

Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange

Inspection Date: 3rd May 2007

Inspected By: K. L. Cheung, Howard Chan

Time: 14:30

Weather Condition: Sunny

A	General	N/A or not observed	Yes	No	Remarks / Photo
A1	Is the Environmental Permit displayed at the entrances / exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>B</b>	<b>Air Quality</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
B1	Is open burning avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B2	Are completed earthworks sealed as soon as practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B3	Are vehicles and equipment switched off while not in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B4	Are plant and equipment well maintained? (i.e. without black smoke from powered plant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B5	Any remedial action undertaken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B6	Observable dust source(s): <input type="checkbox"/> Wind erosion	<input type="checkbox"/>	<input type="checkbox"/> Loading/ unloading of materials		
	<input checked="" type="checkbox"/> Vehicle/ Equipment Movements	<input type="checkbox"/>	<input type="checkbox"/> Others:		
B7	Are unpaved areas watered regularly to avoid dust generation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B8	Are dusty material covered or regularly watered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B9	Are dusty materials sprayed prior to loading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B10	Odorous materials immediately covered and promptly removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B11	Is generation of dust avoided during loading / unloading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B12	Are loaded dump trucks covered appropriately?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B13	Are wheel washing facilities provided at all site exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B14	Are there enclosures around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C</b>	<b>Noise</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
C1	Are all plant and equipment well maintained and in good operating condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C2	Is idle equipment turned off or throttled down?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C3	Are powered mechanical equipment covered or shielded by acoustic materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C4	Are silenced equipment used where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C5	Are noise barriers provided to protect Kwu Tung Road NSRs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Percussive piling in the South Division is completed.
C6	Do air compressors have valid noise labels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C7	Do compressors operate with doors closed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C8	Major noise source(s): <input checked="" type="checkbox"/> Traffic				
	<input checked="" type="checkbox"/> Construction activities inside of site				
	<input type="checkbox"/> Construction activities outside of site				
	<input type="checkbox"/> Others:				

<b>D Water Quality</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
D1	Is drainage system adequate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D2	Are there temporary ditches for runoff discharge into appropriate: Watercourse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D3	With silt retention pond?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D4	Do permanent drainage channels have: Sediment basin?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D5	Traps and baffles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D6	Is groundwater pumped out discharged via sediment traps / tanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D7	Are there sediment tanks for settling runoff prior to disposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D8	Constructed from pre-formed individual cells?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D9	Adequate capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D10	Free from silt and sediment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D11	Are there oil interceptors in drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D12	Oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D13	Bypass to prevent flushing during periods of heavy rain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D14	Is drainage system well maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D15	Is exposed earth stabilized after earthworks have been completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D16	Are exposed slope surfaces covered (by tarpaulin or other means)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D17	Are open stockpiles of more than 50 m <sup>3</sup> covered during rainstorm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D18	Are manholes covered and sealed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D19	Toilet that connects to foul sewer or chemical toilets provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D20	Is debris and rubbish on site collected and disposed of properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Notes No. 1 & 2.
D21	Is wastewater discharge license available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D22	Measures to prevent the washing away of sand/silt to drains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Rainy Season</u>					
D23	Sediment control measures inspected and maintained after rainstorms?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D24	Is there any sediment plume observed in nearby watercourses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>General Refuse</u>					
E1	Accumulation avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Notes No. 1 & 2
E2	Receptacles (e.g. rubbish bins) available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Refer to Note No. 2
E3	Disposed of regularly and properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Chemical Waste / Waste Oil</u>					
E4	Stored properly in designated area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E5	Labelled properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E6	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E7	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>Chemical / Fuel Storage Area</u>					
E8	Is storage area bunded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E9	Adequate bund capacity? (>110% of the largest tank)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E10	Are storage areas provided with locks and located on sealed areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Construction Waste</u>					
E11	Reused where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	For temporary access road paving.
E12	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stockpiles at N1 storage area are used as backfill material.
E14	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Excavated Materials</u>					
E15	Appears uncontaminated? (colour, odour)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E16	If suspected contaminated, appropriate procedures followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavated materials available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>F Environmental Complaint</b>					<b>Remarks</b>
F1	Number of environmental complaint received from	<u>27/4/2007</u>	to	<u>3/5/2007</u>	0
<hr/>					
<b>G General Housekeeping</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
G1	Are potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No. 2
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<hr/>					
<b>H Landscape and Visual</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
H1	Are retained trees protected by fencing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H2	Is the work site confined within site boundaries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H3	Is damage to surrounding areas avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<hr/>					
<b>I Land Contamination</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
I1	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I2	Is the contaminated soil segregated from the uncontaminated soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I3	Are the stockpiles of contaminated soil covered appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Notes / Issues Recorded On Site:**

