



EM&A Report

# EcoPark Operation

## Quarterly EM&A Compliance Report

August to October 2010





**EM&A Report**

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Quarterly EM&A Compliance Report**

**August to October 2010**

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## EXECUTIVE SUMMARY

### General

EcoPark is a key element in the Government's waste management policy that aims to promote the local recycling industry and jump-start a circular economy to provide a sustainable solution to our waste problems. EcoPark is being developed in two phases at a site in Tuen Mun Area 38.

In November 2006, the seven-year contract for the operation of EcoPark – *EP/SP/53/06 Provision of Management Services for EcoPark in Tuen Mun Area 38* – was awarded to Serco Guardian JV (SGJV) by the Environmental Protection Department (EPD). From August 2010 SGJV, the "Operator" of EcoPark, have engaged SMEC Asia Ltd. (SMEC) as their Environmental Team (ET) to carry out the Environmental Monitoring and Audit (EM&A) works required by the EM&A Manual in accordance with the conditions of the Environmental Permit.

This is the fourteenth quarterly EM&A report prepared for the operation phase of EcoPark and covers August to October 2010.

The tenants' recycling activities are to be audited on a monthly basis and the results are to be summarised in this report. At present, there are eight tenants in EcoPark:

- Yan Oi Tong Limited (Yan Oi Tong) – waste plastics;
- Shiu Wing Steel Limited (Shiu Wing) – waste metals;
- Champway Technology Limited (Champway) – waste cooking oil;
- Hong Kong Hung Wai Wooden Board Company (Hung Wai) – waste wood;
- Li Tong Group (Li Tong) – Waste Electrical and Electronic Equipment (WEEE);
- St. James' Settlement (St James') – WEEE;
- Hong Kong Telford Envirotech Group Limited (Telford) – waste plastics; and
- Cosmos Star Holdings Co., Limited (Cosmos) – waste lead-acid batteries.

The ET has conducted monthly site inspections and some general observations have been made. The approved checklist has been used in the monthly site inspections for various tenants since October 2009.

### Throughput of Materials / Waste Generated

As of end October 2010, six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have commenced recycling activities within their lots. Two tenants (Telford and Cosmos) have not commenced recycling activities as they are still constructing their premises. The following throughputs occurred during the reporting quarter:

- **Yan Oi Tong:** 207,368kg of waste plastics was received and 137,324kg was processed. 45,535kg of general refuse was generated from mixed waste plastics.
- **Shiu Wing:** 2,435,510kg of waste metal was delivered to and processed at the tenant lot, producing the same amount of sheared heavy ferrous scrap on site. No waste was generated.

- **Champway:** 326,248kg of cooking oil and 511,540kg of grease-trap waste were delivered to the site, producing 756,236kg of treated cooking oil, 543,000kg of biodiesel and 27,150kg of glycerine. 81,553kg of waste was generated, including 43,708kg of organic waste and 37,845kg of water waste (semi-solid and slurry inclusive).
- **Hung Wai:** 833,620kg of waste wood was delivered to and processed at the site, resulting in the same amount of wood chips as product output. No waste was generated.
- **Li Tong:** 43,774kg of WEEE was delivered to the site, producing 3,978kg of metals and 12,004kg of non-metals. No waste was generated.
- **St James':** 3,500kg of WEEE was delivered to the site, producing 190kg of repaired / refurbished Electrical and Electronic Equipment (EEE). No waste was generated.
- **Telford:** Although recycling activities are not currently being carried out, 22,700kg of waste plastics were delivered to Telford's lot.

### Exceedances of any Measured Action / Limit Levels

In terms of monitoring, only quarterly monitoring of landfill gas (LFG) is required during operation phase EM&A and "following construction". As the construction of Phase 1 of EcoPark has been completed, operation phase LFG monitoring for Phase 1 has been carried out since October 2009. The LFG monitoring of this reporting quarter was undertaken on 27 October 2010, and no exceedance of action / limit level was recorded. LFG monitoring for Phase 2 of EcoPark continues to be carried out by the works contractor.

### Summary of Complaints, Summons and Prosecutions

To-date, there have been no complaints received; no notifications of summons; and no successful prosecutions.

### Reporting Changes

Effective from August 2010, SMEC have taken over as the ET for the EM&A works, replacing the previous ET who were engaged by SGJV from May 2007 to July 2010. There is, however, no change to the ET Leader, who remains as Mr Antony WONG. The content of this EM&A report is similar to that prepared previously so as to provide continuity and compatibility with previous reporting.

### Future Key Issues

By end of this reporting quarter, two tenants (Telford and Cosmos) had not commenced recycling activities but were carrying out preparatory works within their lots. In the next reporting quarter, Telford are expected to have commenced recycling activities.

In the next reporting quarter, operation phase LFG monitoring for Phase 1 shall continue. As advised by the Operator, the Phase 2 construction was completed in October 2010; as a result, the operation phase LFG monitoring for Phase 2 shall commence in the next reporting quarter. The Process Review Checklist (PRC) for Telford will be revised and further reviewed pending receipt of further information from tenant.



# 1 PROJECT DESCRIPTION

## 1.1 Overview

In the document "A Policy Framework For The Management Of Municipal Solid Waste (2005-2014)" the government set out a comprehensive policy to support the recycling industry. This included allocating suitable land, encouraging research and development, introducing environmental legislation and providing effective support measures. To this end, EcoPark is a key element that aims to promote the local recycling industry and jump-start a circular economy to provide a sustainable solution to our waste problems. By encouraging and promoting the reuse, recovery and recycling of our waste resources and returning them to the consumption loop, EcoPark will help to realise the full potential of the local recycling industry and alleviate the heavy reliance on the export of recyclable materials recovered from Hong Kong.

EcoPark is being developed in two phases in Tuen Mun Area 38 (see **Figure 1-1**). The construction contract for EcoPark – EP/SP/52/06 *Development of EcoPark in Tuen Mun Area 38* – was awarded to Kaden Construction in June 2006 by EPD. This contract covers development of Phase 1 (completed) and extends to Phase 2 (ongoing).

In November 2006, the seven-year contract for the operation of EcoPark – EP/SP/53/06 *Provision of Management Services for EcoPark in Tuen Mun Area 38* – was awarded to SGJV by EPD. Effective from August 2010 onwards, SGJV has appointed SMEC as the ET for the EM&A works, replacing the previous ET who were engaged by SGJV from May 2007 to July 2010.

## 1.2 Operation Programme

By end of October 2010, two tenants (Telford and Cosmos) have commenced preparatory works within their lots, and six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have started recycling activities.

Environmental observations noted during this quarter's site inspections are detailed in **Section 7**. In brief, these are as follows:

- **Yan Oi Tong:** Separated general refuse from the mixed plastics, and the key environmental concerns were waste plastics and refuse in drains as well as housekeeping. The tenant was therefore reminded to improve housekeeping, install screen at the drain inlet and provide covers to the U-channels.
- **Shiu Wing:** Sheared waste metal into heavy ferrous scrap, although the misting system and industrial dust collector are not yet in place. No critical environmental issues were observed in Shiu Wing's lot in this reporting quarter, yet the tenant was suggested to register as a Chemical Waste Producer and engage a registered asbestos laboratory for testing the suspected Asbestos Containing Materials.
- **Champway:** Processed and produced significant amounts of treated cooking oil and biodiesel, respectively. By end of October 2010, no waste cooking oil / biodiesel has been temporarily stored in the area reserved for the EcoPark wastewater treatment Plant (WWTP), next to Telford's lot. The key environmental concerns identified include chemical drums and oil stains on bare ground; as a result, Champway was reminded to store chemicals and dispose of the oil stain properly.

- **Hung Wai:** Shredded large amount of waste wood into wooden chips, and the packaging of shredded wood chips generated fugitive dust. In order to address such environmental issue, the tenant was suggested to minimise the gap between the outlet and packaging bags.
- **Li Tong:** Started checking and dismantling waste electrical and electronic equipment (WEEE) manually. No critical environmental issues were observed and the lot was generally tidy.
- **St. James':** Commenced sorting and checking WEEE. No critical environmental issues were observed and the lot was generally tidy.

Remedial actions were recommended to tenants, and the remedial status shall be followed up in the next monthly site inspection.

### 1.3 EM&A Organisation

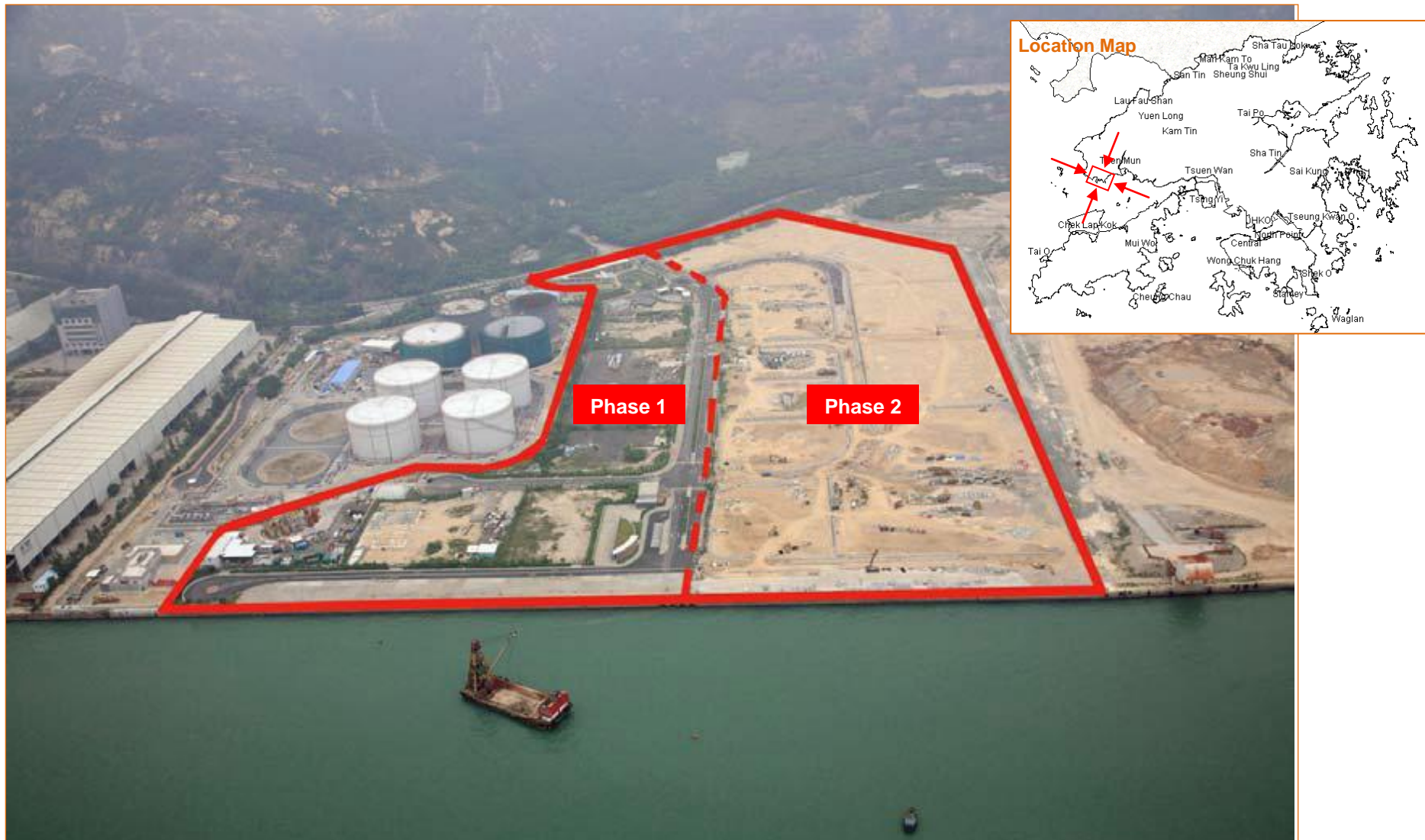
The EM&A is carried out by the ET, but SGJV and the Independent Environmental Checker (IEC) are also involved. The key personnel contact names and telephone numbers are summarised in *Table 1-1*.

**Table 1-1 Personnel Contact Names and Contact Numbers for the Project**

Party	Position	Name	Telephone No.
Project Proponent – EPD	Principal EPO Officer	Dr Lawrence WONG	2872 1700
Operator – SGJV	Project Manager	Noel AU	2496 7633
	Park Manager	Morgan CHIU	2212 5910
ET – SMEC Asia Ltd	ET Leader	Antony WONG	3995 8120
	ET Site Inspector	Carman CHUNG	3995 8138
IEC – Scott Wilson Ltd	IEC	Harold INSLEY	2410 3858

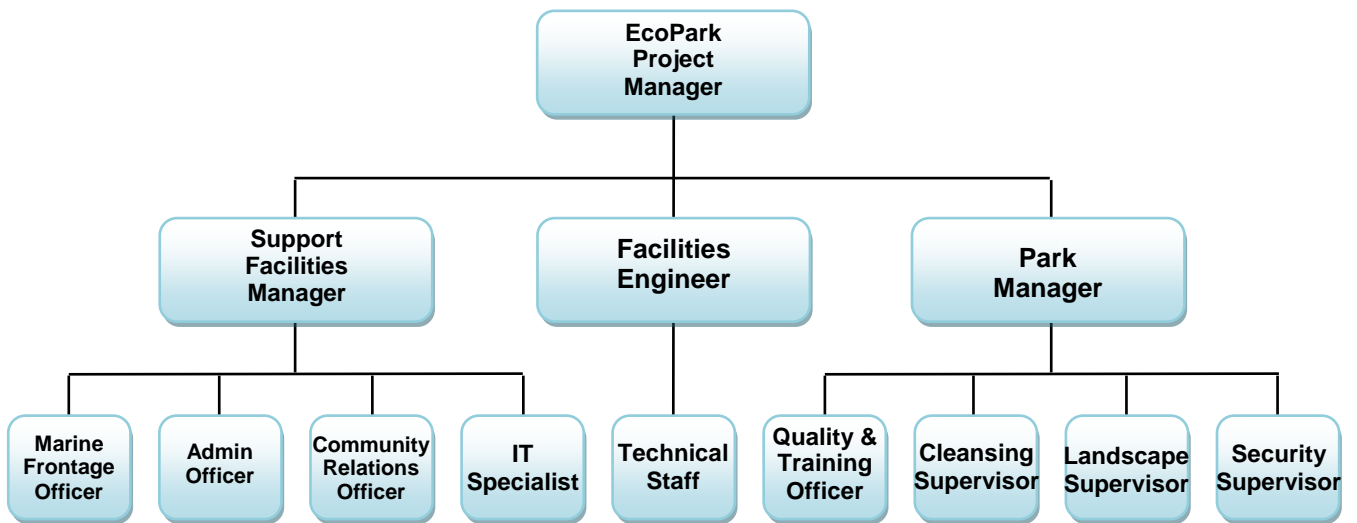
The organisation of SGJV is shown in *Figure 1-2* and the current EM&A organisation is illustrated in *Figure 1-3*.

**Figure 1-1** Location of EcoPark in Tuen Mun Area 38

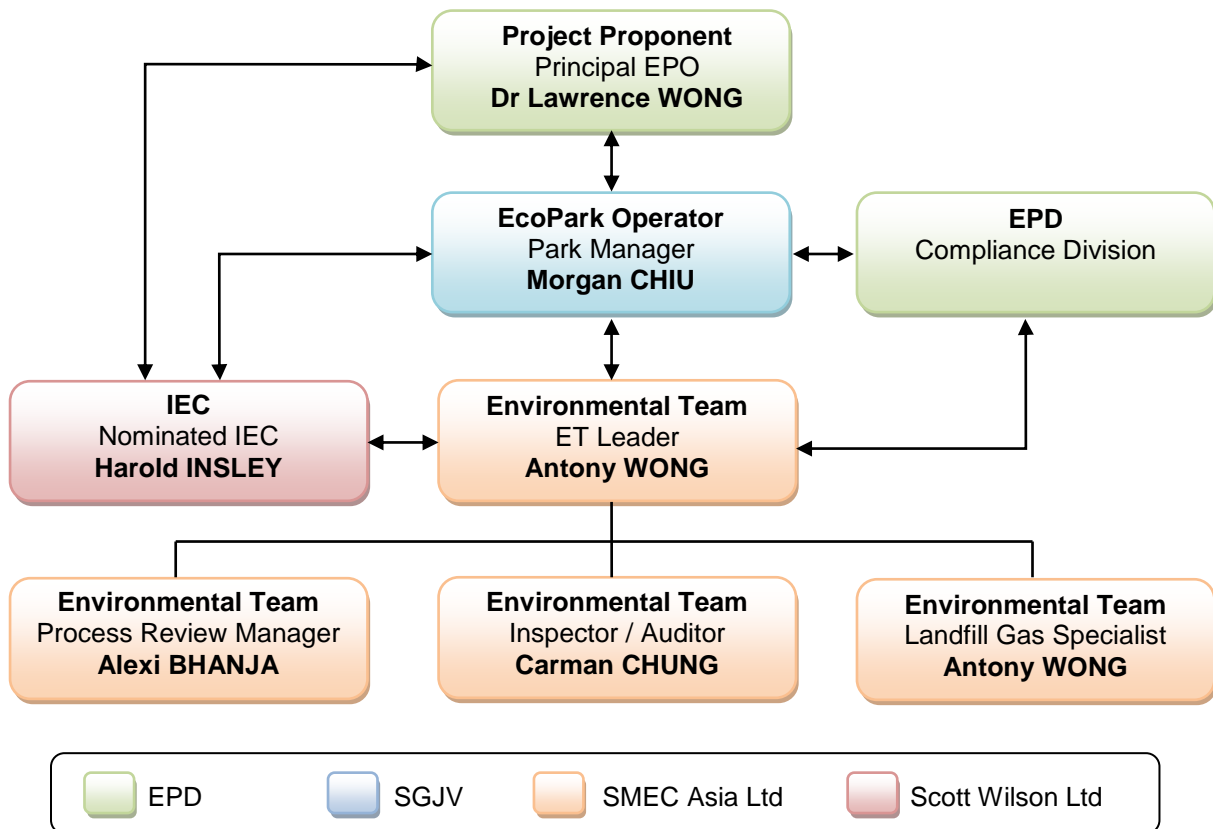


Source: EPD Records (October 2009)

**Figure 1-2 SGJV Organisation**



**Figure 1-3 EM&A Organisation**



## 2 SUMMARY OF EM&A REQUIREMENTS

### 2.1 Monitoring Parameters

The only parameter to be monitored as part of the operation phase EM&A programme is LFG.

Following completion of Phase 1 construction, routine monitoring is required at service voids and utility boxes. Since construction of Phase 1 of EcoPark was completed, quarterly LFG monitoring has been carried out by the ET since October 2009.

The location for monitoring was not specified in the EM&A Manual since the final design of EcoPark had not been completed when the EM&A Manual was approved. Therefore, during the joint site inspection on 27 July 2009, three monitoring locations were identified and agreed as suitable monitoring locations by the ET, IEC and SGJV. These three monitoring locations are listed in **Table 2-1** and shown in **Figure 2-1**.

