

Audit Details

Tenant	Champway Technology Ltd		
Date & Time	Date 23 January 2014	Time 10:10am	
Lot No.	EP07-03		
Audit Ref.	39		
IEC Joint Inspection	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Weather Conditions	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
Wind	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
Temperature	12°C		
Humidity	<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/C) issued on August 5 th 2013 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"/>	SGJV'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"/>	SGJV'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"/>	SGJV'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 valid until 31 July 2014.
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"/>	
Effluent Monitoring				
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"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See new observation #1
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
Processes with high Risk of Contamination				
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Stop-logs are available for use by the Tenant if needed.
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 transmission system) is carried out off-site when needed. This may be needed once every ten years or so.
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 licensed collector?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cargo Handling				
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 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"/>	
Odour				
3.2 a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes but the odour was relatively minor on site.
b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From the gaps in the cover of the Surplus Water with Dregs Storage Tank; the Oil/Water Mixture Storage Tanks during cleaning or transfer of oil to the oil separators; the grease trap waste storage tank; uncovered oil buckets; and oil stains on ground.
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 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.
Dust Monitoring				
3.4 a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required according to the 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 Is no open burning carried out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Is no dark smoke emitted from chimney or powered plant?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	
Packaging of Chemical Waste				
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"/>	
Labelling of Chemical Waste				
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
Storage of Chemical Waste				
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"/>	
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"/>	No collection.
Storage of Liquid Waste				
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"/>	
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
Landfill Gas Hazard (within LFG Consultation Zone)				
5.1 a. Workers and visitors alerted to possible LGF hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
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.
Dangerous Goods				
5.6 a. Valid license for manufacturing / storing dangerous goods?	<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).
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"/>	


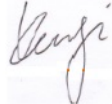

Action Items from This Audit

No.	Action	Expected By
1.	No critical environmental issues were observed.	Nil

Follow-up from Previous Audits

No.	Follow-up from Previous Audit Dated 18 December 2013	Status
1.	U-Channel near the site entrance has been cleared.	Closed
	 	
	<p>Observed on 18 December 2013</p> <p>Observed on 23 January 2014</p>	

Audit Summary and Sign-off

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Atkins China Ltd	Champway	Serco Guardian JV
Signed By	Winnie MA	-	Kenji WONG	Mabel YUNG
Role	ET Site Auditor	IEC	Operation Director	Park Manager
Signature		-		

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

Audit Details

Tenant	Champway Technology Ltd		
Date & Time	Date 26 February 2014	Time 10:10am	
Lot No.	EP07-03		
Audit Ref.	40		
IEC Joint Inspection	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Weather Conditions	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
Wind	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
Temperature	20 ^o C		
Humidity	<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/C) issued on August 5 th 2013 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"/>	SGJV'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"/>	SGJV'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"/>	SGJV'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 valid until 31 July 2014.
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"/>	
Effluent Monitoring				
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"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See new observation #1
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
Processes with high Risk of Contamination				
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Stop-logs are available for use by the Tenant if needed.
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 transmission system) is carried out off-site when needed. This may be needed once every ten years or so.
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 licensed collector?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cargo Handling				
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 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"/>	
Odour				
3.2 a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes but the odour was relatively minor on site.
b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From the gaps in the cover of the Surplus Water with Dregs Storage Tank; the Oil/Water Mixture Storage Tanks during cleaning or transfer of oil to the oil separators; the grease trap waste storage tank; uncovered oil buckets; and oil stains on ground.
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 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.
Dust Monitoring				
3.4 a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required according to the 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 Is no open burning carried out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Is no dark smoke emitted from chimney or powered plant?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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:				
a. >25L of conventional liquid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	
Packaging of Chemical Waste				
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"/>	
Labelling of Chemical Waste				
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
Storage of Chemical Waste				
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"/>	
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"/>	No collection.
Storage of Liquid Waste				
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"/>	
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
Landfill Gas Hazard (within LFG Consultation Zone)					
5.1	a. Workers and visitors alerted to possible LGF hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
	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.
Dangerous Goods					
5.6	a. Valid license for manufacturing / storing dangerous goods?	<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).
	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.	No critical environmental issues were observed.	Nil

Follow-up from Previous Audits

No.	Follow-up from Previous Audit Dated 23 January 2014	Status
	Nil	

Audit Summary and Sign-off

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Atkins China Ltd	Champway	Serco Guardian JV
Signed By	Winnie MA	-	Kenji WONG	Mabel YUNG
Role	ET Site Auditor	IEC	Operation Director	Park Manager
Signature		-		

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

Audit Details

Tenant	Champway Technology Ltd		
Date & Time	Date 27 March 2014	Time 10:10am	
Lot No.	EP07-03		
Audit Ref.	41		
IEC Joint Inspection	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Weather Conditions	<input checked="" type="checkbox"/> Fine	<input type="checkbox"/> Hazy	<input type="checkbox"/> Overcast <input type="checkbox"/> Rain
Wind	<input type="checkbox"/> Calm	<input checked="" type="checkbox"/> Light Breeze	<input type="checkbox"/> Strong Wind
Temperature	25 ^o C		
Humidity	<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/C) issued on August 5 th 2013 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"/>	SGJV'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"/>	SGJV'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"/>	SGJV'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 valid until 31 July 2014.
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"/>	
Effluent Monitoring				
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"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See new observation #1
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
Processes with high Risk of Contamination				
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Stop-logs are available for use by the Tenant if needed.
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 transmission system) is carried out off-site when needed. This may be needed once every ten years or so.
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 licensed collector?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cargo Handling				
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 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"/>	
Odour				
3.2 a. Any odour detected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Yes but the odour was relatively minor on site.
b. If yes, can the source be identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	From the gaps in the cover of the Surplus Water with Dregs Storage Tank; the Oil/Water Mixture Storage Tanks during cleaning or transfer of oil to the oil separators; the grease trap waste storage tank; uncovered oil buckets; and oil stains on ground.
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 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.
Dust Monitoring				
3.4 a. Monitoring Record available?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required according to the 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 Is no open burning carried out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3. Air Quality (continued)

Description	Yes	No	N/A	Remarks
3.7 Is no dark smoke emitted from chimney or powered plant?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	
a. >25L of conventional liquid fuel per hour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	
Packaging of Chemical Waste				
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"/>	
Labelling of Chemical Waste				
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
Storage of Chemical Waste				
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"/>	
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"/>	No collection.
Storage of Liquid Waste				
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"/>	
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
Landfill Gas Hazard (within LFG Consultation Zone)				
5.1 a. Workers and visitors alerted to possible LGF hazards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Outside the LFG Consultation Zone.
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.
Dangerous Goods				
5.6 a. Valid license for manufacturing / storing dangerous goods?	<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).
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.	No critical environmental issues were observed.	Nil

Follow-up from Previous Audits

No.	Follow-up from Previous Audit Dated 26 February 2014	Status
	Nil	

Audit Summary and Sign-off

	ET	IEC*	Tenant	Operator
Organisation	SMEC Asia Ltd	Atkins China Ltd	Champway	Serco Guardian JV
Signed By	Antony WONG	Eva KEUNG	Kenji WONG	Mabel YUNG
Role	ET Leader	IEC Site Auditor	Operation Director	Park Manager
Signature				

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