1. Litter (plastic bottles) was observed to have been accumulated inside the transplantation nursery area near site office in N1 Division.
2. Stagnant water pool with litter (plastic bottles) was observed to have been accumulated inside a temporary trench beside pier F3 retaining wall works area in N2 Division. Further to discussion with the Contractor and the Resident Engineer, the cause was likely due to littering by pedestrians.

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

1. General refuse should be collected and disposed of properly. Rubbish collection bins should be provided at the transplantation nursery area. Training on waste management on site should be given to workers.
2. Stagnant water pool should be cleaned up promptly to avoid mosquito breeding. General refuse should be collected and disposed of properly. Rubbish collection bins should be provided for the pedestrians to avoid littering into the temporary trench.

Inspected by: K. L. Cheung

Title: Environmental Team

Signature: 

Date: 4<sup>th</sup> May 2007

Representative of Contractor: Jeffrey Tang

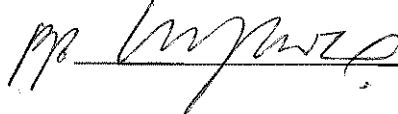
Title: Environmental Engineer

Signature: 

Date: 7-5-07

Reviewed and approved by: Susana Bezy

Title: Environmental Team Leader

Signature: 

Date: 7/5/07

Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange

Inspection Date: 10<sup>th</sup> May 2007

Inspected By: K. L. Cheung

Time: 14:30

Weather Condition: Sunny

A	General	N/A or not observed	Yes	No	Remarks / Photo
A1	Is the Environmental Permit displayed at the entrances / exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>B</b>	<b>Air Quality</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
B1	Is open burning avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B2	Are completed earthworks sealed as soon as practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B3	Are vehicles and equipment switched off while not in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B4	Are plant and equipment well maintained? (i.e. without black smoke from powered plant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B5	Any remedial action undertaken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B6	Observable dust source(s): <input type="checkbox"/> Wind erosion <input checked="" type="checkbox"/> Vehicle/ Equipment Movements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Loading/ unloading of materials Others:
B7	Are unpaved areas watered regularly to avoid dust generation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B8	Are dusty material covered or regularly watered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B9	Are dusty materials sprayed prior to loading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B10	Odorous materials immediately covered and promptly removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B11	Is generation of dust avoided during loading / unloading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B12	Are loaded dump trucks covered appropriately?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B13	Are wheel washing facilities provided at all site exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B14	Are there enclosures around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C</b>	<b>Noise</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
C1	Are all plant and equipment well maintained and in good operating condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C2	Is idle equipment turned off or throttled down?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C3	Are powered mechanical equipment covered or shielded by acoustic materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C4	Are silenced equipment used where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C5	Are noise barriers provided to protect Kwu Tung Road NSRs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Percussive piling in the South Division is completed.
C6	Do air compressors have valid noise labels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C7	Do compressors operate with doors closed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C8	Major noise source(s): <input checked="" type="checkbox"/> Traffic <input checked="" type="checkbox"/> Construction activities inside of site <input type="checkbox"/> Construction activities outside of site <input type="checkbox"/> Others:				