**Table 2-1 Operation Phase LFG Monitoring Locations in EcoPark Phase 1**

Monitoring Station ID	Type of Monitoring Station	Locations
EP1-1	LFG vent pipe with cap	Inside the landscaping area of Administration Building
EP1-2	Service void	PCCW below-ground chamber outside Lot EP08-01
EP1-3	Service void	HGC Broadband below-ground chamber outside Lot EP08-03

**Figure 2-2** is a replacement page for the EM&A Manual, in accordance with footnote to Figure 6.1 in the approved EM&A Manual, and shall be deemed to be included in the EM&A Manual.

Routine monitoring shall be carried out on a quarterly basis, however, should EPD alert the Operator that high LFG levels had been detected during monthly monitoring under the Siu Lang Shui Landfill restoration contract, then the Operator may be required to increase LFG monitoring to monthly until such time as EPD inform the Operator that quarterly monitoring can be resumed.

Since operation phase LFG monitoring is required “following construction” and Phase 2 construction was completed in October 2010, operation phase LFG monitoring for Phase 2 shall commence in the next reporting quarter. In this reporting quarter, construction phase LFG monitoring for Phase 2 was undertaken as usual and was reported in the Monthly EM&A Reports prepared by the construction contractor’s ET. These reports can be downloaded from:

[http://www.epd.gov.hk/eia/english/register/index8/vep2212006\\_content.html](http://www.epd.gov.hk/eia/english/register/index8/vep2212006_content.html)

### 2.2 Environmental Quality Performance Limits and EAP

The Action / Limit Levels and Event Action Plan (EAP) for LFG are shown in **Table 2-2**, below. These refer to LFG detected in excavations, utilities and any enclosed on-site

areas. No other A/L Levels or EAPs are specified in the EM&A Manual for operation phase EM&A.

**Table 2-2 Action Levels, Limit Levels and Event and Action Plan for LFG**

Parameter	Level	Action
Oxygen (O <sub>2</sub> )	Action Level <19% O <sub>2</sub>	<ul style="list-style-type: none"> <li>Ventilate trench/void to restore O<sub>2</sub> to &gt; 19%</li> </ul>
	Limit Level <18% O <sub>2</sub>	<ul style="list-style-type: none"> <li>Stop works</li> <li>Evacuate personnel / prohibit entry</li> <li>Increase ventilation to restore O<sub>2</sub> to &gt; 19%</li> </ul>
Methane (CH <sub>4</sub> )	Action Level >10% LEL	<ul style="list-style-type: none"> <li>Post "No Smoking" signs</li> <li>Prohibit hot works</li> <li>Increase ventilation to restore CH<sub>4</sub> to &lt;10% LEL</li> </ul>
	Limit Level >20% LEL	<ul style="list-style-type: none"> <li>Stop works</li> <li>Evacuate personnel / prohibit entry</li> <li>Increase ventilation to restore CH<sub>4</sub> to &lt;10% LEL</li> </ul>
Carbon Dioxide (CO <sub>2</sub> )	Action Level >0.5% CO <sub>2</sub>	<ul style="list-style-type: none"> <li>Ventilate to restore CO<sub>2</sub> to &lt; 0.5%</li> </ul>
	Limit Level >1.5% CO <sub>2</sub>	<ul style="list-style-type: none"> <li>Stop works</li> <li>Evacuate personnel / prohibit entry</li> <li>Increase ventilation to restore CO<sub>2</sub> to &lt;0.5%</li> </ul>

## 2.3 Environmental Audit of Non-Monitored Parameters

Site inspections provide a direct means to trigger and enforce the environmental protection and pollution control measures specified in the Environmental Impact Assessment (EIA) Report. To examine operational practice, site inspections are to be undertaken regularly by the ET once per month, and joint site inspections are to be carried out by the ET and IEC once per quarter. Ad hoc site inspections are also carried out if significant environmental problems are identified. In addition, inspections may be required subsequent to receipt of an environmental complaint, or as part of the investigation work, as specified in the EAP. The following parameters are required to be audited as part of the operation phase EM&A programme:

- Air Quality
- Water Quality
- Waste Management
- Land Contamination

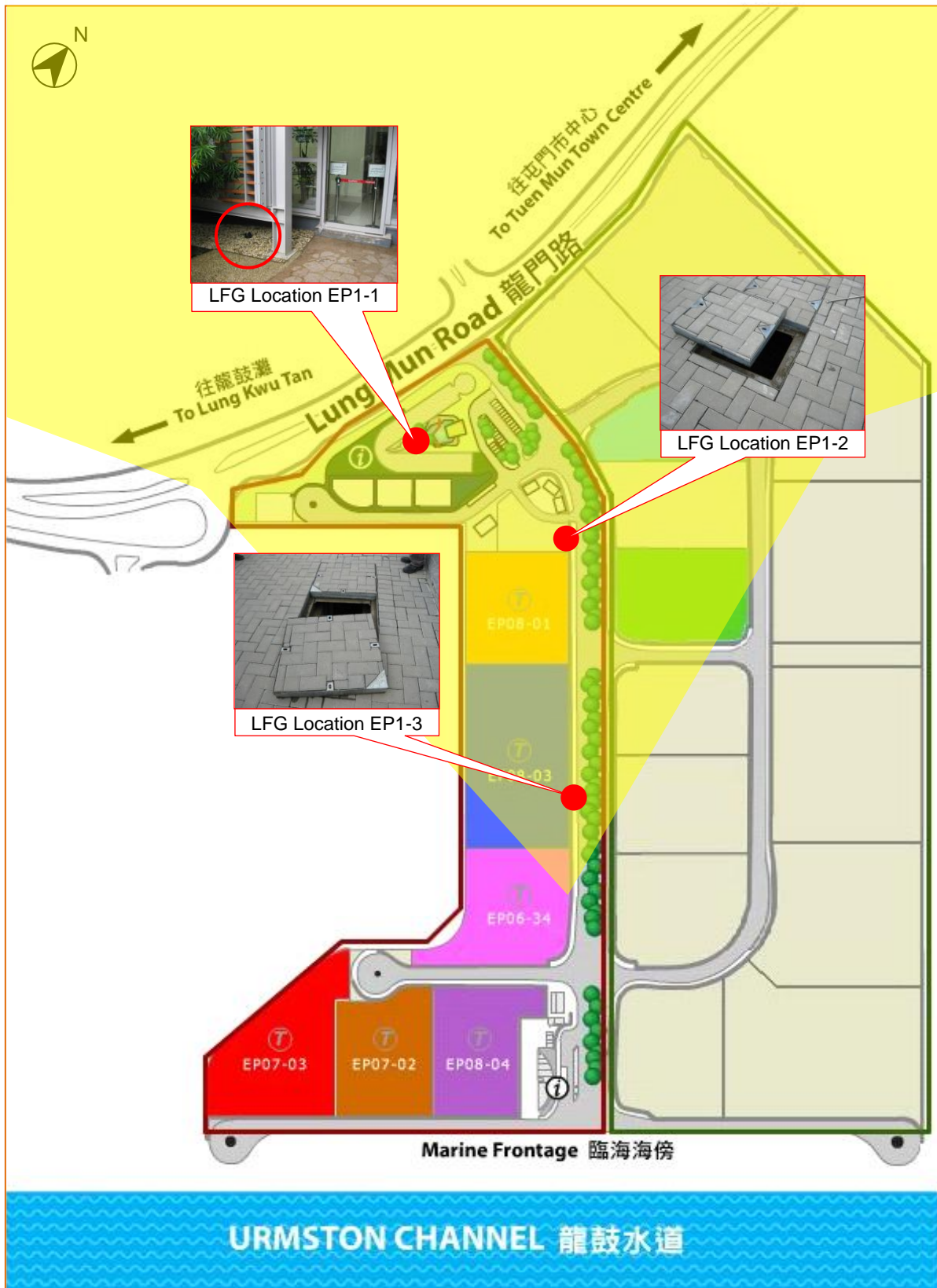
## 2.4 Environmental Mitigation Measures

Environmental mitigation measures applicable to the operation phase EM&A as stated in the Implementation Schedule are summarised in **Appendix 1**.

## 2.5 Environmental Requirements in Tenancy Agreements

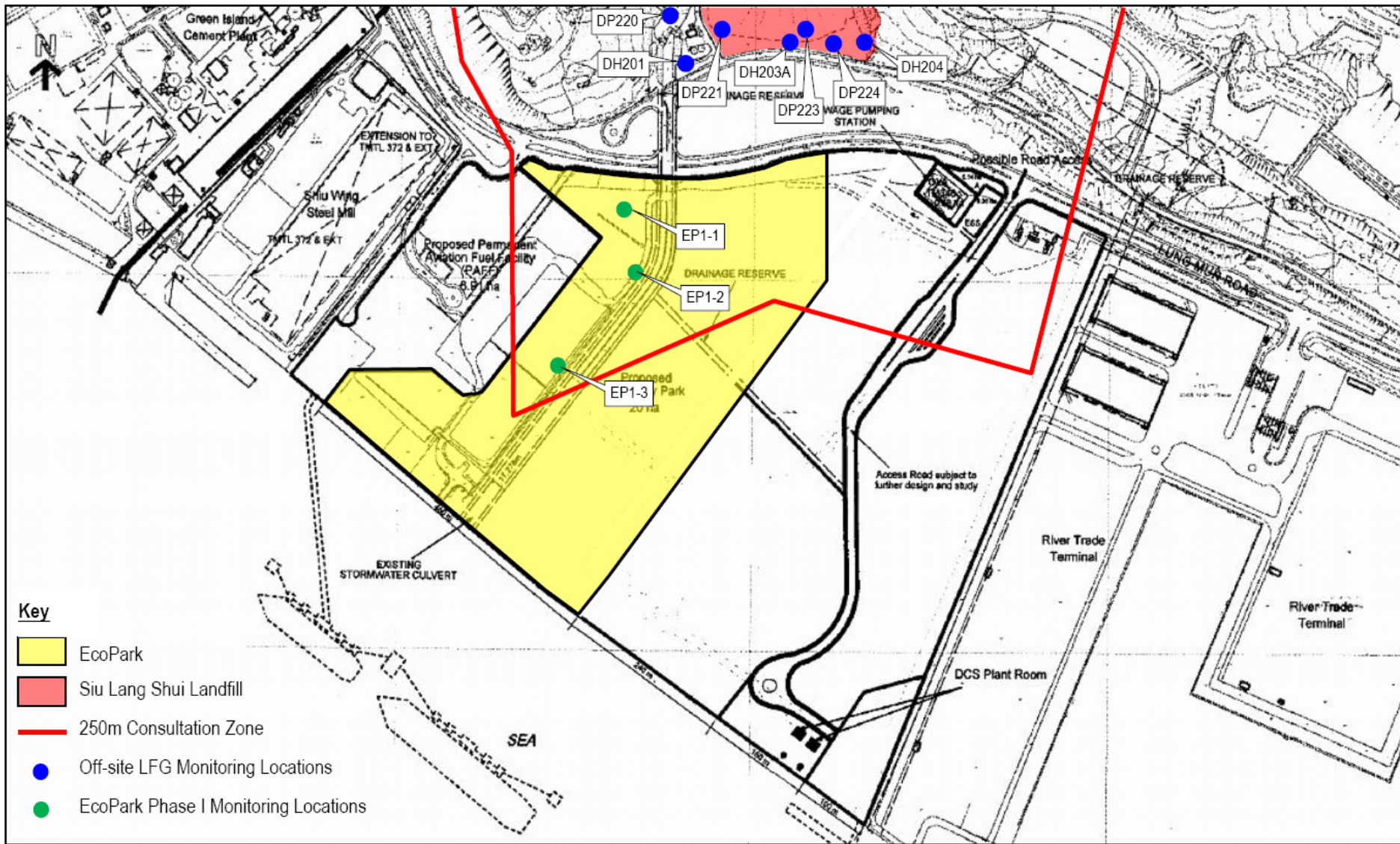
Environmental requirements specified in tenancy agreements are summarised in **Appendix 2**.

Figure 2-1 LFG Monitoring Locations within EcoPark Phase 1



 Area Within the Shiu Lang Shui Landfill Gas Consultation Zone

Figure 2-2 Replacement Figure for EM&A Manual Figure 6.1





## 3 OPERATION STATUS

### 3.1 Tenants and Processes

*Figure 3-1* shows the location of lots within EcoPark, the tenancy numbers and tenant names.

#### 3.1.1 Tenancy EP06-034

- **Lot Size:** Approx. 5,000m<sup>2</sup>
- **Activity:** Recycling of Waste Wood
- **Tenant:** Hong Kong Hung Wai Wooden Board Company
- **Recycling Process:** Shred waste wood into wooden chips for further processing in Mainland China. Ferrous metals will be separated by magnets.

Following the trial run and operation of the lot in May and June 2010, recycling activities commenced in July 2010. In this reporting quarter, large quantities of wood chips (product output) have been produced. A summary of waste throughputs is provided in *Section 3.2*.

#### 3.1.2 Tenancy EP07-02

- **Lot Size:** Approx. 6,500m<sup>2</sup>
- **Activity:** Recycling of WEEE
- **Tenant:** Li Tong Group
- **Recycling Process:** Manually dismantling of WEEE, particularly CRT glass and LCD panels into metals (ferrous materials, aluminium, etc.) and non-metals (fibres, plastics, etc.).

After the completion of Phase 1 construction works in June 2010, the Occupation Permit was obtained on 5 August 2010. Phase 1 trial operation took place in September 2010, and the recycling activities commenced in October 2010. A summary of waste throughputs is provided in *Section 3.2*.

#### 3.1.3 Tenancy EP07-03

- **Lot Size:** Approx. 6,000m<sup>2</sup>
- **Activity:** Recycling of Organic Waste (Waste Cooking Oil)
- **Tenant:** Champway Technology Limited
- **Recycling Process:** Turn waste cooking oil into biodiesel by extraction, neutralisation, separation and distillation

Following trial run and operation of the lot in May and June 2010, Phase 1 recycling activities commenced in July 2010.

In this reporting quarter, a significant amount of treated cooking oil and biodiesel have been processed and produced, respectively. Between July to September 2010, Champway temporarily stockpiled biodiesel in the reserved area for the WWTP, next to

Telford's lot, yet no biodiesel storage could be found there by end of October 2010. A summary of waste throughputs is provided in **Section 3.2**.

### 3.1.4 Tenancy EP08-01

- **Lot Size:** Approx. 5,000m<sup>2</sup>
- **Activity:** Recycling of Waste Plastics
- **Tenant:** Hong Kong Telford Envirotech Group Limited
- **Recycling Process:** Sorting, shredding and extrusion of waste plastics

As of end October 2010, the tenant has commenced preparatory works but has not yet commenced recycling activities. Plastic bags have been stockpiled in the lot since July 2009, and other plastic waste and some recycling equipment could also be found. The PRC will be reviewed and revised pending receipt of further information from the tenant.

### 3.1.5 Tenancy EP08-03

- **Lot Size:** Approx. 9,500 m<sup>2</sup>
- **Activity:** Recycling of Waste Metals
- **Tenant:** Shiu Wing Steel Limited
- **Recycling Process:** Turn waste metals into light ferrous scrap and heavy ferrous scrap by sorting, baling and shearing

Further to the trial run and operation of the lot in May and June 2010, recycling activities commenced in July 2010. In this reporting quarter, large amounts of waste metal / steel scrap have been processed. A summary of waste throughputs is provided in **Section 3.2**.

### 3.1.6 Tenancy EP08-04

- **Lot Size:** Approx. 4,000 m<sup>2</sup>
- **Activity:** Recycling of materials arising from industrial and commercial activities
- **Tenant:** Cosmos Star Holdings Co., Limited
- **Recycling Process:** Separate waste lead-acid and lithium batteries by mechanical / physical means. The battery acid will be drained and treated by the on-site wastewater treatment system

A building contractor was engaged in October 2010 and preparatory works have commenced, however, no significant construction works have been carried out by the end of this reporting quarter.

### 3.1.7 Tenancy P7

- **Lot Size:** Approx. 5,000 m<sup>2</sup>
- **Activity:** Recycling of waste plastics
- **Tenant:** Yan Oi Tong Limited
- **Recycling Process:** Convert mixed waste plastics into pellets / flakes / baled materials by pre-washing, sorting, flaking, secondary washing, drying, extrusion and chip-forming

Further to the trial run and operation of the lot in March and April 2010, recycling activities commenced in May 2010. In this reporting quarter, large amount of waste plastics have been sorted. A summary of waste throughputs is provided in **Section 3.2**.

### 3.1.8 Tenancy P5

- **Lot Size:** Approx. 4,070 m<sup>2</sup>
- **Activity:** Recycling of WEEE
- **Tenant:** St. James' Settlement
- **Recycling Process:** WEEE will be sorted on site first. The WEEEs suitable for reuse will be repaired and refurbished, whilst those irreparable / not suitable for repair will be manually dismantled to recover the reusable parts and recyclable materials

After the completion of construction works in September 2010, the recycling activities commenced in October 2010. A summary of waste throughputs is provided in **Section 3.2**.

## 3.2 Throughput Statistics

As of end October 2010, six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have commenced recycling activities within their lots. Two tenants (Telford and Cosmos) have not commenced recycling activities as they are still constructing their premises. The following throughputs occurred during the reporting quarter:

- **Yan Oi Tong:** 207,368kg of waste plastics was received and 137,324kg was processed. 45,535kg of general refuse was generated from mixed waste plastics.
- **Shiu Wing:** 2,435,510kg of waste metal was delivered to and processed at the tenant lot, producing the same amount of sheared heavy ferrous scrap on site. No waste was generated.
- **Champway:** 326,248kg of cooking oil and 511,540kg of grease-trap waste were delivered to the site, producing 756,236kg of treated cooking oil, 543,000kg of biodiesel and 27,150kg of glycerine. 81,553kg of waste was generated, including 43,708kg of organic waste and 37,845kg of water waste (semi-solid and slurry inclusive).
- **Hung Wai:** 833,620kg of waste wood was delivered to and processed at the site, resulting in the same amount of wood chips as product output. No waste was generated.
- **Li Tong:** 43,774kg of WEEE was delivered to the site, producing 3,978kg of metals and 12,004kg of non-metals. No waste was generated.
- **St James':** 3,500kg of WEEE was delivered to the site, producing 190kg of repaired / refurbished EEE. No waste was generated.
- **Telford:** Although recycling activities are not currently being carried out, 22,700kg of waste plastics were delivered to Telford's lot.

Detailed throughput figures are provided in **Appendix 3**.

Figure 3-1 Current Lot Usage Within EcoPark



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## 4 IMPLEMENTATION STATUS OF ENVIRONMENTAL PROTECTION MEASURES

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Environmental mitigation measures applicable to the operation phase EM&A as stated in the implementation schedule are summarised in *Appendix 1*. Environmental requirements specified in tenancy agreements are summarised in *Appendix 2*.

As of end October 2010, six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have commenced recycling activities within their lots. Appropriate environmental protection measures are in place.

## 5 MONITORING RESULTS

### 5.1 Monitoring Date, Time, Frequency and Duration

A set of LFG measurement was conducted on quarterly basis. In this reporting quarter, the measurement was undertaken during the joint IEC site inspection on 27 October 2010. When the LFG monitoring is underway, monitoring data, time, duration for monitoring and the weather condition, are recorded and listed in **Table 5-1**, below.

