

Contract No. : EP/SP/52/06
Development of EcoPark in Tuen Mun Area 38

ENVIRONMENTAL MONITORING AND AUDIT

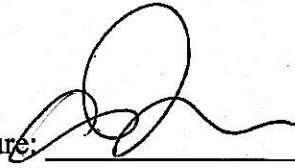
MONTHLY EM&A REPORT for

AUGUST 2007


APPROVAL SHEET

DOCUMENT DATE: 31 August 2007

Prepared and Certified by: ET Leader (Environmental Pioneers & Solutions Limited)

Signature: 
Miss Patricia Chung

Date: 19 SEP 2007

Verified by: 
IEC

Date: 28 SEP 2007

* IEC - Independent Environmental Checker

TABLE OF CONTENTS

EXECUTIVE SUMMARY	4
1. BASIC PROJECT INFORMATION	6
2. SUMMARY OF WORK ACTIVITIES AND CONSTRUCTION STATUS	8
3. STATUS OF ENVIRONMENTAL PROTECTION AND SITE INSPECTIONS	10
4. SUMMARY OF ENVIRONMENTAL PERMIT AND LICENCES	15
5. CUMULATIVE LOG OF COMPLAINTS AND REMEDIAL ACTION	16
6. CUMULATIVE LOG OF NOTIFICATION OF SUMMONS AND PROSECUTIONS	16
7. CONCLUSION	16
APPENDIX 1 - SITE LAYOUT PLAN	18
APPENDIX 2 - THE CONTACT PERSONS, TELEPHONE NUMBERS OF KEY PERSONNEL FOR DEVELOPMENT OF ECOPARK IN TUEN MUN AREA 38	19
APPENDIX 3 – REVISED SITE LAYOUT PLAN FOR REFUSE COLLECTION POINTS	20
APPENDIX 4 - ORIGINAL LANDFILL GAS FIELD MEASUREMENT RECORDING SHEETS	21
APPENDIX 5 – CUMULATIVE LOG OF COMPLAINTS.....	26

EXECUTIVE SUMMARY

This is the fourteenth monthly Environmental Monitoring and Audit (EM&A) Report for the Environmental Protection Department Contract No. EP/SP/52/06 entitled "Development of EcoPark in Tuen Mun Area 38". (Environmental Permit No. EP-226/2005)

This report contains the results and findings of site inspection activities and EM&A works carried out by the Environmental Team (ET) of the Works Contractor as required in the contract during August 2007.

The site activities in the reporting period mainly consisted of site formation, excavation works, construction of administration building, marine front management office and drainage, sewerage and water mains and finishing works, fitting outs and building services installation for administration building and marine front management office.

Water spraying by water truck on site area for dust mitigation was observed. Insufficient manual wheel washing was observed at Road C and Road D. The Contractor rectified by providing manual labour for wheel washing at Road C and Road D.

No substantial noise impact was noted by ET during weekly environmental site walks. Landfill gas monitoring was carried out at site; measurement results were within the Action and Limit Levels in accordance with the EM&A Manual.

The Contractor has removed stagnant water found at marine frontage area. Disposal of inert C&D material was recorded and properly filed.

The Contractor has used the temporary storage tank to store the effluent of aerobic wastewater treatment system and the stored effluent was pumped away regularly. As checked by the ET, there was no effluent discharge into the stormwater drain.

Direct water discharge to the manhole for underground pipe cleaning purpose near Administration Building was observed. The Contractor was reminded to use adequately

designed sand / silt removal facilities before discharging.

Waste found in E&M equipment platform of Administration Building was removed. The Contractor has established refuse collection points with notice boards in Administration Building.

The Contractor has replaced faded and unclear chemical labels attached on oil and chemical waste storage cabinets.

There were no notifications of summons or successful prosecution during August 2007.

The planned activities for September 2007 and October 2007 with regard to development of EcoPark consist of:

- 1) Excavation Works, Site Formation Works and Roadworks
- 2) Construction of Drainage, Sewerage and Water Mains
- 3) Construction of Administration Building
- 4) Construction of Marine Front Management Office
- 5) Finishing Works, Fitting Outs and Building Services Installation for Administration Building and Marine Front Management Office

1. BASIC PROJECT INFORMATION

1.1 Introduction

This is the fourteenth monthly Environmental Monitoring and Audit (EM&A) Report for the Environmental Protection Department Contract No. EP/SP/52/06 entitled "Development of EcoPark in Tuen Mun Area 38". The site layout plan is shown in Appendix 1. The report was prepared by the Environmental Team, Environmental Pioneers & Solutions Limited, of the Works Contractor, Kaden Construction Limited. The report is to be submitted to the Works Contractor, the Engineer and the Environmental Protection Department for the project.