<b>D Water Quality</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
D1	Is drainage system adequate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Are there temporary ditches for runoff discharge into appropriate:				
D2	Watercourse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D3	With silt retention pond?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D4	Do permanent drainage channels have: Sediment basin?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D5	Traps and baffles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D6	Is groundwater pumped out discharged via sediment traps / tanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D7	Are there sediment tanks for settling runoff prior to disposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D8	Constructed from pre-formed individual cells?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D9	Adequate capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D10	Free from silt and sediment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D11	Are there oil interceptors in drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D12	Oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D13	Bypass to prevent flushing during periods of heavy rain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D14	Is drainage system well maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D15	Is exposed earth stabilized after earthworks have been completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D16	Are exposed slope surfaces covered (by tarpaulin or other means)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D17	Are open stockpiles of more than 50 m <sup>3</sup> covered during rainstorm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D18	Are manholes covered and sealed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D19	Toilet that connects to foul sewer or chemical toilets provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D20	Is debris and rubbish on site collected and disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D21	Is wastewater discharge license available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D22	Measures to prevent the washing away of sand/silt to drains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<u>Rainy Season</u>				
D23	Sediment control measures inspected and maintained after rainstorms?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D24	Is there any sediment plume observed in nearby watercourses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
	<u>General Refuse</u>				
E1	Accumulation avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E2	Receptacles (e.g. rubbish bins) available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E3	Disposed of regularly and properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<u>Chemical Waste / Waste Oil</u>				
E4	Stored properly in designated area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E5	Labelled properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E6	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E7	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	




<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>Chemical / Fuel Storage Area</u>					
E8	Is storage area bunded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E9	Adequate bund capacity? (>110% of the largest tank)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E10	Are storage areas provided with locks and located on sealed areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Construction Waste</u>					
E11	Reused where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	For temporary access road paving.
E12	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stockpiles at N1 storage area are used as backfill material.
E14	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Excavated Materials</u>					
E15	Appears uncontaminated? (colour, odour)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E16	If suspected contaminated, appropriate procedures followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavated materials available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>F Environmental Complaint</b>					<b>Remarks</b>
F1	Number of environmental complaint received from	<u>4/5/2007</u>	to	<u>10/5/2007</u>	0
<b>G General Housekeeping</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
G1	Are potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>H Landscape and Visual</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
H1	Are retained trees protected by fencing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H2	Is the work site confined within site boundaries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H3	Is damage to surrounding areas avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>I Land Contamination</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
I1	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I2	Is the contaminated soil segregated from the uncontaminated soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I3	Are the stockpiles of contaminated soil covered appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Notes / Issues Recorded On Site:**

No specific environmental issues were recorded during the inspection.

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

Nil.

Inspected by:	<u>K. L. Cheung</u>	Title:	<u>Environmental Team</u>
Signature:	<u></u>	Date:	<u>11<sup>th</sup> May 2007</u>
Representative of Contractor:	<u>Jeffrey Tang</u>	Title:	<u>Environmental Engineer</u>
Signature:	<u></u>	Date:	<u>11-5-07</u>
Reviewed and approved by:	<u>Susana Bezy</u>	Title:	<u>Environmental Team Leader</u>
Signature:	<u></u>	Date:	<u>11/5/07</u>



Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange

Inspection Date: 18<sup>th</sup> May 2007

Inspected By: Howard Chan

Time: 10:00


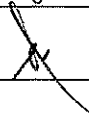

Weather Condition: Sunny

A	General	N/A or not observed	Yes	No	Remarks / Photo
A1	Is the Environmental Permit displayed at the entrances / exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B	Air Quality	N/A or not observed	Yes	No	Remarks / Photo
B1	Is open burning avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B2	Are completed earthworks sealed as soon as practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B3	Are vehicles and equipment switched off while not in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B4	Are plant and equipment well maintained? (i.e. without black smoke from powered plant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B5	Any remedial action undertaken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B6	Observable dust source(s):	<input type="checkbox"/> Wind erosion <input checked="" type="checkbox"/> Vehicle/ Equipment Movements <input type="checkbox"/> Loading/ unloading of materials <input type="checkbox"/> Others:			
B7	Are unpaved areas watered regularly to avoid dust generation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No. 1
B8	Are dusty material covered or regularly watered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Refer to Note No. 2
B9	Are dusty materials sprayed prior to loading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B10	Odorous materials immediately covered and promptly removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B11	Is generation of dust avoided during loading / unloading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B12	Are loaded dump trucks covered appropriately?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B13	Are wheel washing facilities provided at all site exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B14	Are there enclosures around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C	Noise	N/A or not observed	Yes	No	Remarks / Photo
C1	Are all plant and equipment well maintained and in good operating condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C2	Is idle equipment turned off or throttled down?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C3	Are powered mechanical equipment covered or shielded by acoustic materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C4	Are silenced equipment used where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C5	Are noise barriers provided to protect Kwu Tung Road NSRs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Percussive piling in the South Division is completed.
C6	Do air compressors have valid noise labels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C7	Do compressors operate with doors closed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C8	Major noise source(s):	<input checked="" type="checkbox"/> Traffic <input checked="" type="checkbox"/> Construction activities inside of site <input type="checkbox"/> Construction activities outside of site <input type="checkbox"/> Others:			

<b>D Water Quality</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
D1	Is drainage system adequate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D2	Are there temporary ditches for runoff discharge into appropriate: Watercourse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D3	With silt retention pond?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D4	Do permanent drainage channels have: Sediment basin?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D5	Traps and baffles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D6	Is groundwater pumped out discharged via sediment traps / tanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D7	Are there sediment tanks for settling runoff prior to disposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D8	Constructed from pre-formed individual cells?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D9	Adequate capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D10	Free from silt and sediment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D11	Are there oil interceptors in drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D12	Oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D13	Bypass to prevent flushing during periods of heavy rain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D14	Is drainage system well maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D15	Is exposed earth stabilized after earthworks have been completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D16	Are exposed slope surfaces covered (by tarpaulin or other means)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D17	Are open stockpiles of more than 50 m <sup>3</sup> covered during rainstorm?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No. 2
D18	Are manholes covered and sealed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D19	Toilet that connects to foul sewer or chemical toilets provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D20	Is debris and rubbish on site collected and disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D21	Is wastewater discharge license available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D22	Measures to prevent the washing away of sand/silt to drains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Rainy Season</u>					
D23	Sediment control measures inspected and maintained after rainstorms?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D24	Is there any sediment plume observed in nearby watercourses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>General Refuse</u>					
E1	Accumulation avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E2	Receptacles (e.g. rubbish bins) available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E3	Disposed of regularly and properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Chemical Waste / Waste Oil</u>					
E4	Stored properly in designated area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E5	Labelled properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E6	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E7	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>Chemical / Fuel Storage Area</u>					
E8	Is storage area bunded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E9	Adequate bund capacity? (>110% of the largest tank)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E10	Are storage areas provided with locks and located on sealed areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Construction Waste</u>					
E11	Reused where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	For temporary access road paving.
E12	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stockpiles at N1 storage area are used as backfill material.
E14	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Excavated Materials</u>					
E15	Appears uncontaminated? (colour, odour)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E16	If suspected contaminated, appropriate procedures followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavated materials available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>F Environmental Complaint</b>					<b>Remarks</b>
F1	Number of environmental complaint received from	<u>11/5/2007</u>	to	<u>18/5/2007</u>	0
<b>G General Housekeeping</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
G1	Are potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No. 3
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>H Landscape and Visual</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
H1	Are retained trees protected by fencing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H2	Is the work site confined within site boundaries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H3	Is damage to surrounding areas avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>I Land Contamination</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
I1	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I2	Is the contaminated soil segregated from the uncontaminated soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I3	Are the stockpiles of contaminated soil covered appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<b>Notes / Issues Recorded On Site:</b>	
1.	Unpaved haul road in Slip Road B works area near police observation platform in South Division appeared to be dry. Dust emission was observed.
2.	A stockpile of excavated soil near the site office was not covered by tarpaulin.
3.	Stagnant water pools were found to have been accumulated at several locations: in unused sedimentation basins in the Slip Road A works area in N1 Division; in the South Abutment works area in North Division; near work access in M2 works area; and inside Head Wall near Pier B6 in South Division.
<b>Corrective Actions – Mitigation Measures Implemented or Proposed (if any):</b>	
1.	The haul road was watered immediately. Haul road should be watered regularly to minimize dust emissions.
2.	Stockpile should be completely covered by tarpaulin in order to prevent dust emissions.
3.	Stagnant water pools should be cleared up promptly. The unused sedimentation basin should be placed up-side-down to prevent stagnant water accumulation.