**Table 5-1 Sampling Schedule of LFG Monitoring**

Station ID	Date	Time	Duration	Air Temp	Weather
EP1-1	27 Oct 10	09:40 – 09:45	5 minutes	21°C	Fine
EP1-2		09:50 – 09:55	5 minutes	21°C	Fine
EP1-3		10:05 – 10:10	5 minutes	21°C	Fine

### 5.2 Monitoring Methodology, Parameters and Equipment

The LFG monitoring requirement and methodology are stipulated in Section 6 of the EM&A Manual. The LFG monitoring parameters and their measurement ranges are detailed in **Table 5-2**, below.

**Table 5-2 Parameters and Measurement Ranges of LFG Monitoring**

Parameters	Measurement Ranges
Methane (CH <sub>4</sub> )	0-100% LEL & 0-100% v/v
Oxygen (O <sub>2</sub> )	0-25% v/v
Carbon Dioxide (CO <sub>2</sub> )	0-100% v/v
Barometric Pressure	mBar (absolute)

LFG monitoring shall be carried out using intrinsically-safe, portable multi-gas monitoring instruments. The gas monitoring equipment shall:

- Where possible, comply with BS 6020 and be approved by BASEEFA as intrinsically safe, suitable for use in a Zone 2 are to BS 5345.
- Be capable of continuous monitoring of methane, oxygen and carbon dioxide.
- Be capable of continuous barometric pressure and gas pressure measurements.
- Normally operate in diffusion mode unless required for spot sampling, when it should be capable of operating by means of an aspirator or pump.
- Have low battery, fault and over range indication incorporated.
- Store monitoring data, and shall be capable of being down-loaded directly to a PC.
- Measure in the following ranges:
  - Methane 0-100% LEL & 0-100% v/v
  - Oxygen 0-25% v/v
  - Carbon dioxide 0-100% v/v
  - Barometric pressure mBar (absolute)

The monitoring equipment shall alarm (both audibly and visually) in the event that the concentrations of the following are exceeded:

- Methane – rise to 10% LEL.
- Oxygen – fall to 18% by volume.
- Carbon monoxide – maximum short term (1-hour) exposure of 300ppm with long term average (8-hours) not to exceed 50ppm.

### 5.3 Types of Equipment Used and Calibration Details

One Infra Red Gas Analyser Model GA94A (serial number GA3385) was used for LFG measurements. The gas analyser is calibrated every 18 months. **Appendix 4** presents the monitoring equipment calibration records.

### 5.4 Results and Graphical Plots of Monitoring Parameters

LFG monitoring results are summarised in **Table 5-3**, below. The Action and Limit Levels were shown in **Table 2-2**. Graphical plots of the monitoring results are also provided in **Appendix 5**.

**Table 5-3 LFG Monitoring Results**

Station ID	Monitoring Results				
	CH <sub>4</sub> (% v/v)	CH <sub>4</sub> (% LEL)	O <sub>2</sub> (% v/v)	CO <sub>2</sub> (% v/v)	Barometric Pressure (mBar)
EP1-1	0.0	0	21	0.0	1018
EP1-2	0.0	0	21	0.0	1018
EP1-3	0.0	0	20	0.0	1019

As can be seen above, no Action or Limit Level exceedance was recorded.

## 6 WASTE GENERATION STATISTICS

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As of end October 2010, six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have commenced recycling activities within their lots. The details of waste generation are shown in **Appendix 3**.

- **Yan Oi Tong:** 45,535kg of general refuse was sorted from the mixed waste plastics at Yan Oi Tong's lot, and subsequently disposed of at WENT Landfill.
- **Shiu Wing:** Has not generated any non-ferrous scrap / general refuse from the waste metal / steel scrap in this reporting quarter.
- **Champway:** 81,553kg of waste, including 43,708kg of organic waste and 37,845kg of water waste (semi-solid and slurry inclusive). These organic waste and water waste were collected by licence collectors, transported to and disposed of at WENT Landfill as general refuse.
- **Hung Wai:** Has not produced any general refuse from the waste wood in this reporting quarter.
- **Li Tong:** Has not produced any general refuse from the WEEE in this reporting quarter.
- **St. James':** Has not produced any general refuse from the WEEE in this reporting quarter.



## 7 SUMMARY OF ENVIRONMENTAL AUDIT

### 7.1 August 2010

Environmental audits of active tenants and the general EcoPark audit were carried out by the ET on 30 August 2010.

#### 7.1.1 Tenant Audits

Four tenants (Yan Oi Tong, Shiu Wing, Champway and Hung Wai) had commenced recycling activities and a summary of their audits is provided below. Apart from Hung Wai, the audits were conducted based on the approved site inspection checklist. The completed audit checklists for tenants are provided in [Appendix 6](#).

- **Yan Oi Tong:** Previous observations of environmental deficiency were rectified. One new observation of refuse on bare ground of the waste storage area was recorded during the audit. The tenant was reminded to enhance housekeeping. The completed checklist for Yan Oi Tong is provided in [Appendix 6.1](#).
- **Shiu Wing:** Previous observations of oil spillage and uncovered oil drums were rectified. Two new observations of chemical waste handling and suspected Asbestos Containing Materials (ACM) were recorded during the audit. The tenant was advised to register as a Chemical Waste Producer and engage a registered asbestos laboratory for testing the suspected ACM. The completed checklist for Shiu Wing is provided in [Appendix 6.2](#).
- **Champway:** Previous observations of oil stain, uncovered waste cooking oil bucket and stagnant water at the reserved area for WWTP were rectified. Two new observations of chemical drum and oil dripping on bare ground were recorded during the audit. The tenant was reminded to store and label the chemicals properly, as well as providing appropriate secondary containment for this potential source of ground contamination. The completed checklist for Champway is provided in [Appendix 6.3](#).
- **Hung Wai:** Since the contact person was not available, the audit was conducted based on the general EcoPark audit checklist instead of the approved tenant-specific audit checklist. The checklist for Hung Wai is provided in [Appendix 7](#).

#### 7.1.2 General EcoPark Audit

The general EcoPark audit found muddy trails outside lot P10 (from the Phase 2 works contractor) were still in evidence. The Operator was advised to liaise with the Resident Engineer to ensure that the mud was cleared. No new observations were recorded during the audit. The completed general checklist for EcoPark is provided in [Appendix 7](#).

### 7.2 September 2010

Environmental audits of active tenants and the general EcoPark audit were carried out by the ET on 29 September 2010.

#### 7.2.1 Tenant Audits

Four tenants (Yan Oi Tong, Shiu Wing, Champway and Hung Wai) had commenced recycling activities and a summary of their audits is provided below. The audits were

conducted based on the approved site inspection checklist. The completed audit checklists for tenants are provided in [Appendix 6](#).

- **Yan Oi Tong:** Previous observations of environmental deficiency remained outstanding. Two new observations of overflow at the working area and stagnant water inside the manhole of the storm water drain were recorded during the audit. The tenant was reminded to provide proper maintenance to their WWTP and to clean the U-channels. The completed checklist for Yan Oi Tong is provided in [Appendix 6.1](#).
- **Shiu Wing:** Previous observations of environmental deficiencies shall be followed up in the next monthly audit. No new observations were recorded during the audit. The completed checklist for Shiu Wing is provided in [Appendix 6.2](#).
- **Champway:** Previous observations of environmental deficiencies were rectified. No new observations were recorded during the audit. The completed checklist for Champway is provided in [Appendix 6.3](#).
- **Hung Wai:** No new observations were recorded during the audit. The completed checklist for Hung Wai is provided in [Appendix 6.4](#).

## 7.2.2 General EcoPark Audit

The general EcoPark audit found muddy trails outside lot P10 (from the Phase 2 works contractor) were still in evidence, although less so than in the previous audit. The Operator was again advised to remind the Phase 2 works contractor to clear the mud. No new observations were recorded during the audit. The completed general checklist for EcoPark is provided in [Appendix 7](#).

## 7.3 October 2010

Environmental audits of active tenants and the general EcoPark audit were carried out by the ET and the IEC in a joint inspection on 27 October 2010.

### 7.3.1 Tenant Audits

Six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') had commenced recycling activities and a summary of their audits is provided below. The audits were conducted based on the approved site inspection checklist. The completed audit checklists for tenants are provided in [Appendix 6](#).

- **Yan Oi Tong:** Previous observations of environmental deficiency remained outstanding and the tenant was again reminded to improve housekeeping, install a screen at the drain inlet and provide covers for the U-channels. No new observations were recorded during the audit. The completed checklist for Yan Oi Tong is provided in [Appendix 6.1](#).
- **Shiu Wing:** Previous observations of environmental deficiencies shall be followed up in the next monthly audit. No new observations were recorded during the audit. The completed checklist for Shiu Wing is provided in [Appendix 6.2](#).
- **Champway:** No follow-up action was required from the previous site audit. Two new observations of chemical drums and oil stains on bare ground were recorded during the audit. The tenant was reminded to place chemicals in a proper storage area and dispose of the oil stains properly. The completed checklist for Shiu Wing is provided in [Appendix 6.3](#).

- **Hung Wai:** No follow-up action was required from the previous site audit. One new observation of fugitive dust from packaging of shredded wood chips was recorded during the audit. The tenant was advised to minimise the gap between the outlet and packaging bags to control fugitive dust emission. The completed checklist for Hung Wai is provided in **Appendix 6.4**.
- **Li Tong:** No new observations were recorded during the audit. The completed checklist for Li Tong is provided in **Appendix 6.5**.
- **St. James':** No new observations were recorded during the audit. The completed checklist for St. James' is provided in **Appendix 6.6**.

### 7.3.2 General EcoPark Audit

Following the site audit in September 2010, no follow-up action was required as the previous muddy trails had been cleaned.

One new environmental observation of an oily patch at Telford's lot was recorded during the audit. The tenant was therefore reminded to clear the patch as soon as possible and provide secondary containment during equipment oil replacement / underneath oil drums. The completed general checklist for EcoPark (and non-active tenants) is provided in **Appendix 7**. The remedial status shall be followed up in the next audit.

During the joint site inspection, LFG monitoring was undertaken at the three monitoring locations agreed by the ET, IEC and SGJV in July 2009. These three monitoring locations are listed in **Table 2-1** and shown in **Figure 2-1**. The monitoring results are presented in **Section 5.4**. No action / limit level exceedance was recorded.

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## 8 COMPLAINTS

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As of end October 2010, six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have commenced recycling activities within their lots. No complaints related to recycling activities have been received in this reporting quarter.

## 9 CONCLUSIONS

This is the fourteenth quarterly EM&A report prepared for the operation phase of EcoPark and covers August to October 2010.

At present, there are eight tenants in EcoPark. As of end October 2010, six tenants (Yan Oi Tong, Shiu Wing, Champway, Hung Wai, Li Tong and St. James') have commenced recycling activities within their lots. Two tenants (Telford and Cosmos) have not commenced recycling activities as they are still constructing their premises. The following throughputs occurred during the reporting quarter:

- **Yan Oi Tong:** 207,368kg of waste plastics was received and 137,324kg was processed. 45,535kg of general refuse was generated from mixed waste plastics.
- **Shiu Wing:** 2,435,510kg of waste metal was delivered to and processed at the tenant lot, producing the same amount of sheared heavy ferrous scrap on site. No waste was generated.
- **Champway:** 326,248kg of cooking oil and 511,540kg of grease-trap waste were delivered to the site, producing 756,236kg of treated cooking oil, 543,000kg of biodiesel and 27,150kg of glycerine. 81,553kg of waste was generated, including 43,708kg of organic waste and 37,845kg of water waste (semi-solid and slurry inclusive).
- **Hung Wai:** 833,620kg of waste wood was delivered to and processed at the site, resulting in the same amount of wood chips as product output. No waste was generated.
- **Li Tong:** 43,774kg of WEEE was delivered to the site, producing 3,978kg of metals and 12,004kg of non-metals. No waste was generated.
- **St James':** 3,500kg of WEEE was delivered to the site, producing 190kg of repaired / refurbished EEE. No waste was generated.
- **Telford:** Although recycling activities are not currently being carried out, 22,700kg of waste plastics were delivered to Telford's lot.

In terms of monitoring, only quarterly monitoring of LFG is required during operation phase EM&A and "following construction". As the construction of Phase 1 of EcoPark has been completed, operation phase LFG monitoring for Phase 1 has been carried out since October 2009. The LFG monitoring of this reporting quarter was undertaken on 27 October 2010, and no action / limit level exceedance was recorded. LFG monitoring for Phase 2 of EcoPark continues to be carried out by the works contractor.

The ET has conducted monthly site inspections based on the approved checklist. Since October 2009, the checklist has been used in the monthly site inspections for various tenants. Environmental deficiencies and general observations noted during the monthly site inspections were detailed in **Section 7**. Remedial actions were recommended to tenants, and the remedial status shall be followed up in the next monthly site inspection.

In the coming quarter, the operation phase LFG monitoring for Phase 1 shall continue. As advised by the Operator, the Phase 2 construction was completed in October 2010; as a result, the operation phase LFG monitoring for Phase 2 shall commence in the next reporting quarter. The PRC for Telford will be revised and further reviewed pending receipt of further information from tenant.

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## APPENDIX 1

### Environmental Mitigation Measures (from the Implementation Schedule)

EIA Ref.	EM&A Ref.	Environmental Protection Measures Identified in the Implementation Schedule that are Applicable to the Operation Phase of EcoPark	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines
<b>General</b>					
5.5.23 to 5.5.25, 10.2.24 & 10.2.37	4.2.5 to 4.2.8	The Operator shall develop and implement an Emergency Response Plan (ERP) that lists the procedures to be followed in case of fire, fuel or chemical spillage or other emergency within the EcoPark.	Throughout the duration of the operation.	Operator	
12.2	7.2	No process shall be allowed to operate within EcoPark without approval from WFBU. Approval will be based on the ten-step Process Review, which may include a Design Audit if deemed to be necessary.	Throughout the duration of the operation.	ET IEC Project Proponent	
	8.1.2	All reports (including Process Review Checklists and any Design Audits) shall be prepared and certified by the ET, verified by the IEC and approved by the Project Proponent.	Throughout the duration of construction works until construction is substantially completed. Throughout the duration of the operation.	ET IEC Project Proponent	
12.3	7.3	The Operator shall prepare and implement an Environmental Management Plan (EMP) to define mechanisms for achieving the environmental requirements specified in the EIA, EP and in statutory regulations.	Throughout the duration of the operation.	Operator	
<b>Air Quality</b>					
13.2		The Operator shall ensure that the EcoPark “base case” assumptions for air quality shown in Table 13.1 of the Final EIA Report are met by tenants, as a whole.	Throughout the duration of the operation.	Operator	Table 13.1 of the Final EIA Report
<b>Water Quality</b>					
5.4.11 & 5.6.7		To minimise the chance of accidental spillage during loading and unloading, and thereby reduce marine water quality impacts, well established cargo handling guidelines should be followed.	Adjacent to EcoPark marine frontage when loading or unloading goods.	Operator Operators of bulk carriers	Sections 5 & 6 of IMO Code of Practice for the Safe Loading/Unloading of Bulk Carriers
5.5.19		Contaminated water collected in the surface drainage systems shall be treated at the WTF or other appropriate treatment facility.	Within EcoPark throughout the life of the facility.	Operator	
5.5.23 to 5.5.25	4.2.5 to 4.2.7	An Emergency Response Plan (ERP) will be formulated to address various accident scenarios. The ERP will be certified by the Environmental Team (ET) and verified by the Independent Environmental Checker (IEC) under the operation EM&A programme.	Within EcoPark throughout the life of the facility.	Operator	
5.6.4		For uncovered areas where recovery process identified as causing potentially high level of contamination are located, stop-logs will be installed in the perimeter drainage system to isolate contamination.	Within EcoPark throughout the life of the facility.	Operator	

EIA Ref.	EM&A Ref.	Environmental Protection Measures Identified in the Implementation Schedule that are Applicable to the Operation Phase of EcoPark	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines
	4.2.2	The ET should develop an audit checklist, with the agreement of the IEC, to ensure that each mitigation measure is implemented when appropriate and operated correctly when implemented.	Within EcoPark throughout the life of the facility.	ET with IEC	
<b>Waste Management</b>					
6.8.7	5.2.4	The Operator should register with EPD as a chemical waste producer.	Within EcoPark throughout the life of the facility.	Operator	Waste Disposal (Chemical Waste) (General) Regulation
6.8.16		The dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	Within EcoPark throughout the life of the facility.	Operator	Practice Note for disposal of dusty waste at landfills & Admission Ticket System
6.8.18 & 6.8.22	5.2.4	Sludge will be disposed of at WENT landfill, or at any future dedicated sludge treatment facility. Sludge will be collected by a Licensed collector at regular intervals, as determined by the operation of the WTF	Within EcoPark throughout the life of the facility.	Operator	
6.8.21	5.2.4	Chemical wastes shall be stored in appropriate containers in a covered area. "No Smoking" signs will be clearly displayed to prevent accidental ignition of flammable materials. Drip trays capable of storing 110% of the volume of the largest container will be used to mitigate possible leakage.	Within EcoPark throughout the life of the facility.	Operator	Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
	5.2.3 & 5.2.5	The ET should develop an audit checklist, with the agreement of the IEC, to ensure that each mitigation measure is implemented when appropriate and operated correctly when implemented.	Within EcoPark throughout the life of the facility.	ET with IEC	
<b>Prevention of Contaminated Land</b>					
7.3.1	5.3.2	Any spillages of contaminating material shall be cleaned up immediately through the use of an absorbent. Any such used material should then be considered chemical waste and disposed of appropriately.	Within EcoPark throughout the life of the facility.	Operator	
7.3.3		Any areas within the lot to be used for recycling processes shall be concrete paved before recycling activities commence.	Within EcoPark throughout the life of the facility.	Operator	
7.3.5	5.3.2	During operation, the greatest risk of land contamination will come from storage of chemical wastes, therefore the measures should be followed :	Within EcoPark throughout the life of the facility.	Operator	
		<ul style="list-style-type: none"> <li>All chemical storage areas shall be provided with locks and be sited on sealed areas. The storage areas shall be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled oil and chemicals from contaminating the ground.</li> </ul>			
		<ul style="list-style-type: none"> <li>Management of chemical waste is implemented through the control of waste storage, labelling of waste, transportation and treatment of chemical waste at an appropriate facility.</li> </ul>			