This report presents the results of the environmental monitoring of the project activities conducted during the month of August 2007. This included regular site inspections once per week for verification of implementation of the mitigation measures as recommended in the EM&A Manual and the Contractor's Environmental Management Plan (EMP).

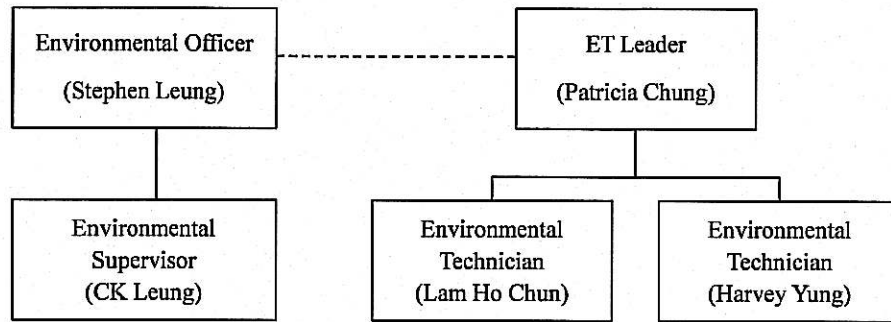
Phase 1 of the construction works has already commenced in July 2006 and is anticipated to complete in January 2008.

The contact person and telephone number of key personnel for the captioned project are shown in Appendix 2.

1.2 Project Organization and Management

The Works Contractor has commissioned Environmental Pioneers & Solutions Limited as the Environmental Team, which comprises the environmental team leader and the environmental technicians to undertake the environmental monitoring and audit work for this project. The project Organization Chart of Environmental Team is shown in Figure 1.1.

Figure 1.1 Organization Chart of Environmental Team



2. SUMMARY OF WORK ACTIVITIES AND CONSTRUCTION STATUS

2.1 Works Undertaken during the Month

A summary of the site installation works in this month, with the information of locations, activities, equipment/materials and dates of occurrence, is provided by the Contractor, as shown in Table 2.1.

Item	Work Activities & Location	Date of Occurrence
1	Site formation works, excavation works & roadworks	1 August 2007 – 31 August 2007
2	Construction of administration building and marine front management office	1 August 2007 – 31 August 2007
3	Construction of drainage, sewerage & water mains	1 August 2007 – 31 August 2007
4	Finishing works, fitting outs & building services installation for administration building & marine front management office	1 August 2007 – 31 August 2007

	Equipment/ Plant	Quantity
1	Mobile Crane	2
2	Excavator	14
3	Generator	4
4	Air Compressor	2
5	Roller	4
6	Loader	1
7	Grab Lorry	1
8	Crane Lorry	2
9	Water Truck	1
10	Dump Truck	2

Remarks:

- As informed by the Contractor, most equipment are mobile at site subject to work progress.
- Refer to Appendix 1 – Site layout plan for location of construction activities.

2.2 Future Key Issues

The Contractor has provided an updated construction program in Table 2.2 to show the planned activities for the coming three months (September 2007 – November 2007).

The anticipated environmental issues are summarized as follow:

Item	Works	Anticipated Environmental Issues
1	Site formation works, excavation works & roadworks	<ul style="list-style-type: none"> - Generation of C&D Waste; excavated material should be reused as much as practicable - Dust may be generated; the wheel washing machine should be in operation - Haul road should be sprayed regularly, by truck or sprinkler - Stagnant water should be removed - Mosquito mitigation measures should be implemented
2	Construction of Administration Building and Marine Front Management Office	<ul style="list-style-type: none"> - Generation of waste from packaging materials and C&D wastes
3	Construction of drainage, sewerage & water mains	<ul style="list-style-type: none"> - Generation of C&D Waste; excavated material should be reused as much as practicable - Dust may be generated; the wheel washing machine should be in operation
4	Finishing works, fitting outs & building services installation for administration building & marine front management office	<ul style="list-style-type: none"> - Generation of waste from packaging materials and C&D wastes

The site inspection schedule for the next month (September 2007) is designated on 5, 12, 19 and 25 September 2007.

3. STATUS OF ENVIRONMENTAL PROTECTION AND SITE INSPECTIONS**3.1 Environmental Site Inspections**

Environmental site inspections are required to inspect the construction activities of the Development of EcoPark in order to ensure that appropriate environmental protection and pollution control mitigation measures are properly implemented.