Inspected by:	<u>Howard Chan</u>	Title:	<u>Environmental Team</u>
Signature:		Date:	<u>18<sup>th</sup> May 2007</u>
Representative of Contractor:	<u>Jeffrey Tang</u>	Title:	<u>Environmental Engineer</u>
Signature:		Date:	<u>19-5-07</u>
Reviewed and approved by:	<u>Susana Bezy</u>	Title:	<u>Environmental Team Leader</u>
Signature:		Date:	<u>19-5-07</u>

Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange

Inspection Date: 23<sup>rd</sup> May 2007

Inspected By: K. L. Cheung

Time: 14:30

Weather Condition: Sunny

A	General	N/A or not observed	Yes	No	Remarks / Photo
A1	Is the Environmental Permit displayed at the entrances / exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>B</b>	<b>Air Quality</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
B1	Is open burning avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B2	Are completed earthworks sealed as soon as practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B3	Are vehicles and equipment switched off while not in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B4	Are plant and equipment well maintained? (i.e. without black smoke from powered plant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B5	Any remedial action undertaken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B6	Observable dust source(s): <input type="checkbox"/> Wind erosion <input checked="" type="checkbox"/> Vehicle/ Equipment Movements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Loading/ unloading of materials Others:
B7	Are unpaved areas watered regularly to avoid dust generation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B8	Are dusty material covered or regularly watered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B9	Are dusty materials sprayed prior to loading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B10	Odorous materials immediately covered and promptly removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B11	Is generation of dust avoided during loading / unloading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B12	Are loaded dump trucks covered appropriately?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B13	Are wheel washing facilities provided at all site exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B14	Are there enclosures around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C</b>	<b>Noise</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
C1	Are all plant and equipment well maintained and in good operating condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C2	Is idle equipment turned off or throttled down?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C3	Are powered mechanical equipment covered or shielded by acoustic materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C4	Are silenced equipment used where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C5	Are noise barriers provided to protect Kwu Tung Road NSRs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Percussive piling in the South Division is completed.
C6	Do air compressors have valid noise labels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C7	Do compressors operate with doors closed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C8	Major noise source(s): <input checked="" type="checkbox"/> Traffic <input checked="" type="checkbox"/> Construction activities inside of site <input type="checkbox"/> Construction activities outside of site <input type="checkbox"/> Others:				

<b>D Water Quality</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
D1	Is drainage system adequate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D2	Are there temporary ditches for runoff discharge into appropriate: Watercourse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D3	With silt retention pond?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D4	Do permanent drainage channels have: Sediment basin?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D5	Traps and baffles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D6	Is groundwater pumped out discharged via sediment traps / tanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D7	Are there sediment tanks for settling runoff prior to disposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D8	Constructed from pre-formed individual cells?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D9	Adequate capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D10	Free from silt and sediment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D11	Are there oil interceptors in drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D12	Oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D13	Bypass to prevent flushing during periods of heavy rain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D14	Is drainage system well maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D15	Is exposed earth stabilized after earthworks have been completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D16	Are exposed slope surfaces covered (by tarpaulin or other means)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D17	Are open stockpiles of more than 50 m <sup>3</sup> covered during rainstorm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D18	Are manholes covered and sealed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D19	Toilet that connects to foul sewer or chemical toilets provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D20	Is debris and rubbish on site collected and disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D21	Is wastewater discharge license available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D22	Measures to prevent the washing away of sand/silt to drains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Rainy Season</u>					
D23	Sediment control measures inspected and maintained after rainstorms?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D24	Is there any sediment plume observed in nearby watercourses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>General Refuse</u>					
E1	Accumulation avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E2	Receptacles (e.g. rubbish bins) available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E3	Disposed of regularly and properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Chemical Waste / Waste Oil</u>					
E4	Stored properly in designated area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E5	Labelled properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E6	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E7	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