EIA Ref.	EM&A Ref.	Environmental Protection Measures Identified in the Implementation Schedule that are Applicable to the Operation Phase of EcoPark	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines
		<ul style="list-style-type: none"> <li>Chemical wastes will be collected, stored and disposed of in accordance with the Regulation. Disposal of other construction waste will be undertaken by Licensed contractors in accordance with applicable statutory requirements in the WDO.</li> </ul>			Waste Disposal (Chemical Waste) (General) Regulation
		<ul style="list-style-type: none"> <li>Chemical wastes shall be handled according to the relevant code of practice. Spent chemicals shall be stored and collected by an approved operator for disposal at a licensed facility in accordance with the relevant regulation.</li> </ul>			Code of Practice on the Packaging, Labelling and Storage of Chem Wastes & Chemical Waste (General) Regulation
	5.3.3	The ET should develop an audit checklist, with the agreement of the IEC, to ensure that each mitigation measure is implemented when appropriate and operated correctly when implemented.	Within EcoPark throughout the life of the facility.	ET with IEC	
<b>Landfill Gas</b>					
8.7.10 & 8.7.11	6.1.2	<ul style="list-style-type: none"> <li>Alert workers and visitors of possible LFG hazards</li> <li>Prohibit smoking and open fires on site</li> <li>Conduct regular (quarterly) LFG monitoring at mobile offices, equipment stores, etc.</li> </ul>	Within EcoPark throughout the life of the facility.	Operator	
	6.4.3	Following construction, routine monthly monitoring may be required at service voids and utility boxes. The monitoring requirement and specific locations of monitoring points shall be established based on the findings of the monitoring carried out during construction (i.e. if no LFG is detected during construction then no routine monitoring is required). The need for continued monitoring shall, however, be reviewed through discussion with EPD.	Within EcoPark throughout the life of the facility.	Operator	
<b>Hazard to Life</b>					
10.4.3		Building height limit within EcoPark shall be applied to structures within which people may work at elevated levels.	Within EcoPark throughout the life of the facility.	Operator	EIA Report Table 10.2
<b>Landscape and Visual</b>					
9.4.4		It recommended that this commonality be promoted throughout EcoPark by the Operator and adopted by tenants, if practicable.	Within EcoPark throughout the life of the facility.	Operator	

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## APPENDIX 2

### Environmental Requirements in Tenancy Agreement

## GENERAL ENVIRONMENTAL RESPONSIBILITIES

- 9.1 The Tenant shall at its own cost(s) comply with and shall ensure that the Premises is used, designed, constructed, operated and maintained in accordance with:-
- (a) All relevant Ordinances, by-laws, regulations, statutory technical memorandums, codes of practice, rules, non-statutory guidance notes, schemes and abatement notices for the time being in force in Hong Kong including those relating to the environment and governing the control of any form of pollution (see specific Ordinances mentioned hereinbelow) and licensing requirements under relevant Ordinances and regulations.
  - (b) All information, mitigation measures, prohibitions, restrictions, recommendations and requirements under the Environmental Impact Assessment Report for Development of an EcoPark in Tuen Mun Area 38 with Appendices, i.e. the EIA Report (Register No.: AEIAR-086/2005) dated April 2005, the Final EM&A Manual dated April 2005, the application documents including all attachments (Application No. AEP-226/2005) and other relevant documents in the Register (or in any other places, any internet websites or by any other means as specified by the Director), including the prohibitions and mitigation measures for processes in Table 14.1 and the material throughputs, processes and remarks in Table B.1 of the EIA Report (in so far as applicable).
  - (c) All information, conditions, submissions, mitigation measures, orders, notices, requirements, prohibitions, restrictions and time limits under the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (including updated information about the Permit, any amended permit and any further permit) and all mitigation measures recommended and to be recommended in submissions that shall be deposited with or approved by the Director as a result of permit conditions contained in the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (including updated information about the Permit, any amended permit and any further permit). The Tenant shall refer to, inter alia, Conditions 4.1 to 4.14 (and Annexes A and B) and Conditions 3.7 and 3.8 (and Figures 2 and 3) of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 regarding measures to mitigate air quality impact, measures to mitigate hazard to life impact, measures to prevent land contamination, measures to mitigate landfill gas hazard, maintenance of landscape and visual measures (see also hereinbelow regarding Condition 5 of the Environmental Permit and specified Ordinances).
  - (d) All information, conditions, submissions, mitigation measures, orders, notices and requirements under ongoing surveillance and monitoring activities during all stages of the Project and during the tenancy under the Tenancy Agreement (e.g. any additional mitigation measures recommended and to be recommended under the Process Review and Design Audit (carried out and to be carried out in accordance with the EM&A Manual) for various environmental impacts including, but not limited to, noise pollution, air quality, hazard to life, landfill gas hazard, landscape and visual measures, waste management and land contamination).
  - (e) All recommendations referred to in the documents of the EIAO Register which are not expressly referred to in Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 and any amended Environmental Permit (unless expressly excluded or impliedly amended in the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 and any amended Environmental Permit).
- 9.2 Further to Condition Nos. 6 and 8 hereinabove, the Tenant shall at its own cost provide relevant environmental monitoring data, information, documents and assistance to the Director and/or the Environmental Protection Department and shall permit authorised representatives of the Environmental Protection Department to access, inspect, take samples and monitor the Premises and operations for the Process Review and the Design Audit carried out and/or to be carried out pursuant to Conditions 4.1 and 5 of the Environmental

- Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (and any updated Permit, amended permit and further permit).
- 9.3 If the Tenant’s operations (i.e. activities and facilities for recovery and/or recycling and/or reprocessing) are not covered by the EIA Report and/or deviate from the development parameters mentioned in inter alia the EIA Report, the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (including the parameters at Annex A) and/or any environmental licence (e.g. the Water Treatment Facility (“WTF”) Discharge Licence), and if additional mitigation measures are not available or are not effective in the opinion of the Director, to ensure compliance with the EIA Report, the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (including any updated Permit, amended permit and further permit) and the relevant environmental licence(s), the Tenant shall comply with any modified parameters and/or the Tenant shall immediately modify its operations in such a way that the findings and requirements of the EIA Report, the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (including any updated Permit, amended permit and further permit) and the environmental licence(s) are complied with and shall immediately cease to continue the offending part of the operations or activity in question.
- 9.4 The Tenant shall at its own cost(s) apply for, obtain, renew, maintain and comply with all the relevant licences related to compliance with all relevant Ordinances, by-laws, regulations, statutory technical memorandums, codes of practice, rules, non-statutory guidance notes, schemes, abatement notices and the environmental permits for the time being in force in Hong Kong (including those relating to the environment and governing the control of any form of pollution). The Tenant shall obtain, renew and comply with all the said licences within the relevant time limits (in any event, within one (1) calendar month of the date of signing and/or execution of the Tenancy Agreement), shall comply with all abatement notices, orders, directions and requests of the relevant authorities and public officers and shall be responsible for paying all relevant fees, costs, fines and penalties.
- 9.5 The Tenant shall not do anything or omit to do anything which would cause, contribute to or involve a breach or potential breach by the Director relating to any of the matters mentioned in Conditions 9.1 to 9.4 hereinabove (and other Conditions hereinbelow).
- 9.6 The Tenant shall fully indemnify the Government and/or the Director for any fees, costs, damages, expenses, fines, penalties, losses and claims arising (a) out of any breach of any of the matters mentioned in inter alia Conditions 9.1 to 9.4 hereinabove (and other Conditions hereinbelow) or (b) from the use of the Premises or (c) out of any works carried out at any time during the term to or at the Premises or (d) out of anything now or during the term attached to or projecting from the Premises or (e) from any neglect or default by the Tenant or by its respective servants or agents or by any express licensee of the Tenant.

## **SPECIFIC ENVIRONMENTAL RESPONSIBILITIES**

### Air Pollution

10. Save with an appropriate exemption under the Air Pollution Control Ordinance (Cap. 311 of the Laws of Hong Kong) any regulations made thereunder and any amending legislation, the Tenant shall not install or permit or suffer to be installed upon the Premises or any part thereof or any building(s) or structure(s) or part of any building(s) or structure(s) erected or to be erected thereon any furnace, oven, chimney or flue or any other combustion equipment or use or permit or suffer to be used any fuel or any method or process of manufacture or treatment that might in any circumstance result in, cause or contribute to the discharge or emission of any pollutant or any noxious, harmful or corrosive matter, whether it be in the form of gas, smoke, liquid, solid or otherwise (including but not limited to air pollutant as defined in Section 2 of the Air Pollution Control Ordinance (Cap. 311 of the Laws of Hong Kong)), which exists or which is imminent, without the prior written approval of the Director.
11. No alteration to the installation and method of manufacture shall be made without the prior written consent of the Director. In any event, the Tenant shall at its own cost(s) comply with, inter alia, Conditions 4.2 to 4.7 and Annex A of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 regarding

design, installation and operation of chimney, location of fresh air intakes and use of ultra-low sulphur or other cleaner fuel(s) as agreed by the Director (and the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate air quality impact), good practices and relevant provisions of the EIA Report and Final EM&A Manual.

#### Noise Pollution

12. The Tenant shall take all necessary measures as may be required by and to the satisfaction of the Director to ensure that the operation of all plant and equipment, installed or used on the Premises or in any building(s) or structure(s) or any part of any building(s) or structure(s) erected or to be erected thereon, will not result, not cause and/or will not contribute any noise (which exists or which is imminent) which disturbs or annoys the residents or occupiers of any adjoining or neighbouring lot or lots or premises, or causes and/or contributes to disturbance to the general public under the Noise Control Ordinance (Cap. 400 of the Laws of Hong Kong) any regulations made thereunder and any amending legislation.
13. The decision of the Director as to whether any such plant and equipment are causing disturbance or annoyance as aforesaid shall be final and binding on the Tenant.

#### Waste Management

14. The Tenant shall not permit, allow or suffer any fuel or chemical and any sewage, waste water or effluent containing sand, cement, silt or any suspended or dissolved material to flow, escape or run from the Premises onto any adjoining land or allow any waste matter which does not form part of the recovery and/or recycling and/or reprocessing operation or is not part of the final product of such operation to be deposited, kept, held or stored anywhere within the Premises and other areas of EcoPark. The Tenant shall at its own cost(s) have all such matters and all waste arising from recycling activities, chemical waste arising from maintenance of plant and equipment, sewage sludge (from WTF) and general daily waste from the operation removed from the Premises or any building(s) or structure(s) or any part of any building(s) or structure(s) erected or to be erected thereon in a proper manner to the satisfaction of the Director.
15. In any event, the Tenant shall at its own cost(s) comply with, inter alia, Conditions 4.11 and 4.12 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 regarding paving all areas of the Premises with concrete/using concrete hardstanding and siting all fuel tanks and chemical storage areas on the specified sealed areas, respectively (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to prevent land contamination). The Tenant shall at its own cost(s) comply with relevant provisions of the Waste Disposal Ordinance (Cap.354 of the Laws of Hong Kong) good practices and relevant provisions of the EIA Report and Final EM&A Manual.

#### Water Pollution

16. In the event that the Tenant produces, generates, permits, causes, allows or suffers any discharge which is subject to control under the Water Pollution Control Ordinance (Cap. 358 of the Laws of Hong Kong) any regulations made thereunder and any amending legislation, and is not covered by a WTF Discharge Licence issued under the Water Pollution Control Ordinance (Cap. 358 of the Laws of Hong Kong) the Tenant shall apply to the Director for a licence and comply with the terms and conditions stipulated in the licence and the WTF Discharge Licence at the Tenant's own cost(s). Otherwise, the Tenant is not allowed to discharge directly or indirectly or to produce, generate, permit, cause, allow or suffer any discharge into any public sewer, storm-water drain, channel, stream-course, sea or any area inside or outside the Premises any trade effluent or foul or contaminated water or cooling or hot water. Subject to the said licence from the Director and WTF Discharge Licence, the Tenant shall at its own cost(s) separate, collect, discharge and send all process or industrial wastewater to the WTF for treatment to the standard required for discharge into a sewer leading to the sewage treatment works at Pillar Point or other treatment works specified in the licence.
17. Subject to obtaining advance written approval of the Director, the Tenant shall at its own cost(s) provide, install, operate and maintain its own waste water pre-treatment plants within the Premises if such process or industrial wastewater could not meet the influent limits / exceeds the maximum influent criteria of the WTF (in accordance with paragraph 7.2.9 of the

Final E&MA Manual). The Tenant shall at its own cost(s) separate, collect, discharge and send all domestic wastewater (i.e. other than process or industrial wastewater) to the Pillar Point Sewage Treatment Works directly for treatment or other treatment works specified in the licence.

18. In any event, the Tenant shall prevent any spilled materials from entering the surface water drainage system and prevent contamination of the sea at its own cost(s) by, inter alia, providing, installing, operating and maintaining stop-logs or interceptors in the surface water drainage system and at the marine frontage area, respectively, or as required by the licence. The Tenant shall at its own cost comply with relevant provisions of the Dumping at Sea Ordinance (Cap 466 of the Laws of Hong Kong) good practices and relevant provisions of the EIA Report and Final EM&A Manual.

#### Hazard to Life Impact

19. To mitigate hazard to life impact, the Tenant shall comply with, inter alia, Conditions 4.8 to 4.10 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate hazard to life impact) and shall not:-
  - (a) Bring, keep, store or transport chlorine within the Premises and other areas of EcoPark;
  - (b) Bring, keep, store, locate or transport dangerous goods, substances and fuels supporting combustion including oxygen, acetylene, hydrogen peroxide, rubber tyres and diesel within 10 metres from the boundary of the site of EcoPark; and
  - (c) Exceed the building height restrictions for buildings on the Premises which are on/near the western boundary of the site of EcoPark as mentioned in Annex B to the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 (including any updated Permit, amended permit and further permit).

#### Landfill Gas Hazard

20. To mitigate landfill gas hazard, the Tenant shall at its own cost(s) comply with, inter alia, Condition 4.13 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 regarding raising clear of the ground all buildings and enclosed structures as specified in inter alia Condition 3.7 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate hazard to life impact).

#### Landscape and Visual Impacts

21. To mitigate landscape and visual impacts, the Tenant shall at its own cost(s) comply with, inter alia, Condition 4.14 of the Environmental Permit No. EP-226/2005 as amended by the Variation of Environmental Permit – Application No.VEP-221/2006 regarding maintaining landscape, planting, treatment and mitigation measures as specified in inter alia Condition 3.8 and Figure 3 (and comply with the conditions of any updated Permit, amended permit and further permit regarding measures to mitigate landscape and visual impacts).

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## APPENDIX 3

### Material and Waste Throughputs

### A3.1 YAN OI TONG LIMITED (P7)

Date	Waste Input (kg)	Product Output (kg)	Waste Disposal (kg)
	Waste Plastic	Processed Plastic (sorted/baled)	General Refuse
Apr-10 <sup>[Note 1]</sup>	80,878	44,790	14,849
May-10 <sup>[Note 1]</sup>	23,806	23,414	4,666
Jun-10 <sup>[Note 1]</sup>	91,852	22,366	7,321
Jul-10 <sup>[Note 1]</sup>	40,878	30,901	12,669
Aug-10	29,603	34,240	21,745
Sep-10	96,868	47,638	13,636
Oct-10	80,897	55,446	10,154

**Note:**

1. Updated throughout data as advised by Tenant after the corresponding Quarterly EM&A Report was submitted



## A3.2 SHIU WING STEEL LIMITED (EP08-03)

Date	Waste Input (kg)	Product Output (kg)			Waste Disposal (kg)
	Waste Metal / Steel Scrap / Construction Waste	Light Ferrous Scrap (Baled)	Heavy Ferrous Scrap (Sheared)	Total	Non-ferrous Scrap / General Refuse
Apr-10 <sup>[Note 1]</sup>	220,000	-	220,000	220,000	-
May-10	-	-	-	-	-
Jun-10	-	-	-	-	-
Jul-10	1,396,000	-	1,396,000	1,396,000	-
Aug-10	398,000	-	398,000	398,000	-
Sep-10	870,660	-	870,660	870,660	-
Oct-10	1,166,850	-	1,166,850	1,166,850	-

**Note:**

1. Updated throughout data as advised by Tenant after the corresponding Quarterly EM&A Report was submitted

### A3.3 CHAMPWAY TECHNOLOGY LIMITED (EP07-03)

Date	Waste Input (kg)			Product Output (kg)				Waste Disposal (kg)			
	Cooking Oil	Grease Trap Waste	Total	Treated Cooking Oil	Biodiesel	Glycerin	Total	Inorganic Waste	Organic Waste	Water Waste [Note 1]	Total
Oct-08	120,000	-	120,000	-	-	-	-	-	-	-	-
Nov-08	8,000	-	8,000	-	-	-	-	-	-	-	-
Dec-08	2,000	-	2,000	-	-	-	-	-	-	-	-
Jan-09 [Note 2]	93,454	-	93,454	86,912	-	-	86,912	-	4,673	1,869	6,542
Feb-09	86,855	-	86,855	80,775	-	-	80,775	-	4,343	1,737	6,080
Mar-09	88,883	-	88,883	82,661	-	-	82,661	-	4,444	1,778	6,222
Apr-09	82,530	-	82,530	76,753	-	-	76,753	-	4,127	1,650	5,777
May-09	91,022	-	91,022	84,650	-	-	84,650	-	4,551	1,820	6,371
Jun-09	114,143	-	114,143	106,153	-	-	106,153	-	5,707	2,283	7,990
Jul-09	106,287	-	106,287	98,847	-	-	98,847	-	5,314	2,126	7,440
Aug-09	115,096	58,190	173,286	161,156	-	-	161,156	-	8,664	3,466	12,130
Sep-09	125,091	41,950	167,041	155,348	-	-	155,348	-	8,352	3,341	11,693
Oct-09	145,139	324,800	469,939	437,043	-	-	437,043	-	23,497	9,399	32,896
Nov-09	111,053	215,600	326,653	303,787	-	-	303,787	-	16,333	6,533	22,866
Dec-09 [Note 2]	117,688	85,600	203,288	189,058	-	-	189,058	-	10,164	4,066	14,230
Jan-10	122,673	19,780	142,453	132,481	-	-	132,481	-	7,123	2,849	9,972
Feb-10	105,641	-	105,641	98,246	-	-	98,246	-	5,282	2,113	7,395
Mar-10	110,579	-	110,579	102,838	-	-	102,838	-	5,529	2,212	7,741
Apr-10	110,624	69,780	180,404	167,776	-	-	167,776	-	9,020	3,608	12,628
May-10	110,943	142,630	253,573	235,823	116,510	58,256	410,589	-	12,679	5,071	17,750
Jun-10	113,741	74,940	188,681	175,474	204,770	10,239	390,483	-	9,434	3,774	13,208
Jul-10	117,597	150,840	268,437	249,646	354,730	17,737	622,113	-	13,422	4,993	18,415
Aug-10	123,159	134,180	257,339	216,418	43,440	2,172	262,030	-	14,685	26,236	40,921

Date	Waste Input (kg)			Product Output (kg)				Waste Disposal (kg)			
	Cooking Oil	Grease Trap Waste	Total	Treated Cooking Oil	Biodiesel	Glycerin	Total	Inorganic Waste	Organic Waste	Water Waste [Note 1]	Total
Sep-10	107,014	145,980	252,994	235,285	374,180	18,709	628,174	-	12,650	5,060	17,710
Oct-10	96,075	231,380	327,455	304,533	125,380	6,269	436,182	-	16,373	6,549	22,922

**Notes:**

1. Water waste includes slurry and semi-solid waste and is disposed of at landfill
2. Updated throughout data as advised by Tenant after the corresponding Quarterly EM&A Reports were submitted

