and disposed of properly?		$\checkmark$		Note 3
D21	Is wastewater discharge license available for inspection?		$\checkmark$		
D22	Measures to prevent the washing away of sand/silt to drains?		$\checkmark$		
	Rainy Season				
D23	Sediment control measures inspected and maintained after rainstorms?		$\overline{\checkmark}$		
D24	Is there any sediment plume observed in nearby watercourses?			$\checkmark$	
E	Waste / Chemical Management	N/A or not observed	Yes	No	Remarks / Photo
	General Refuse	_			
E1	Accumulation avoided?		$\overline{\mathbf{A}}$		
E2	Receptacles (e.g. rubbish bins) available?		$\overline{\wedge}$		
E3	Disposed of regularly and properly?			$\checkmark$	Note 3
E4	Chemical Waste / Waste Oil Stored properly in designated area?		$\checkmark$		
E5	Labelled properly?		$\overline{\checkmark}$		
E6	Disposed of properly?		$\overline{\checkmark}$		
E7	Trip tickets available for inspection?		$\overline{\checkmark}$		

E	Waste / Chemical Management	N/A or		Yes	No	Remarks / Photo
E8	<u>Chemical / Fuel Storage Area</u> Is storage area bunded?			<b>V</b>		
<b>E</b> 9	Adequate bund capacity? (>110% of the largest tank)			$\checkmark$		
E10	Are storage areas provided with locks and located on sealed areas	?				
E11	Construction Wasle Reused where practicable?			$\checkmark$		
E12	Disposed of properly?			$   \sqrt{} $		
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?			$\checkmark$		
E14	Trip tickets available for inspection?			$\checkmark$		
E15	Excavated Materials Appears uncontaminated? (colour, odour)			$\checkmark$		
E16	If suspected contaminated, appropriate procedures followed?					
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 8/5/2008	to	<u>21/5/</u>	2008	0	
G	General Housekeeping	N/A o obse		Yes	No	Remarks / Photo
G1	Are potential stagnant pools cleared and mosquito breeding prevented?				$\checkmark$	Note 4
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?			$\checkmark$		
Н	Landscape and Visual	N/A o		Yes	No	Remarks / Photo
H1	Are retained trees protected by fencing?			$\checkmark$		
H2	Is the work site confined within site boundaries?					
НЗ	Is damage to surrounding areas avoided?			$\checkmark$		
I	Land Contamination	N/A o	r not rved	Yes	No	Remarks / Photo
l1	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	?	$\checkmark$			
13	Are the stockpiles of contaminated soil covered appropriately?		<b>V</b>			

## Notes / Issues Recorded On Site:

- 1. Site runoff was seen to have flowed in to the U-channel in the works area near the West Abutment without passing via sedimentation facility.
- 2. Sands and silts have been accumulated in the U-channel at the San Tin Highway works area and works area next to the West Abulment.
- 3. Rubbish was seen to have been accumulated at the road side near the N1 Open Laydown Area.
- 4. Stagnant water pools were seen at different location within the site (works area of Slip Road A, works area next to the West Abutment, Castle Peak Road works area, U-channel in Tun Yu Road and sand trap in San Tin Highway).

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

- The contractor was reminded to stop the site runoff flowing in to the U-channel directly and sand bags should be provided to
  divert the silly runoff to sedimentation facility prior to discharge to the site drainage system. The contractor was seen to
  prepare the sand bags immediately.
- 2. Sand and silts deposited in the U-channel should be cleared regularly as proper maintenance of the site drainage system.
- 3. The contractor was reminded to clean the rubbish regularly and keep the site (idy.
- 4. Stagnant water pools should be cleared promptly, especially after rainstorm event, to prevent the mosquito breeding.

Inspected by:	Chau Tsz Wing	Title:	ET – Assistant Environmental Consultant
Signature:	Koth	Date:	23 <sup>rd</sup> May 2008
Reviewed and approved by:	Susana Bezy	Title:	Environmental Team Leader
Signature:		Date:	26 <sup>th</sup> May 2008