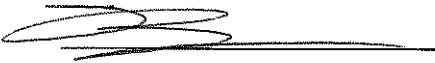
<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>Chemical / Fuel Storage Area</u>					
E8	Is storage area bunded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E9	Adequate bund capacity? (>110% of the largest tank)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E10	Are storage areas provided with locks and located on sealed areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Construction Waste</u>					
E11	Reused where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	For temporary access road paving.
E12	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stockpiles at N1 storage area are used as backfill material.
E14	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Excavated Materials</u>					
E15	Appears uncontaminated? (colour, odour)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E16	If suspected contaminated, appropriate procedures followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavated materials available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>F Environmental Complaint</b>					<b>Remarks</b>
F1	Number of environmental complaint received from	<u>19/5/2007</u>	to	<u>23/5/2007</u>	0
<hr/>					
<b>G General Housekeeping</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
G1	Are potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<hr/>					
<b>H Landscape and Visual</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
H1	Are retained trees protected by fencing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H2	Is the work site confined within site boundaries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H3	Is damage to surrounding areas avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<hr/>					
<b>I Land Contamination</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
I1	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I2	Is the contaminated soil segregated from the uncontaminated soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I3	Are the stockpiles of contaminated soil covered appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Notes / Issues Recorded On Site:**

No specific environmental issues were recorded during the inspection.

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

Nil.

Inspected by:	<u>K. L. Cheung</u>	Title:	<u>Environmental Team</u>
Signature:	<u></u>	Date:	<u>25<sup>th</sup> May 2007</u>
Representative of Contractor:	<u>Jeffrey Tang</u>	Title:	<u>Environmental Engineer</u>
Signature:	<u></u>	Date:	<u>28-5-07</u>
Reviewed and approved by:	<u>Susana Bezy</u>	Title:	<u>Environmental Team Leader</u>
Signature:	<u></u>	Date:	<u>28 MAY 2007</u>



Site: Contract No. HY/2004/09 - Improvements to San Tin Interchange

Inspection Date: 30<sup>th</sup> May 2007

Inspected By: Howard Chan

Time: 14:30

Weather Condition: Sunny

A	General	N/A or not observed	Yes	No	Remarks / Photo
A1	Is the Environmental Permit displayed at the entrances / exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>B</b>	<b>Air Quality</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
B1	Is open burning avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B2	Are completed earthworks sealed as soon as practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B3	Are vehicles and equipment switched off while not in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B4	Are plant and equipment well maintained? (i.e. without black smoke from powered plant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B5	Any remedial action undertaken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B6	Observable dust source(s): <input type="checkbox"/> Wind erosion <input checked="" type="checkbox"/> Vehicle/ Equipment Movements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Loading/ unloading of materials Others:
B7	Are unpaved areas watered regularly to avoid dust generation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B8	Are dusty material covered or regularly watered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B9	Are dusty materials sprayed prior to loading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B10	Odorous materials immediately covered and promptly removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B11	Is generation of dust avoided during loading / unloading?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B12	Are loaded dump trucks covered appropriately?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B13	Are wheel washing facilities provided at all site exits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
B14	Are there enclosures around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C</b>	<b>Noise</b>	<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
C1	Are all plant and equipment well maintained and in good operating condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C2	Is idle equipment turned off or throttled down?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C3	Are powered mechanical equipment covered or shielded by acoustic materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C4	Are silenced equipment used where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C5	Are noise barriers provided to protect Kwu Tung Road NSRs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Percussive piling in the South Division is completed.
C6	Do air compressors have valid noise labels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
C7	Do compressors operate with doors closed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C8	Major noise source(s): <input checked="" type="checkbox"/> Traffic <input checked="" type="checkbox"/> Construction activities inside of site <input type="checkbox"/> Construction activities outside of site <input type="checkbox"/> Others:				