### A3.4 HONG KONG HUNG WAI WOODEN BOARD COMPANY (EP06-034)

Date	Waste Input (kg)	Product Output (kg)	Waste Disposal (kg)
	Waste Wood	Wooden Board	General Refuse
Jun-08	21,000	-	-
Jul-08	7,000	-	-
Aug-08	-	-	-
Sep-08	8,000	-	-
Oct-08	1,000	-	-
Nov-08	1,000	-	-
Dec-08	-	-	-
Jan-09	60	-	-
Feb-09	60	-	-
Mar-09	-	-	-
Apr-09	-	-	-
May-09	-	-	-
Jun-09	-	-	-
Jul-09	-	-	-
Aug-09	-	-	-
Sep-09	-	-	-
Oct-09	-	-	-
Nov-09	-	-	-
Dec-09	-	-	-
Jan-10	-	-	-
Feb-10	-	-	-
Mar-10	-	-	-
Apr-10	141,880	-	-
May-10	1,758,000	1,758,000	-

Date	Waste Input (kg)	Product Output (kg)	Waste Disposal (kg)
	Waste Wood	Wooden Board	General Refuse
Jun-10	1,000,000	1,000,000	-
Jul-10	90,000	90,000	-
Aug-10	204,000	204,000	-
Sep-10	264,500	264,500	-
Oct-10	365,120	365,120	-

## A3.5 LI TONG GROUP (EP07-02)

Date	Waste Input (kg)	Product Output (kg)			Waste Disposal (kg)
	WEEE	Metals (e.g. ferrous materials, aluminium)	Non-metals (e.g. fibres, plastics)	Total	General Refuse
Sep-10	8,103	430	3,085	3,515	-
Oct-10	35,672	3,548	8,919	12,467	-

## A3.6 ST. JAMES' SETTLEMENT (P5)

Date	Waste Input (kg)	Product Output (kg)					Waste Disposal (kg)
	WEEE	Repaired / Refurbished EEE	Reusable Parts	Metals (e.g. ferrous materials, aluminium)	Non-metals (e.g. fibres, plastics)	Total	General Refuse
Oct-10	3,500	190	-	-	-	190	-

## A3.7 HONG KONG TELFORD ENVIROTECH GROUP LIMITED (EP08-01)

Date	Waste Input (kg)	Product Output (kg) <sup>[Note 1]</sup>	Waste Disposal (kg) <sup>[Note 1]</sup>
	Waste Plastic	PO, PE, PET, PWC	General Refuse
Jul-09	20,000	-	-
Aug-09	-	-	-
Sep-09	-	-	-
Oct-09	-	-	-
Nov-09	-	-	-
Dec-09	-	-	-
Jan-10	-	-	-
Feb-10	-	-	-
Mar-10	-	-	-
Apr-10	-	-	-
May-10	2,600	-	-
Jun-10	5,300	-	-
Jul-10	13,000	-	-
Aug-10	13,000	-	-
Sep-10	-	-	-
Oct-10	9,700	-	-

**Note:**

1. Tenant has not yet commenced recycling process within the lot



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## APPENDIX 4

### Calibration Certificate of Infrared Gas Analyser

# FUGRO TECHNICAL SERVICES LIMITED

Materialab Division,  
Fugro Development Centre,  
5 Lok Yi Street, 17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : +852-2450 8233  
Fax : +852-2450 6138  
E-mail : matlab@fugro.com.hk  
Website : www.materialab.com.hk

## Materialab

### REPORT ON CALIBRATION OF INFRA RED GAS ANALYSER

Client : Fugro Technical Services Limited – Materialab Division

Sample description : One sample of Infra Red Gas Analyser (GA94A)

Sample identification : E / 084 / 1

Serial number : GA3385

Test required : Calibration

Date of calibration : 06/07/2010

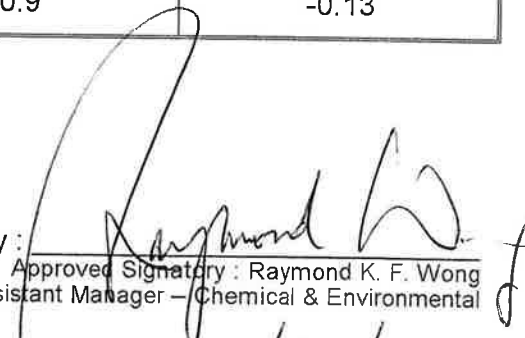
Next calibration date : 06/01/2011

Method used : In-house method (Comparison with Standard Gas)

#### Results :

Parameters	Standard Gas Concentration, % volume	Infra Red Gas Analyser Reading, % volume	Deviation, % volume
Methane (CH <sub>4</sub> )	1.02	1.0	-0.02
Carbon dioxide (CO <sub>2</sub> )	1.01	1.0	-0.01
Oxygen (O <sub>2</sub> )	1.03	0.9	-0.13

Calibrated by : C. F. Leung

Certified by :   
Approved Signatory : Raymond K. F. Wong  
Assistant Manager – Chemical & Environmental

Date : 06/07/2010

*Note : This report refers only to the sample(s) tested.*

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## APPENDIX 5

### Graphical Plots of LFG Monitoring

Contract No. EP/SP/53/06

Provision of Management Services for EcoPark in Tuen Mun Area 38

EM&A Services

Landfill Gas Monitoring Results - Oct 2010

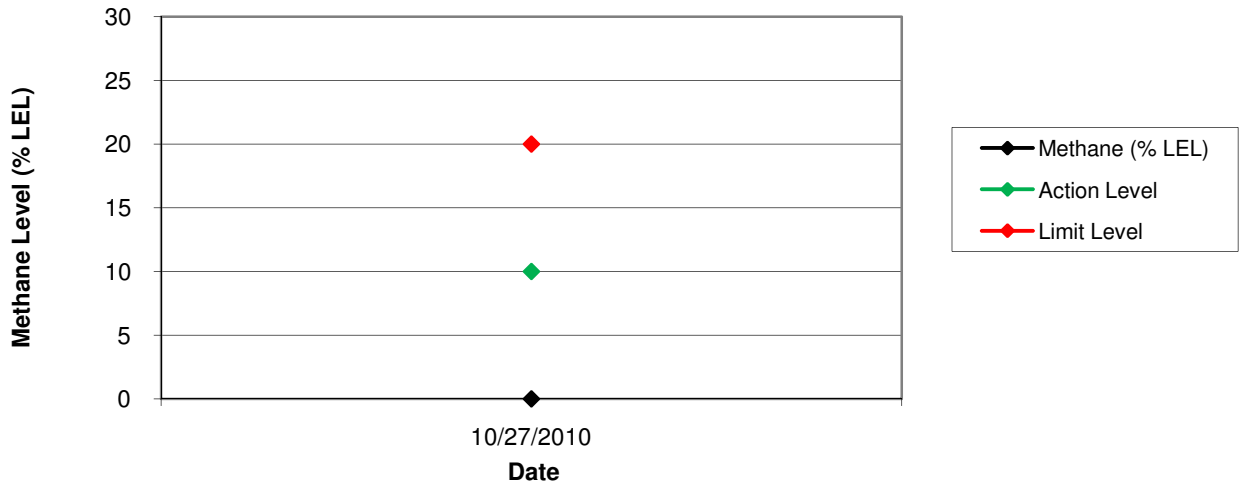
Monitoring Station ID	Monitoring Locations	Date	Weather Conditions	Temperature (degree)	Start Time	End Time	Measurement Results					Action Level			Limit Level			Remarks
							Methane		Oxygen	Carbon Dioxide	Barometric Pressure	Methane	Oxygen	Carbon Dioxide	Methane	Oxygen	Carbon Dioxide	
							% v/v	% LEL	% v/v	% v/v	mBar (absolute)	% LEL	% v/v	% v/v	% LEL	% v/v	% v/v	
EP1-1	Inside the landscaping area of Administration Building	27-Oct-10	Fine	21	09:40	09:45	0.0	0	21	0.0	1018	> 10	< 19	> 0.5	> 20	< 18	> 1.5	Nil
EP1-2	PCCW below-ground chamber outside Lot EP08-01				09:50	09:55	0.0	0	21	0.0	1018							Nil
EP1-3	HGC Broadband below-ground chamber outside Lot EP08-03				10:05	10:10	0.0	0	20	0.0	1019							Nil

Note:

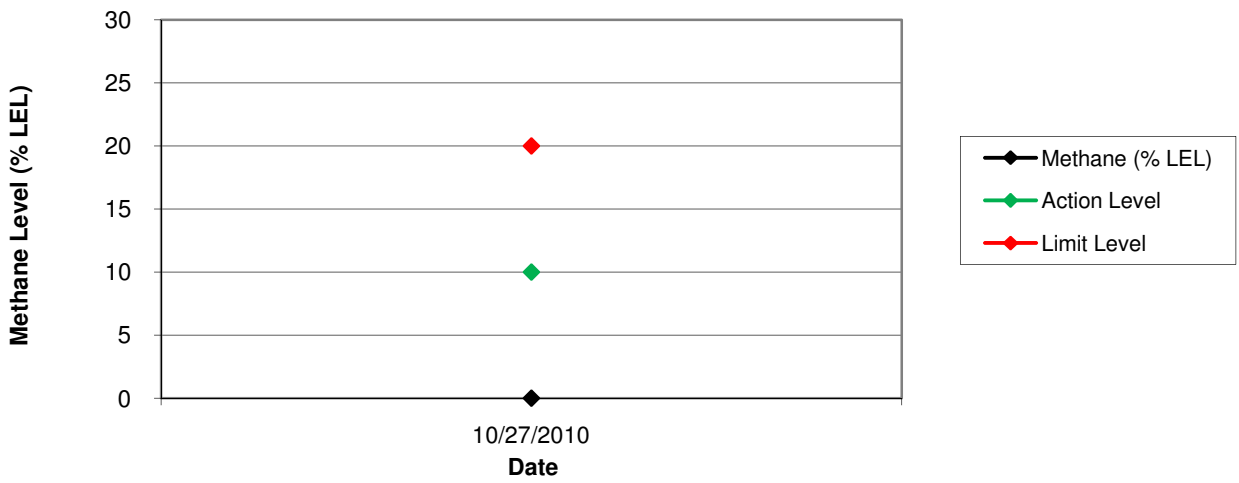
(1) Underlined figure indicates an exceedance of Action Level

(2) Shaded area indicates an exceedance of Limit Level

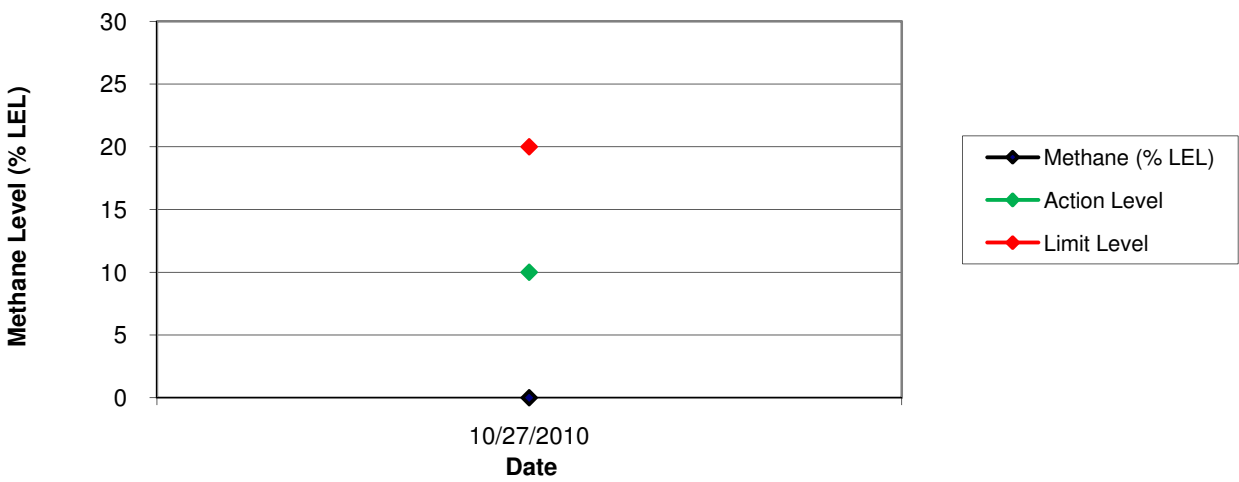
Measured Methane Level (% LEL) at EP1-1



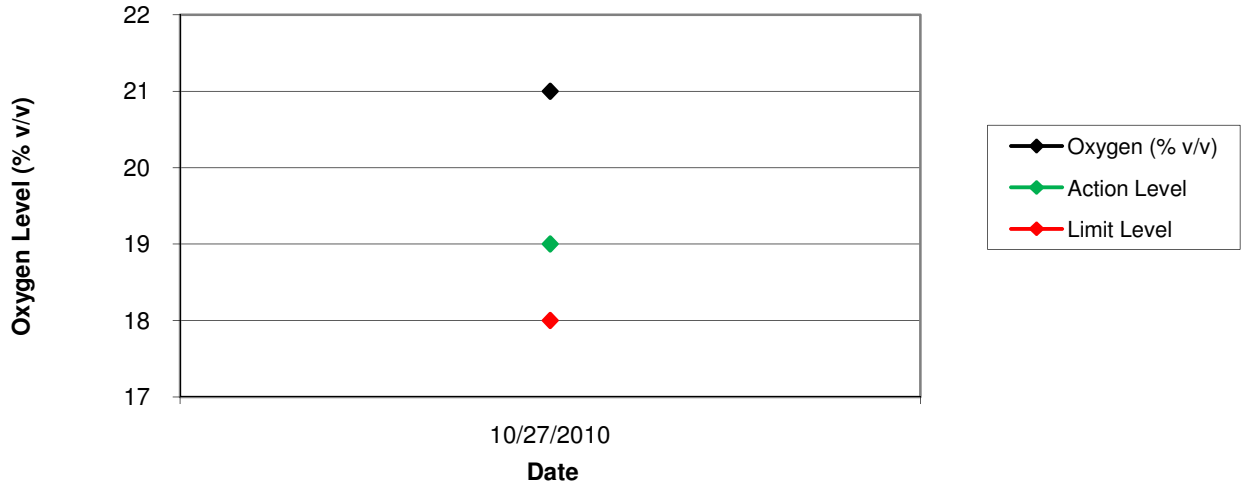
Measured Methane Level (% LEL) at EP1-2



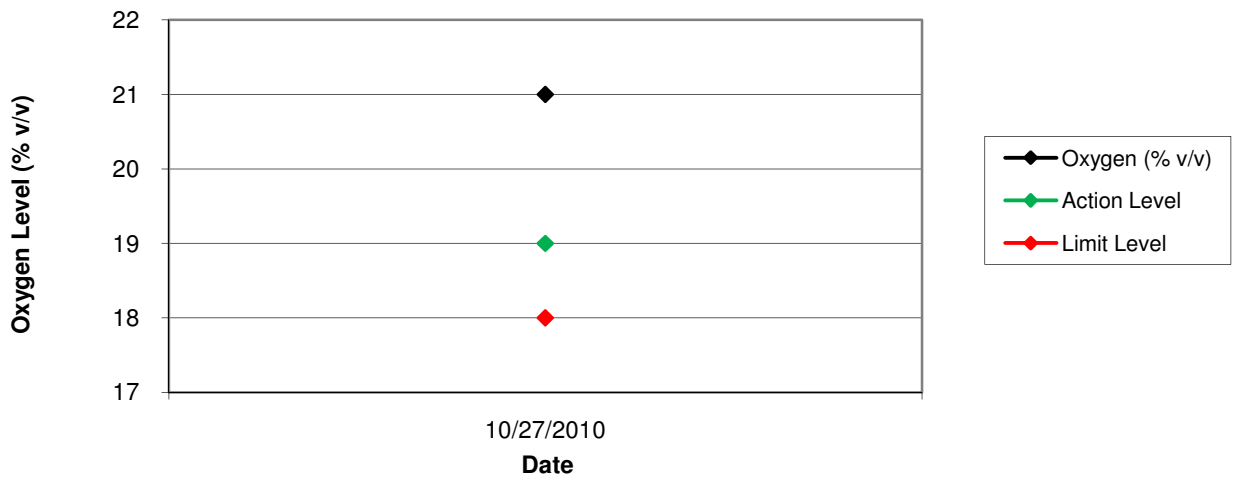
Measured Methane Level (% LEL) at EP1-3



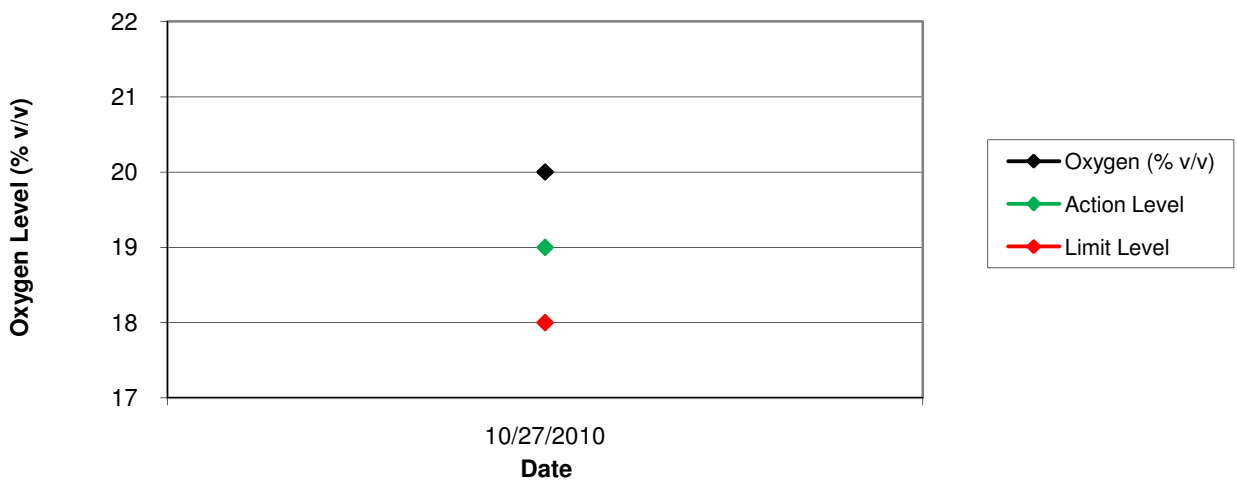
Measured Oxygen Level (% v/v) at EP1-1



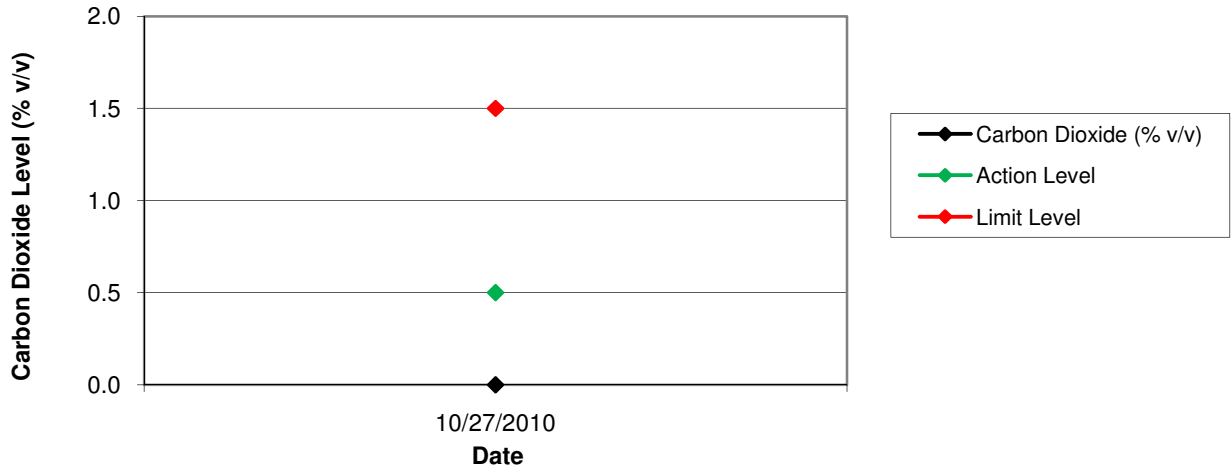
Measured Oxygen Level (% v/v) at EP1-2



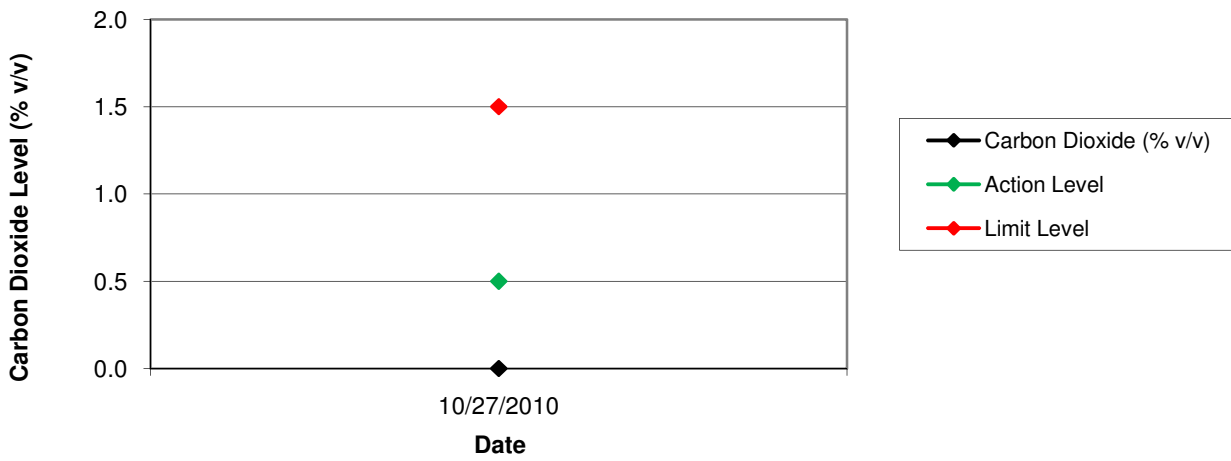
Measured Oxygen Level (% v/v) at EP1-3



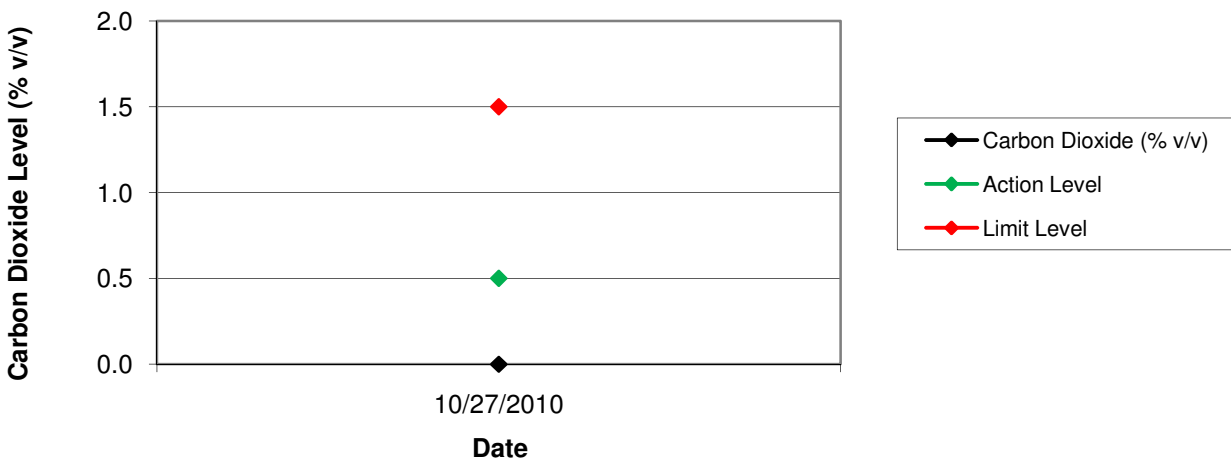
Measured Carbon Dioxide Level (% v/v) at EP1-1



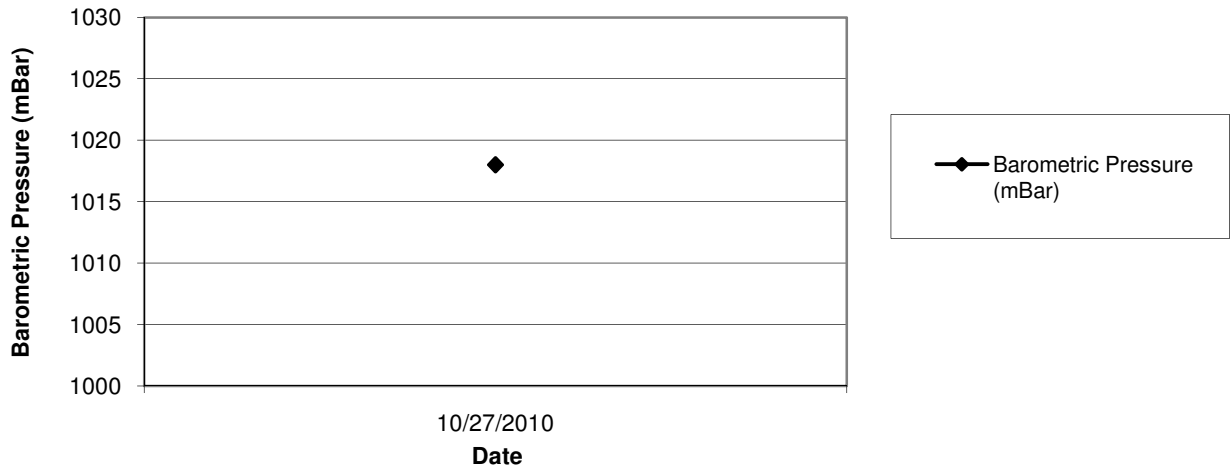
Measured Carbon Dioxide Level (% v/v) at EP1-2



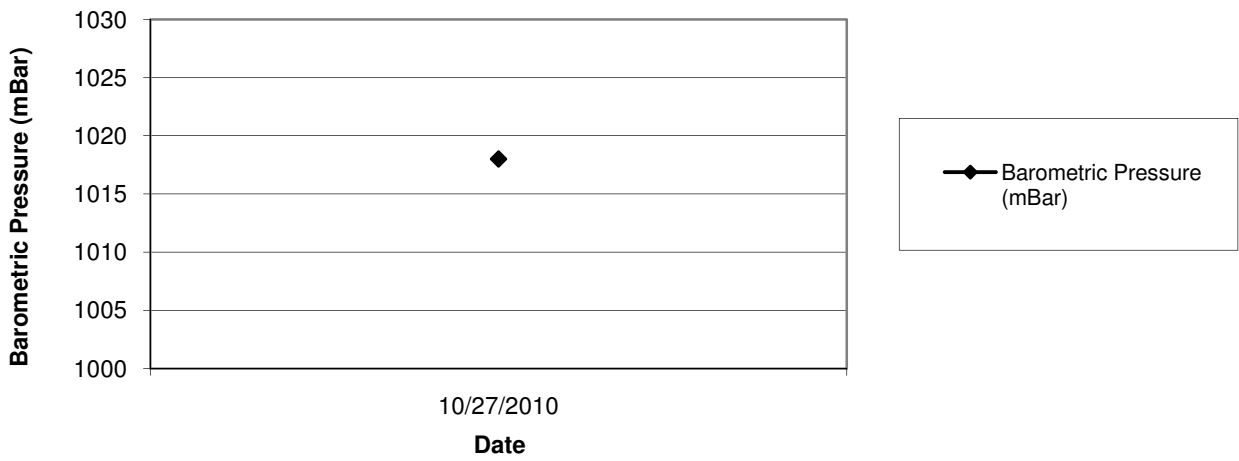
Measured Carbon Dioxide Level (% v/v) at EP1-3



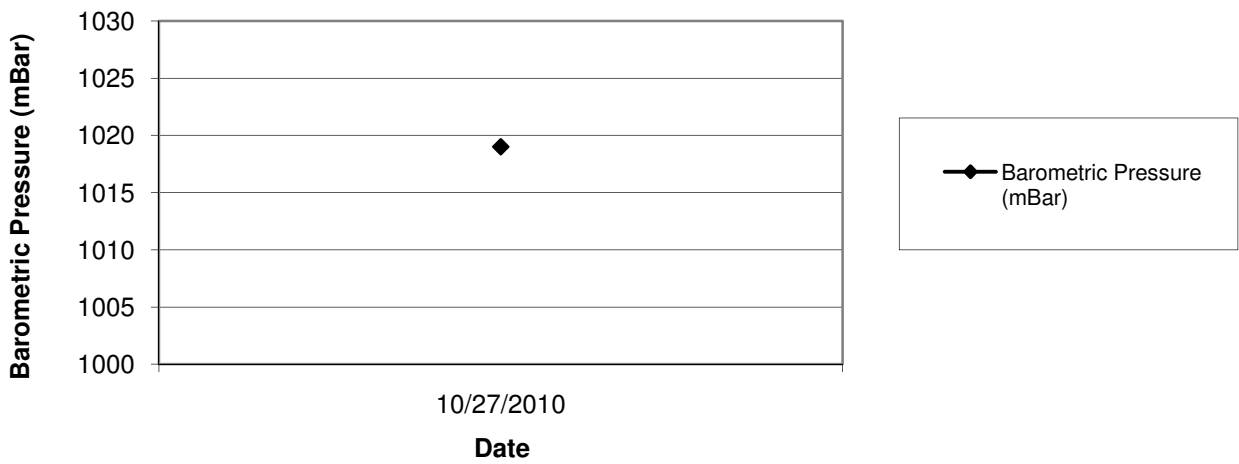
**Measured Barometric Pressure (mBar) at EP1-1**



**Measured Barometric Pressure (mBar) at EP1-2**



**Measured Barometric Pressure (mBar) at EP1-3**





## APPENDIX 6

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### Tenant-specific Audit Checklists for the Reporting Quarter

## **APPENDIX 6.1**

### Tenant-specific Audit Checklists for the Reporting Quarter

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Yan Oi Tong (P7)

### Audit Details

<b>Tenant</b>	Yan Oi Tong Limited		
<b>Audit Month</b>	August 2010		
<b>Lot No.</b>	P7		
<b>Audit Ref.</b>	4		
<b>Audit Date</b>	30 August 2010	<b>Time</b>	11:15am
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input type="checkbox"/> Fine	<input checked="" type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input checked="" type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	33 °C		
<b>Humidity</b>	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) displayed at the entrance of EcoPark. EP for tenant not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The Operator's Environmental Policy is documented.
1.3 Environmental Management Plan updated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's EMP is documented.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's ERP is documented.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant has included the WMP into the EMP.

## 2. Water Quality

	Description	Yes	No	N/A	Remarks
2.1	Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Licence No. WT00006013-2010 valid until 28 Feb 2015.
2.2	Any wastewater treatment facility prior to effluent discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	If yes, facility is properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	<b>Effluent Monitoring</b> a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	As per the discharge licence, self-monitoring shall be performed when required.
	b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
2.4	Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5	Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8	Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 2. Water Quality (continued)

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works for recycling were undertaken at covered areas.
2.9 a. Processes / activities are located under a covered area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stop-logs are not required for the lots of Phase 2.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water is unlikely to be contaminated within the lot.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Only grease is used at the lot.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ditto
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No odorous materials were found.
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ditto.
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no chimney installed on-site.
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Registration No. 9211-421-Y2453-03.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Twice a week.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical waste was produced.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction ( <i>if quantity &lt;50L</i> ) or drip trays capable of storing 110% of the volume of largest ( <i>if quantity &gt;50L</i> )?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The lot is within the LFG Consultation Zone and the Tenant has alerted workers/visitors about possible LFG hazards. A notice is also posted at the entrance.
5.1 a. Workers and visitors alerted to possible LGF hazards?				
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.3 Good housekeeping?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Most of the areas are concrete-paved.
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no dangerous goods stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?				
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**

- | No. | Action                                                                                                                                            | Expected By |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.  | Refuse was observed on the bare ground within the waste storage area same as the previous audit. The Tenant was reminded to improve housekeeping. | 17 Sep 2010 |






**Follow-up from Previous Audits**

- | No. | Follow-up from Previous Audit Dated 26 July 2010        | Status    |
|-----|---------------------------------------------------------|-----------|
| 1.  | Refuse inside stormwater drains was no longer observed. | Completed |

**Audit Summary and Sign-off**

No critical issues were identified, but the Tenant should improve the overall tidiness of the lot.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Yan Oi Tong	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	-	<b>Victor WANG</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	-	STO	Park Manager
<b>Signature</b>				

**Note:** \* IEC to sign-off only for a joint ET+IEC Inspection

### Audit Details

<b>Tenant</b>	Yan Oi Tong Limited		
<b>Date &amp; Time</b>	<b>Date</b> 29 September 2010	<b>Time</b> 11:15am	
<b>Lot No.</b>	P7		
<b>Audit Ref.</b>	2		
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input checked="" type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	31 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The Operator's Environmental Policy is documented.
1.3 Environmental Management Plan updated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's EMP is documented.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's ERP is documented.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant has included the WMP into the EMP.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Licence No. WT00006013-2010 valid until 28 Feb 2015.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Action #1.
<b>Effluent Monitoring</b>				
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	As per the discharge licence, self-monitoring shall be performed when required.
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
2.4 Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #2.

## 2. Water Quality (continued)

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works for recycling were undertaken at covered areas.
2.9 a. Processes / activities are located under a covered area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stop-logs are not required for the lots of Phase 2.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water is unlikely to be contaminated within the lot.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Only grease is used at the lot.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ditto
	<b>Odour</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Action #2.
3.2	a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Action #2.
	b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Action #2.
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no chimney installed on-site.
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Registration No. 9211-421-Y2453-03.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Twice a week.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical waste was produced.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>				
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The lot is within the LFG Consultation Zone and the Tenant has alerted workers/visitors about possible LFG hazards. A notice is also posted at the entrance.
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.3 Good housekeeping?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Follow Action #1.
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Most of the areas are concrete-paved.
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>				
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no dangerous goods stored on site.
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #2.

**Action Items from This Audit**

**No. Action** **Expected By**

1. Overflow was observed at the working area because of blockage of the wastewater treatment plant (WWTP) as advised by the Tenant. The Tenant should properly maintain the WWTP to avoid overflow.

15 Oct 2010



2. Stagnant water was found inside the manhole of the storm water drain. Odour was also noted which was considered to be arising from the stagnant water.

15 Oct 2010



In addition, soil and rubbish were found inside the U-channel adjacent to the WWTP. The Tenant should clean up the U-Channel.



**Follow-up from Previous Audits**

**No. Follow-up from Previous Audit Dated 30 August 2010**

**Status**

1. Refuse was observed on the bare ground within the waste storage area same as the previous audit. The Tenant was reminded to improve housekeeping.

Outstanding



**Audit Summary and Sign-off**

The Tenant should improve the overall tidiness of the lot and regularly maintain the WWTP and drainage system.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Yan Oi Tong	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	-	<b>Victor WANG</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	-	STO	Park Manager
<b>Signature</b>				

**Note:** \* IEC to sign-off only for a joint ET+IEC Inspection

### Audit Details

<b>Tenant</b>	Yan Oi Tong Limited		
<b>Date &amp; Time</b>	<b>Date</b> 27 October 2010	<b>Time</b> 11:40am	
<b>Lot No.</b>	P7		
<b>Audit Ref.</b>	3		
<b>IEC Joint Inspection</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input checked="" type="checkbox"/> Strong Wind
<b>Temperature</b>	23 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

	Description	Yes	No	N/A	Remarks
1.1	EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2	Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The Operator's Environmental Policy is documented.
1.3	Environmental Management Plan updated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's EMP is documented.
1.4	a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's ERP is documented.
	b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5	Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6	Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	Waste Management Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant has included the WMP into the EMP.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Licence No. WT00006013-2010 valid until 28 Feb 2015.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Follow-Up Action#2
<b>Effluent Monitoring</b>				
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	As per the discharge licence, self-monitoring shall be performed when required.
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
2.4 Surface run-off control measures in place and adequately maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#3.
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#3.
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action #3.

## 2. Water Quality (continued)

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works for recycling were undertaken at covered areas.
2.9 a. Processes / activities are located under a covered area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stop-logs are not required for the lots of Phase 2.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water is unlikely to be contaminated within the lot.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Only grease is used at the lot.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ditto
	<b>Odour</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#3.
3.2	a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#3.
	b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#3.
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no chimney installed on-site.
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Registration No. 9211-421-Y2453-03.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Twice a week.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical waste was produced.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The lot is within the LFG Consultation Zone and the Tenant has alerted workers/visitors about possible LFG hazards. A notice is also posted at the entrance.
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.3 Good housekeeping?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#1.
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Most of the areas used for recycling are concrete-paved.
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no dangerous goods stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action#3.

**Action Items from This Audit**

No.	Action	Expected By
1.	NIL.	NIL.

**Follow-up from Previous Audits**

No.	Follow-up from Previous Audits Dated 30 August 2010 & 29 September 2010	Status
1.	<p>Same as the previous audits, refuse was observed on the bare ground within the waste storage area. The Tenant was again reminded to improve housekeeping. It is suggested to concrete-pave the bare ground for the ease of housekeeping.</p> 	Outstanding
2.	<p>The wastewater treatment plant (WWTP) resumed normal operation, still overflow at the wastewater collection system of the working area was observed. Screening should be provided so as to avoid clogging.</p> 	Outstanding
3.	<p>Stagnant water and waste plastics were still found inside gully gratings of the site. Odour was again noted and considered to be arising from the stagnant water. It was suggested to install a screen such as silt curtain at the drain inlet to prevent unwanted materials entering the drains in order to prevent storm water pollution.</p> 	Outstanding


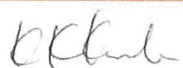
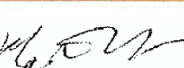

**Follow-up from Previous Audits**

In addition, soil and rubbish were still found inside the U-channel adjacent to the WWTP. The Tenant advised U-channels were cleaned after the last audit. The Tenant should regularly clean up U-channels. It is also suggested to provide covers to the U-channels.