<b>D Water Quality</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
D1	Is drainage system adequate?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D2	Are there temporary ditches for runoff discharge into appropriate: Watercourse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D3	With silt retention pond?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D4	Do permanent drainage channels have: Sediment basin?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D5	Traps and baffles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D6	Is groundwater pumped out discharged via sediment traps / tanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D7	Are there sediment tanks for settling runoff prior to disposal?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D8	Constructed from pre-formed individual cells?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D9	Adequate capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D10	Free from silt and sediment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No.1
D11	Are there oil interceptors in drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D12	Oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D13	Bypass to prevent flushing during periods of heavy rain?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D14	Is drainage system well maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D15	Is exposed earth stabilized after earthworks have been completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D16	Are exposed slope surfaces covered (by tarpaulin or other means)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D17	Are open stockpiles of more than 50 m <sup>3</sup> covered during rainstorm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D18	Are manholes covered and sealed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D19	Toilet that connects to foul sewer or chemical toilets provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D20	Is debris and rubbish on site collected and disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D21	Is wastewater discharge license available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D22	Measures to prevent the washing away of sand/silt to drains?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Rainy Season</u>					
D23	Sediment control measures inspected and maintained after rainstorms?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
D24	Is there any sediment plume observed in nearby watercourses?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>General Refuse</u>					
E1	Accumulation avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E2	Receptacles (e.g. rubbish bins) available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E3	Disposed of regularly and properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Chemical Waste / Waste Oil</u>					
E4	Stored properly in designated area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E5	Labelled properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E6	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E7	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	




<b>E Waste / Chemical Management</b>		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
<u>Chemical / Fuel Storage Area</u>					
E8	Is storage area bunded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E9	Adequate bund capacity? (>110% of the largest tank)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E10	Are storage areas provided with locks and located on sealed areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Construction Waste</u>					
E11	Reused where practicable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	For temporary access road paving.
E12	Disposed of properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
E13	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stockpiles at N1 storage area are used as backfill material.
E14	Trip tickets available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>Excavated Materials</u>					
E15	Appears uncontaminated? (colour, odour)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E16	If suspected contaminated, appropriate procedures followed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E17	Relevant license/permit/trip tickets for disposal of construction waste or excavated materials available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>F Environmental Complaint</b>					<b>Remarks</b>
F1	Number of environmental complaint received from	<u>24/5/2007</u>	to	<u>30/5/2007</u>	0
<b>G General Housekeeping</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
G1	Are potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No. 2
G2	Are defined boundaries of working areas identified to prevent loss of vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>H Landscape and Visual</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
H1	Are retained trees protected by fencing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Refer to Note No. 3
H2	Is the work site confined within site boundaries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
H3	Is damage to surrounding areas avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>I Land Contamination</b>					
		<b>N/A or not observed</b>	<b>Yes</b>	<b>No</b>	<b>Remarks / Photo</b>
I1	Is protective equipment (gloves, mask) provided for site staff during exposure to potential contaminated soil/ groundwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I2	Is the contaminated soil segregated from the uncontaminated soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I3	Are the stockpiles of contaminated soil covered appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Notes / Issues Recorded On Site:**

1. Soil sediment was found to have been accumulated inside sedimentation basin in Slip Road A works area near San Tin Highway.
2. Stagnant water pools were found to have been accumulated at several locations: at manhole cover near the workshop next to the site office; at Abutment of Slip Road A works area; in unused U-channel at the South Abutment in N1 Division.
3. Fencing was found broken at the transplantation nursery in N1 Division.

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

1. Soil sediment inside the sedimentation basin should be cleared up regularly as proper maintenance.
2. Stagnant water pools should be cleared up promptly, especially after any rainstorm event, to avoid mosquito breeding.
3. The broken fencing should be replaced to properly protect the transplantation nursery.

Inspected by:	Howard Chan	Title:	Environmental Team
Signature:		Date:	31 <sup>st</sup> May 2007
Representative of Contractor:	Jeffrey Tang	Title:	Environmental Engineer
Signature:		Date:	31-5-07
Reviewed and approved by:	Susana Bezy	Title:	Environmental Team Leader
Signature:		Date:	31/5/07