**Audit Summary and Sign-off**

The Tenant should improve the overall tidiness of the lot and maintain the drainage system regularly.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Yan Oi Tong	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	<b>KK Kwok</b>	<b>Martin HUI</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	IEC Representative	Plant Manager	Park Manager
<b>Signature</b>				

Note: \* IEC to sign-off only for a joint ET+IEC Inspection

## **APPENDIX 6.2**

### Tenant-specific Audit Checklists for the Reporting Quarter

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**Shiu Wing (EP08-03)**



### Audit Details

<b>Tenant</b>	Shiu Wing Limited		
<b>Audit Month</b>	August 2010		
<b>Lot No.</b>	EP08-03		
<b>Audit Ref.</b>	2		
<b>Audit Date</b>	30 August 2010	<b>Time</b>	09:30am
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input type="checkbox"/> Fine	<input checked="" type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input checked="" type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	33 °C		
<b>Humidity</b>	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) displayed at the entrance of EcoPark. EP for tenant not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tenant is going to integrate the Environmental Policy into their Safety Operations Manual soon.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tenant is going to integrate the EMP into their Safety Operations Manual soon.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The ERP has been included in the Tenant's Safety Operations Manual.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant advised the training records were kept at their HR department.
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant keeps a training record for BPI.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented.

## 2. Water Quality

	Description	Yes	No	N/A	Remarks
2.1	Valid Effluent Discharge License available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No wastewater generated from the recycling process.
2.2	Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Effluent Monitoring</b>					
2.3	a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4	Surface run-off control measures in place and adequately maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.5	Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8	Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The stop-logs are temporarily kept by the Operator and they will be passed to the Tenant shortly.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No equipment oil and lubrication replacement were performed inside the tenant lot.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

Description	Yes	No	N/A	Remarks
3.1 a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2 a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3 All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site
<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4 a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5 Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6 Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Misting system and industrial dust collector are not yet installed.
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not yet installed.
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD informed the Tenant that their application for registering as a chemical waste producer has been received.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The collection frequency depends on the quantity of waste generated.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
<b>Labelling of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
<b>Storage of Liquid Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The lot is within the LFG Consultation Zone and the Tenant has alerted workers/visitors about possible LFG hazards. A notice is also posted at the entrance.
5.1 a. Workers and visitors alerted to possible LFG hazards?				
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Most of the areas are covered by metal plates.
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no DGs stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?				
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



**Action Items from This Audit**

- | No. | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Expected By |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.  | <p>The Tenant advised that chemical wastes would be transferred to the chemical waste store at the main Shui Wing plant near to EcoPark. In accordance with Section 21 of the Waste Disposal (Chemical Waste) (General) Regulation, chemical waste should only be removed or transported by an authorized collector from the site or premises. A fine of HK\$200,000 and imprisonment for 6 months could be caused for any illegal chemical waste collection under the Regulation.</p> | Next Audit  |

As such, the chemical wastes generated should only be collected by an authorized collector and a chemical waste store with proper design should be provided on-site.

- |    |                                                                                                                                                                                                                                                                                                                                                                         |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 2. | <p>Suspected Asbestos Containing Material (ACM) was identified on site – it appeared to be a brake shoe, part of a breaking mechanism on a crane. In accordance with Section 21 of the Waste Disposal (Chemical Waste) (General) Regulation, improper collection of ACM, which is a chemical waste, will incur a fine of HK\$200,000 and imprisonment for 6 months.</p> | 17 Sep 2010 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|

In order to avoid any breach of the regulation, the Tenant should sort such kind of materials out from the materials and engage a registered asbestos laboratory for testing the material. If the material is found to be an ACM, such material must be handled by a registered asbestos contractor. The Tenant should also ensure no suspected ACM will be received in the future.



**Follow-up from Previous Audits**

- | No. | Follow-up from Previous Audit Dated 26 July 2010                                                                                                                         | Status    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1.  | <p>No continuous oil spillage from the collected machines was found. Since the ground has been paved, the impact to soil due to the oil is considered to be minimal.</p> | Completed |



- |    |                                                |           |
|----|------------------------------------------------|-----------|
| 2. | <p>The oil drums were found to be covered.</p> | Completed |
|----|------------------------------------------------|-----------|



**Audit Summary and Sign-off**

The site is generally tidy and some actions were recommended to the Tenant.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Shiu Wing	Serco Guardian JV
<b>Signed By</b>	Antony WONG	-	Alex WAI	Morgan CHIU
<b>Role</b>	ET Leader	-	Manager	Park Manager
<b>Signature</b>				

Note: \* IEC to sign-off only for a joint ET+IEC Inspection

### Audit Details

<b>Tenant</b>	Shiu Wing Limited		
<b>Date &amp; Time</b>	<b>Date</b> 29 September 2010	<b>Time</b> 09:30am	
<b>Lot No.</b>	EP08-03		
<b>Audit Ref.</b>	2		
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	31 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tenant is going to integrate the Environmental Policy into their Safety Operations Manual soon.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tenant is going to integrate the EMP into their Safety Operations Manual soon.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The ERP has been included in the Tenant's Safety Operations Manual.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant advised the training records were kept at their HR department.
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant keeps a training record for BPI.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No wastewater is generated from the recycling process.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Effluent Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4 Surface run-off control measures in place and adequately maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No equipment oil and lubrication replacement were performed inside the tenant lot.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Misting system and industrial dust collector are not yet installed.
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not yet installed.
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Action #1.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The collection frequency depends on the quantity of waste generated.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow Action # 2.



**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Actions #1 & 2.
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.11 a. Storage area floor/surface permeation-proof?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The lot is within the LFG Consultation Zone and the Tenant has alerted workers/visitors about possible LFG hazards. A notice is also posted at the entrance.
5.1 a. Workers and visitors alerted to possible LFG hazards?				
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Most of the areas are covered by metal plates.
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Diesel storage was 400L which is within the exempted quantity of 2,500L.
5.6 a. Valid license for manufacturing / storing dangerous goods?				
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**


No.	Action	Expected By
1.	No new action item for this audit.	NIL

**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated 30 August 2010	Status
1.	The Tenant advised chemical waste would be collected by authorised chemical collector and a copy of the chemical waste registry would be provided for review in the next audit.	Next audit
2.	The suspected asbestos containing materials (ACM) were separately stored. The Tenant was reminded to engage a registered asbestos laboratory for testing the material. Further actions will be advised subject to the testing results.	Expected to be completed by 15 Oct 2010

**Audit Summary and Sign-off**

The site is generally tidy and the Tenant should engage a registered laboratory to test for the suspected asbestos containing material.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Shiu Wing	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	-	<b>Alex WAI</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	-	Manager	Park Manager
<b>Signature</b>				

**Note:** \* IEC to sign-off only for a joint ET+IEC Inspection

### Audit Details

**Tenant** Shiu Wing Steel Limited

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**Date & Time** **Date** 27 October 2010 **Time** 10:00am

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**Lot No.** EP08-03

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**Audit Ref.** 3

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**IEC Joint Inspection**  Yes  No

**Weather Conditions**  Fine  Hazy  Overcast  Rain

**Wind**  Calm  Light Breeze  Strong Wind

**Temperature** 21 °C

**Humidity**  Low  Medium  High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tenant is going to integrate the Environmental Policy into their Safety Operations Manual soon.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Tenant is going to integrate the EMP into their Safety Operations Manual soon.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The ERP has been included in the Tenant's Safety Operations Manual.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant advised the training records were kept at their HR department.
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant keeps a training record for BPI.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No wastewater is generated from the recycling process.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Effluent Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4 Surface run-off control measures in place and adequately maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No equipment oil and lubrication replacement were performed inside the tenant lot.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site.
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Misting system and industrial dust collector are not yet installed.
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not yet installed.
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Follow-up Action #1.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The collection frequency depends on the quantity of waste generated.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Action #2.

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Follow-up Actions #1 & 2.
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.11 a. Storage area floor/surface permeation-proof?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The lot is within the LFG Consultation Zone and the Tenant has alerted workers/visitors about possible LFG hazards. A notice is also posted at the entrance.
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Most of the areas are covered by metal plates.
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Diesel storage was 400L which is within the exempted quantity of 2,500L.
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**





No.	Action	Expected By
1.	No new action item for this audit.	NIL

**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated 30 August 2010	Status
1.	According to the Tenant, the chemical waste registry has already been obtained. A copy will be provided to the Operator for record.	Expected to be provided by 1 Nov 2010
2.	The Tenant has engaged a registered asbestos laboratory for testing the suspected asbestos containing materials (ACM), but the testing results are not yet received. Further actions will be advised subject to the testing results.	Expected to be completed by 15 Nov 2010

**Audit Summary and Sign-off**

The site is generally tidy. The Tenant should provide the chemical waste registry and the testing results of the suspected asbestos containing materials as soon as they are ready.

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Scott Wilson Ltd	Shiu Wing	Serco Guardian JV
Signed By	<b>Antony WONG</b>	<b>KK KWOK</b>	<b>Alex WAI</b>	<b>Morgan CHIU</b>
Role	ET Leader	IEC Representative	Manager	Park Manager
Signature				

Note: \* IEC to sign-off only for a joint ET+IEC Inspection

## **APPENDIX 6.3**

### Tenant-specific Audit Checklists for the Reporting Quarter

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## Champway (EP07-03)

### Audit Details

<b>Tenant</b>	Champway Technology Limited		
<b>Audit Month</b>	August 2010		
<b>Lot No.</b>	EP07-03		
<b>Audit Ref.</b>	10		
<b>Audit Date</b>	30 August 2010	<b>Time</b>	10:30am
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input type="checkbox"/> Fine	<input checked="" type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input checked="" type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	33 °C		
<b>Humidity</b>	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) displayed at the entrance of EcoPark. EP for tenant not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's Environmental Policy is documented. Tenant follows this.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.4 a. Emergency Response Plan (ERP) documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's ERP is documented. Tenant follows this.
b. Drill / training records available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tenant does not keep records for ERP training.
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tenant keeps a training record for BPI.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented. Tenant follows this.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Licence No.: WT00004430-2009.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Oil interceptor & grease trap.
If yes, facility is properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Effluent Monitoring</b>				
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	As per the discharge licence, self-monitoring shall be performed when required.
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
2.4 Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.9 a. Processes / activities are located under a covered area?				
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Oil replacement (of the heat (oil transmission system) carried out off-site when needed. This may be necessary only once every ten years or maybe not at all.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. If yes, oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Collected by licenced collector?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?				
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SP No. L-25-017 (1).
	b. SP License conditions / monitoring requirements met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<b>Odour</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From the storage of grease trap waste.
	c. Odorous materials are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site.
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust monitoring not required according to PRC.
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Used by all diesel vehicles, fork-lift truck and emergency generator.

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Registration No. 6311-421-C3617-01 for spent lubricating oil and spent mineral oil.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2-3 times a week.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Container properly closed or sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No spillage.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.

**4. Waste / Chemical Management (continued)**

Description		Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>					
4.9	a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
	b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
	c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
	d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
	e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
	f. Adequacy of area ventilation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action #1.
	g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10	Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No collection.
<b>Storage of Liquid Waste</b>					
4.11	a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
	b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
	c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.

**5. Other Issues**

	Description	Yes	No	N/A	Remarks
	<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
5.1	a. Workers and visitors alerted to possible LFG hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Smoking and open fires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.2	Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3	Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Follow-up #1 and #2.
5.4	Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5	Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No monitoring equipment.
	<b>Dangerous Goods</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DG licences for storing sulphuric acid, methanol and fatty acid methyl esters (FAME) obtained (Nos. 021229, 021228 & 021227, and 021225 & 021226). DG licence for manufacturing FAME obtained (No. 001456).
5.6	a. Valid license for manufacturing / storing dangerous goods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	b. Storage area in compliance with the approved plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	c. Storage area(s) has been securely locked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	d. Total storage capacity in compliance with the relevant statutory requirement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	e. Proper Labelling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	f. Dangerous goods properly packaged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.7	Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**

- | No. | Action                                                                                                                                                                                          | Expected By |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.  | A drum was found to be placed on a bare ground outside the laboratory. The Tenant advised the spent solvent generated from the laboratory was stored in the drum which will be recovered later. | 17 Sep 2010 |

The Tenant should properly store and labelled the spent solvent, put the container at a safe area instead of a bare ground outside the laboratory.



- |    |                                                                                                                                                                         |             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 2. | The tenant was recommended to provide a bigger drip tray or to hang the rubber tube of the oil filling station above the drip tray to avoid oil dripping on the ground. | 17 Sep 2010 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|



**Follow-up from Previous Audits**

**No. Follow-up from Previous Audit Dated 26 July 2010**

**Status**

1. Significant oil stain was not observed.

Completed



2. No significant oil stain or uncovered waste cooking oil buckets at the reserved area for EcoPark's Wastewater Treatment Plant (WWTP) were observed.

Completed



3. As advised by the tenant, stagnant water observed in the last audit had been removed. The tenant was reminded to remove the stagnant water newly observed at the reserved area for EcoPark's Wastewater Treatment Plant (WWTP).

Completed



**Audit Summary and Sign-off**

The site is generally tidy and some actions were recommended to the Tenant.

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	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Champway	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	-	<b>Gloria CHAN</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	-	Assistant Procurement Officer	Park Manager
<b>Signature</b>				

**Note:** \* IEC to sign-off only for a joint ET+IEC Inspection

### Audit Details

<b>Tenant</b>	Champway Technology Limited		
<b>Date &amp; Time</b>	<b>Date</b> 29 September 2010	<b>Time</b> 10:30am	
<b>Lot No.</b>	EP07-03		
<b>Audit Ref.</b>	2		
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	32 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's Environmental Policy is documented. Tenant follows this.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.4 a. Emergency Response Plan (ERP) documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's ERP is documented. Tenant follows this.
b. Drill / training records available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tenant does not keep records for ERP training.
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tenant keeps a training record for BPI.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented. Tenant follows this.



## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Licence No.: WT00004430-2009.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Oil interceptor & grease trap.
If yes, facility is properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Effluent Monitoring</b>				
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	As per the discharge licence, self-monitoring shall be performed when required.
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
2.4 Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.9 a. Processes / activities are located under a covered area?				
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Oil replacement (of the heat (oil transmission system) carried out off-site when needed. This may be necessary only once every ten years or maybe not at all.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. If yes, oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Collected by licenced collector?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?				
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SP No. L-25-017 (1).
	b. SP License conditions / monitoring requirements met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<b>Odour</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From the storage of grease trap waste.
	c. Odorous materials are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site.
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust monitoring is not required according to PRC.
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Used by all diesel vehicles, fork-lift truck and emergency generator.

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Registration No. 6311-421-C3617-01 for spent lubricating oil and spent mineral oil.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2-3 times a week.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Container properly closed or sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No spillage.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Label is in proper dimension and bilingual?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Information is accurate and sufficient?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No collection.
<b>Storage of Liquid Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.



**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Smoking and open fires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No monitoring equipment.
<b>Dangerous Goods</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DG licences for storing sulphuric acid, methanol and fatty acid methyl esters (FAME) obtained (Nos. 021229, 021228 & 021227, and 021225 & 021226). DG licence for manufacturing FAME obtained (No. 001456).
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
e. Proper Labelling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
f. Dangerous goods properly packaged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**

No.	Action	Expected By
1.	NIL.	NIL

**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated 30 August 2010	Status
1.	Chemical waste containers were not observed. 	Completed
2.	The rubber tube of the oil filling station was hung above the drip tray. 	Completed

**Audit Summary and Sign-off**

The site is generally tidy.

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	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Champway	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	-	<b>Gloria CHAN</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	-	Assistant Procurement Officer	Park Manager
<b>Signature</b>				

**Note:** \* IEC to sign-off only for a joint ET+IEC Inspection



### Audit Details

<b>Tenant</b>	Champway Technology Ltd		
<b>Date &amp; Time</b>	<b>Date</b> 27 October 2010	<b>Time</b> 11:00am	
<b>Lot No.</b>	EP07-03		
<b>Audit Ref.</b>	3		
<b>IEC Joint Inspection</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input checked="" type="checkbox"/> Strong Wind
<b>Temperature</b>	22 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's Environmental Policy is documented. Tenant follows this.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.4 a. Emergency Response Plan (ERP) documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's ERP is documented. Tenant follows this.
b. Drill / training records available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tenant does not keep records for ERP training.
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tenant keeps a training record for BPI.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented. Tenant follows this.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Licence No.: WT00004430-2009.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Oil interceptor & grease trap.
If yes, facility is properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Effluent Monitoring</b>				
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	As per the discharge licence, self-monitoring shall be performed when required.
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No sampling was undertaken.
2.4 Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 2. Water Quality (continued)

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.9 a. Processes / activities are located under a covered area?				
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Oil replacement (of the heat (oil) transmission system) is carried out off-site when needed. This may be necessary only once every ten years or maybe not at all.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. If yes, oil and grease removed regularly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Collected by licenced collector?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?				
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SP No. L-25-017 (1).
	b. SP License conditions / monitoring requirements met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The monitoring result indicates very low methanol emission from the facilities.
	<b>Odour</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From the storage of grease trap waste.
	c. Odorous materials are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No dusty materials were found to be used on-site.
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust monitoring is not required according to PRC.
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Used by all diesel vehicles, fork-lift truck and emergency generator.

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Registration No. 6311-421-C3617-01 for spent lubricating oil and spent mineral oil.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2-3 times a week.
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Container properly closed or sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No spillage.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Label is in proper dimension and bilingual?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Information is accurate and sufficient?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No collection.
<b>Storage of Liquid Waste</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No bulk storage.

### 5. Other Issues

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
5.1 a. Workers and visitors alerted to possible LGF hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Smoking and open fires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No monitoring equipment.
<b>Dangerous Goods</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DG licences for storing methanol, sulphuric acid and fatty acid methyl esters (FAME) obtained (Nos. 021229, 021228 & 021227, and 021225 & 021226). DG licence for manufacturing FAME obtained (No. 001456).
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
e. Proper Labelling?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
f. Dangerous goods properly packaged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



**Action Items from This Audit**

- | No. | Action                                                                                                                                 | Expected By |
|-----|----------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.  | Chemical drums were placed on bare ground outside the laboratory. The Tenant was reminded to place chemicals in a proper storage area. | 1 Nov 2010  |



- |    |                                                                                                                                                                              |            |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 2. | Oil stain was found at the reserved area for EcoPark's Wastewater Treatment Plant (WWTP). The Tenant was reminded to remove the oil stain and dispose of the waste properly. | 8 Nov 2010 |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|







**Follow-up from Previous Audits**

- | No. | Follow-up from Previous Audit Dated 29 September 2010 | Status |
|-----|-------------------------------------------------------|--------|
| 1.  | NIL.                                                  | NIL.   |

**Audit Summary and Sign-off**

The site is generally tidy.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Champway	Sero Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	<b>KK KWOK</b>	<b>Gloria CHAN</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	IEC Representative	Assistant Procurement Officer	Park Manager
<b>Signature</b>				

Note: \* IEC to sign-off only for a joint ET+IEC inspection

## **APPENDIX 6.4**

### Tenant-specific Audit Checklists for the Reporting Quarter

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**Hung Wai (EP06-034)**

### Audit Details

<b>Tenant</b>	Hong Kong Hung Wai Wooden Board Company		
<b>Date &amp; Time</b>	<b>Date</b> 29 September 2010	<b>Time</b> 10:00	
<b>Lot No.</b>	EP06-034		
<b>Audit Ref.</b>	1		
<b>IEC Joint Inspection</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	32 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's Environmental Policy is documented. Tenant follows this.
1.3 Environmental Management Plan updated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.4 a. Emergency Response Plan (ERP) documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's ERP is documented. Tenant follows this.
b. Drill / training records available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	To be checked with the tenant.
1.5 Employee's training record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	To be checked with the tenant.
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented. Tenant follows this.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not required
2.2 Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Effluent Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4 Surface run-off control measures in place and adequately maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?				
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?				
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The shredding process is carried out under a sheltered area.
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not required.
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	To be checked with the tenant.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.



**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>				
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>				
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Smoking and open fires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no DGs stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**

No.	Action	Expected By
1.	No critical issues were identified.	NIL






**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated [Month Year]	Status
1.	NIL	NIL

**Audit Summary and Sign-off**

No critical issues were identified and the presence of chemical waste is being checked.

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Scott Wilson Ltd	Hung Wai	Serco Guardian JV
Signed By	Antony WONG	-	Mr Cheung	Morgan CHIU
Role	ET Leader	-	Representative	Park Manager
Signature				

Note: \* IEC to sign-off only for a joint ET+IEC Inspection



### Audit Details

<b>Tenant</b>	Hong Kong Hung Wai Wooden Board Company		
<b>Date &amp; Time</b>	<b>Date</b> 27 October 2010	<b>Time</b> 10:30am	
<b>Lot No.</b>	EP06-034		
<b>Audit Ref.</b>	2		
<b>IEC Joint Inspection</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input checked="" type="checkbox"/> Strong Wind
<b>Temperature</b>	21 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

	Description	Yes	No	N/A	Remarks
1.1	EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2	Environmental Policy documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's Environmental Policy is documented. Tenant follows this.
1.3	Environmental Management Plan updated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1.4	a. Emergency Response Plan (ERP) documented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's ERP is documented. Tenant follows this.
	b. Drill / training records available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Training has been provided but the records are not available.
1.5	Employee's training record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Training has been provided but the records are not available.
1.6	Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	Waste Management Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operator's WMP is documented. Tenant follows this.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not required
2.2 Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Effluent Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4 Surface run-off control measures in place and adequately maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant has provided wooden plates covering the U-channel for the ease of clearing debris.
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant advised the U-Channel was regularly cleared.

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?				
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The stop-logs have been passed to Tenant, who shall install in the perimeter drainage channel as and when necessary.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?				
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Action#1.
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not required.
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no chimney installed on-site.
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>				
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>				
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Smoking and open fires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no DGs stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**

No.	Action	Expected By
1.	Although the shredding process was carried out under a sheltered area, fugitive dust mainly arising from packaging of shredded wood chips was observed. The Tenant was suggested to minimize the gap between the outlet and packaging bags.	1 Nov 2010

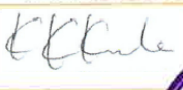


**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated 29 September 2010	Status
1.	NIL.	NIL.

**Audit Summary and Sign-off**

Tenant should implement various measures to prevent the generation of dust plume.

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Scott Wilson Ltd	Hung Wai	Serco Guardian JV
Signed By	Antony WONG	KK KWOK	Mr. CHEUNG	Morgan CHIU
Role	ET Leader	IEC Representative	Representative	Park Manager
Signature				

Note: \* IEC to sign-off only for a joint ET + IEC Inspection



## **APPENDIX 6.5**

### Tenant-specific Audit Checklists for the Reporting Quarter

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Li Tong (EP07-02)

### Audit Details

<b>Tenant</b>	Li Tong Group		
<b>Date &amp; Time</b>	<b>Date</b> 27 October 2010	<b>Time</b> 11:15am	
<b>Lot No.</b>	EP07-02		
<b>Audit Ref.</b>	1		
<b>IEC Joint Inspection</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input checked="" type="checkbox"/> Strong Wind
<b>Temperature</b>	23 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's Environmental Policy is documented.
1.3 Environmental Management Plan updated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's EMP is documented.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's ERP is documented.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's WMP is documented.

## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Although domestic sewage is the only source of wastewater on site, the Tenant has made an application of the Effluent Discharge Licence.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A chemical/container toilet is maintained on a monthly basis.
<b>Effluent Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4 Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	To be checked by the Operator.
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no chimney installed on-site.
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Application is pending.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>				
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>				
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
5.1 a. Workers and visitors alerted to possible LFG hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Smoking and open fires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no DGs stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Action Items from This Audit**

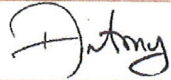
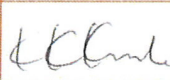


No.	Action	Expected By
1.	No critical issues were identified.	NIL.

**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated [Month Year]	Status
1.	NIL.	NIL.

**Audit Summary and Sign-off**

The site was generally tidy.

	ET	IEC*	Tenant	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Li Tong	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	<b>KK KWOK</b>	<b>Mr. SO</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	IEC Representative	Supervisor	Park Manager
<b>Signature</b>				

Note: \* IEC to sign-off only for a joint ET+IEC inspection

## **APPENDIX 6.6**

### Tenant-specific Audit Checklists for the Reporting Quarter

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#### St. James' (P5)

### Audit Details

<b>Tenant</b>	St. James Settlement		
<b>Date &amp; Time</b>	<b>Date</b> 27 October 2010	<b>Time</b> 12:00noon	
<b>Lot No.</b>	P5		
<b>Audit Ref.</b>	1		
<b>IEC Joint Inspection</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input checked="" type="checkbox"/> Strong Wind
<b>Temperature</b>	23 °C		
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

### 1. General

Description	Yes	No	N/A	Remarks
1.1 EP for Tenant displayed on notice boards / at entrance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EP for EcoPark (EP-226/2005/A) is displayed at the entrance of EcoPark. EP for tenant is not required.
1.2 Environmental Policy documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Operator's Environmental Policy is documented. Tenant follows this.
1.3 Environmental Management Plan updated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's EMP is documented.
1.4 a. Emergency Response Plan (ERP) documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's ERP is documented.
b. Drill / training records available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5 Employee's training record available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6 Any record of prosecution / complaint?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7 Waste Management Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant's WMP is documented.



## 2. Water Quality

Description	Yes	No	N/A	Remarks
2.1 Valid Effluent Discharge License available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water for testing washing machines is the only source of wastewater on site.
2.2 Any wastewater treatment facility prior to effluent discharge?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, facility is properly maintained and function normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Effluent Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.3 a. Sampling / Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Monitoring frequency met the license requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.4 Surface run-off control measures in place and adequately maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5 Surface run-off discharging into drainage system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6 All manholes are covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7 Foam, oil, grease, litter or other objectionable matters in water of nearby drain / sewer are avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8 Drainage system is well maintained to prevent flooding and overflow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**2. Water Quality (continued)**

Description	Yes	No	N/A	Remarks
<b>Processes with high Risk of Contamination</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The risk of contamination for the recycling process is low.
2.9 a. Processes / activities are located under a covered area?				
b. Stop-logs installed in the perimeter drainage system for uncovered areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stop-logs are not required for the lots of Phase 2.
c. Contaminated water collected in the surface drainage systems is treated at water treatment facility / other appropriate treatment facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No contaminated water was found.
2.10 Equipment oil and lubrication replacements are performed only in bunded maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not observed.
2.11 a. Oil interceptor provided for drainage discharging from maintenance area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
b. If yes, oil and grease removed regularly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Collected by licenced collector?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Cargo Handling</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
2.12 a. Cargo Handling Guideline available and followed to minimise chance of accidental spillage when loading or unloading?				
b. Materials and bulk cargo are properly packed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 3. Air Quality

	Description	Yes	No	N/A	Remarks
3.1	a. Valid Specified Process License for all specified process available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
	b. SP License conditions / monitoring requirements met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Odour</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	a. Any odour detected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. If yes, can the source be identified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Odorous materials are covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If odour control system is installed, is it operating normally?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.3	All dusty materials are sprayed with water or covered by impervious sheeting prior to any loading, unloading or transfer operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<b>Dust Monitoring</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required.
3.4	a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	b. Monitoring frequency met the requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	c. Any exceedance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	d. If yes, follow-up action taken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.5	Enclosures are provided around the main dust-generating activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.6	Open burning is avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### 3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Dark smoke emitted from chimney or powered plant is avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no chimney installed on-site.
3.8 Vehicles and equipment are switched off while not in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9 Approval certificate issued by the Authority is available for furnace, oven or chimney consuming:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour				
b. >35kg of conventional solid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. >1,150 MJ of any gaseous fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.10 Approval from Authority is available for the use of liquid fuel with a viscosity point of ignition >30 centistokes or an equivalent viscosity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.11 Dust collected by any air pollution control equipment installed by tenants must be tested to ensure compliance for landfill disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3.12 a. Approval from Authority for the use of controlled refrigerant?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	To be checked in the next audit.
b. If yes, record of refrigeration equipment service available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	To be checked in the next audit.
3.13 All air pollution control systems are properly maintained and function normally?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14 Only Ultra-Low Sulphur Diesel is used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 4. Waste / Chemical Management

Description	Yes	No	N/A	Remarks
4.1 Chemical Waste Producer Registration completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Tenant will provide details about the registration.
4.2 Provision of sufficient waste disposal points/ receptacles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3 Waste disposed of regularly and properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4 Sorting of materials on-site for reuse or disposal to designated outlet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5 Record of quantities of waste generated, recycled and disposed properly kept and easily retrieved for inspection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6 Sludge is collected by a licensed collector at regular intervals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Packaging of Chemical Waste</b>				
4.7 a. Stored in suitable container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Container properly closed or sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Spillage cleaned up immediately through the use of an absorbent?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
d. Approval obtained for capacity of containers > 450L?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
<b>Labelling of Chemical Waste</b>				
4.8 a. Label is securely attached, clean and visible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
b. Label is in proper dimension and bilingual?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.
c. Information is accurate and sufficient?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No chemical wastes were observed.

**4. Waste / Chemical Management (continued)**

Description	Yes	No	N/A	Remarks
<b>Storage of Chemical Waste</b>				
4.9 a. Proper "Chemical Waste" signs are displayed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Incompatible wastes separated by an impermeable partition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Containers kept in receptacle of suitable material and construction (if quantity <50L) or drip trays capable of storing 110% of the volume of largest (if quantity >50L)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Enclosed on 3 sides with no less than 2m in height or height of tallest container or stack of containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Containers with chemical waste are properly stored and locked at designated area which is clean and dry?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Adequacy of area ventilation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Outdoors storage area should be covered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.10 Chemical wastes are collected by a licensed chemical waste collector? (retention of trip ticket copies for 12 months)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Storage of Liquid Waste</b>				
4.11 a. Storage area floor/surface permeation-proof?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Capacity of retention structure sufficient to accommodate contents of the largest container or 20% volume of waste in storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Walls or partitions of stacked container storage area constructed of impermeable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

**5. Other Issues**

Description	Yes	No	N/A	Remarks
<b>Landfill Gas Hazard (within LFG Consultation Zone)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The lot is inside the LFG Consultation Zone. Advice on the possible LFG hazards shall be provided to the Tenant.
5.1 a. Workers and visitors alerted to possible LFG hazards?				
b. Smoking and open fires prohibited?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2 Security lighting directed downward into the work areas to prevent glare to the surrounding receivers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.3 Good housekeeping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4 Any areas within the lot to be used for recycling processes are concrete paved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5 Valid calibration certificate for any monitoring equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Dangerous Goods</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There were no DGs stored on site.
5.6 a. Valid license for manufacturing / storing dangerous goods?				
b. Storage area in compliance with the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Storage area(s) has been securely locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Total storage capacity in compliance with the relevant statutory requirement?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Proper Labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. Dangerous goods properly packaged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5.7 Potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



**Action Items from This Audit**

No.	Action	Expected By
1.	No critical issues were identified.	NIL.

**Follow-up from Previous Audits**

No.	Follow-up from Previous Audit Dated [Month Year]	Status
1.	NIL.	NIL.

**Audit Summary and Sign-off**

The site was generally tidy.

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Scott Wilson Ltd	St. James	Serco Guardian JV
Signed By	Antony WONG	KK KWOK	Mr. Alex TAM	Morgan CHIU
Role	ET Leader	IEC Representative	Manager	Park Manager
Signature			 PP. Assets Manager Mr. Alex Tam	

Note: \* IEC to sign-off only for a joint ET+IEC Inspection



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## APPENDIX 7

### General EcoPark Checklists for the Reporting Quarter

### Audit Details

<b>Audit Month</b>	August 2010		
<b>Audit Date</b>	30 Aug 2010	<b>Time</b>	09:00am to 12noon
<b>Weather Conditions</b>	<input type="checkbox"/> Fine	<input checked="" type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
<b>Wind</b>	<input checked="" type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
<b>Temperature</b>	33 °C		
<b>Humidity</b>	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> High

### Action Items from This Audit

ID	ET Findings / Recommendations	Operator /Tenant Follow-up Action
1.	<p><b>Hong Kong Telford Envirotech Group Ltd</b> The lot was locked during the site visit and no Telford staff were present. The site was looked tidy when observed from outside.</p> 	NIL
2.	<p><b>Hung Wai Wooden Board Company</b> No critical issues were identified.</p>	NIL
3.	<p><b>Li Tong Group</b> No critical issues were identified.</p>	NIL
4.	<p><b>Cosmos Star Holdings Co.</b> The lot was locked during the site visit and no Cosmos Star staff were present. No critical issues were observed.</p> 	NIL
5.	<p><b>Other Areas</b> No new observations</p>	NIL

Follow-up from Previous Audits

**ID ET Findings / Recommendations**

**Operator/Tenant Follow-up Action**

1. **Hong Kong Telford Envirotech Group Ltd.**  
Uncovered soil stockpile was found at Telford's lot in July 2010.

No stockpile was found in this audit. **(Closed)**



2. **Hung Wai Wooden Board Company**  
A shelter was placed above the machines since June 2010 and no operation was observed during the site audit in July 2010.

No operation was undertaken during August 2010. Nevertheless, significant dust impact is not anticipated with the presence of the shelter. **(Closed)**

3. Water dripping from the air conditioners during the site audit in July 2010.

The water dripping was found to be collected. **(Closed)**



4. Stagnant water was found underneath the machines during the site audit in July 2010.

No stagnant water was found during this site audit. **(Closed)**



5. The perimeter drain was blocked.

The materials are being removed. **(Closed)**



Follow-up from Previous Audits (continued)

**ID ET Findings / Recommendations**

**Operator/Tenant Follow-up Action**

6. **Hung Wai Wooden Board Company (continued)**  
Sawdust was found near the machines inside Hung Wai's lot.

No sawdust was found during this site audit. **(Closed)**



7. **Li Tong Group**  
Stockpiles of materials and wastes were observed during the site inspection in July 2010.

No stockpiles of materials or wastes were observed during the site inspection in August 2010. **(Closed)**





8. **Other Areas**  
Muddy trail was found outside the lot of "P10".

Muddy trails were still observed outside the lot of "P10". SGJV was advised to liaise with the RE for cleaning the ground at the entrance of "P10". The contractor of "P10" should provide appropriate measures such as wheel-washing facilities. **(Outstanding)**



**Observations and Sign-off**



Most of the outstanding issues of the previous audit in July 2010 were resolved and fewer issues were identified during the site visit in August 2010.

	ET	Operator
<b>Organisation</b>	SMEC Asia Ltd	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	Park Manager
<b>Signature</b>		



**Audit Details**

<b>Date &amp; Time</b>	<b>Date</b> <u>29 September 2010</u>	<b>Time</b> <u>09:00am to 12noon</u>		
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast	<input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind	
<b>Temperature</b>	<u>32</u> °C			
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High	

**Action Items from This Audit**



ID	ET Findings / Recommendations	Operator /Tenant Follow-up Action
<b>Li Tong Group</b>		
1.	No critical issues were identified.	NIL
		
<b>Cosmos Star Holdings Co.</b>		
2.	The lot was locked during the site visit and no Cosmos Star staff were present. No critical issues were observed.	NIL
		
<b>Other Areas</b>		
3.	No new observations	NIL

**Follow-up from Previous Audits**

ID	ET Findings / Recommendations	Operator/Tenant Follow-up Action
1.	<b>Hong Kong Telford Envirotech Group Ltd.</b> NIL.	NIL
2.	<b>Li Tong Group</b> NIL.	NIL.
3.	<b>Cosmos Star Holdings Co.</b> NIL.	NIL.
4.	<b>Other Areas</b> Muddy trail was found outside the lot of "P10". 	Muddy trails observed out the lot of "P10" in this audit were reduced compared those observed in last audit. SGJV was advised to remind the contractor of "P10" should further clean up the vehicular trails at the site entrance and provide wheel-washing. <b>(Close)</b> 

**Observations and Sign-off**

All the outstanding issues of the previous audit in August 2010 were resolved.

	ET	Operator
<b>Organisation</b>	SMEC Asia Ltd	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	Park Manager
<b>Signature</b>		

**Audit Details**

<b>Date &amp; Time</b>	<b>Date</b> <u>27 October 2010</u>	<b>Time</b> <u>09:00am to 12:30pm</u>
<b>Weather Conditions</b>	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy
	<input type="checkbox"/> Overcast	<input type="checkbox"/> Rain
<b>Wind</b>	<input type="checkbox"/> Calm	<input type="checkbox"/> Light Breeze
	<input checked="" type="checkbox"/> Strong Wind	
<b>Temperature</b>	<u>21</u> °C	
<b>Humidity</b>	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium
	<input type="checkbox"/> High	

**Action Items from This Audit**

<b>ID</b>	<b>ET Findings / Recommendations</b>	<b>Operator /Tenant Follow-up Action</b>
1.	<p><b>Hong Kong Telford Envirotech Group Ltd.</b> Oily patch was found underneath a machine.</p>  	<p>The Tenant was reminded to clear the patch as soon as possible and provide appropriate mitigation measures during equipment oil replacement in the future. In addition, the Tenant should provide a secondary containment such as drip tray underneath oil drums to prevent potential oil leakage.</p>
2.	<p><b>Cosmos Star Holdings Co.</b> The lot was locked during the site visit and no Cosmos Star staff was present. No critical issues were observed.</p> 	<p>NIL</p>
3.	<p><b>Other Areas</b> No new observations</p>	<p>NIL</p>


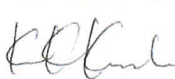



**Follow-up from Previous Audits**

ID	ET Findings / Recommendations	Operator/Tenant Follow-up Action
1.	<b>Hong Kong Telford Envirotech Group Ltd.</b> NIL	NIL
2.	<b>Li Tong Group</b> NIL	NIL
3.	<b>Cosmos Star Holdings Co.</b> NIL	NIL
4.	<b>Other Areas</b> NIL	NIL

**Observations and Sign-off**

The lots were generally tidy.

	ET	IEC*	Operator
<b>Organisation</b>	SMEC Asia Ltd	Scott Wilson Ltd	Serco Guardian JV
<b>Signed By</b>	<b>Antony WONG</b>	<b>KK KWOK</b>	<b>Morgan CHIU</b>
<b>Role</b>	ET Leader	IEC Representative	Park Manager
<b>Signature</b>			

**Note:** \* IEC to sign-off only for a joint ET+IEC Inspection