Site inspections were conducted on 1, 8, 15, 22 and 29 August 2007.

A detailed checklist of each site inspection together with comments, relevant photos and maps have been filed and kept.

The findings and results of site inspections are provided in Table 3.1:

Date	Observations	Advice from ET	Outcome	Closing Date
08, 15 August 07	Chemical labels attached on oil and chemical waste storage cabinets were found to be faded and unclear	To replace the chemical labels	Chemical labels were replaced	22 August 07
08 August 07	Insufficient manual wheel washing at Road C and Road D were observed	To provide sufficient manual wheel washing at Road C and Road D	Frequent manual labour for wheel washing was provide at Road C and Road D	15 August 07
15 August 07	The Contractor has established refuse collection points with notice boards in Administration Building	--	--	--
22 August 07	Stagnant water was found at marine frontage area	To remove water and fill the flooded area to prevent mosquito breeding	Stagnant water was removed	29 August 07
22 August 07	The temporary storage tank was used to store the effluent of aerobic wastewater treatment system and there was no effluent discharge into the stormwater drain	--	--	--
22 August 07	Waste was found in E&M equipment platform of Administration Building	To remove waste	Waste was removed	29 August 07

22, 29 August 2007	Direct water discharge to the manhole for underground pipe cleaning purpose near Administration Building was observed	To use adequately designed sand / silt removal facilities before discharging	To be observed and inspected in the next reporting period	--
--------------------------	---	--	---	----

3.2 Air Dust

Water spraying by water truck on site area such as Road A, Road C, Road D and unpaved site area beside marine front for dust mitigation was observed.

Excavation work at Road F near site office was finished and the site exit at Road F was closed. The site exit at Road A remained and manual wheel washing was used.

Insufficient manual wheel washing at Road C and Road D were observed. The Contractor rectified by providing frequent manual labour for wheel washing at Road C and Road D.

3.3 Noise

The major noise source was vehicle movement, machinery and rock excavation in the EcoPark. Since the nearby NSRs were remote, the noise impact was minimal. There was no specific observation noted regarding noise issue. The Contractor has obtained the Construction Noise Permit on 07 August 2007.

3.4 Surface Water Quality

Since there was no water discharge at manhole, the Contractor removed the silt curtain installed at discharge point on 4 April 2007, as agreed by the Engineer's Representative. No muddy water was observed at discharge point.

Chemical toilets (5 nos.) have been provided by a licensed contractor, of which sewage generated is collected every three to five days without causing contamination on surface water. The Effluent Discharge Licence was issued to the Contractor on 20 November 2006.

Stagnant water was found at marine frontage area and the Contractor removed the water for preventing mosquito breeding. Stagnant water was also observed at Administration Building, Road A and site boundary adjacent to the Fill Bank. The Contractor was reminded to remove the water in these areas.

The temporary storage tank was used to store the effluent of aerobic wastewater treatment system and the stored effluent was pumped away regularly. As checked by the ET, there was no effluent discharge into the stormwater drain.

Direct water discharge to the manhole for underground pipe cleaning purpose near Administration Building was observed. The Contractor was reminded to use adequately designed sand / silt removal facilities before discharging.

3.5 Visual and Landscape Impact

Hoarding was erected at the site egress and aligned along the site boundary along Lung Mun Road. Hoardings were specially designed to be movable for future re-use in other locations.

During site clearance, trees were relocated to be replanted for landscaping in the future in EcoPark.

3.6 Waste / Chemical Waste

Chemical labels attached on oil and chemical waste storage cabinets were found to be faded and unclear. The Contractor has replaced the chemical labels.

Waste was found in E&M equipment platform of Administration Building. The Contractor has removed the waste for better house keeping.

The Contractor implemented visual inspection and distributed flyers/ notices to ensure all dump trucks have mechanical covers closed when leaving EcoPark site.

The Contractor has established refuse collection points with notice boards in

Administration Building.

Separate waste collection bins were made available for collecting aluminum cans, waste paper and plastic bottles etc. The Contractor has provided the revised site layout plan for refuse collection points as shown in Appendix 3.

Waste dumpers were used for the collection and storage of general waste. Temporary storage areas for waste metals and waste tyres were established.

The Contractor has provided sufficient drip trays for all temporary electricity generators at site. These drip trays should be covered by tarpaulin sheet to minimize rainfall accumulation.

Excavated materials are reused as back-fill material to balance cut and fill and hence reduce the generation of materials. Surplus materials are returned to stock in centralized area with suitable protective measures. The Contractor was reminded to comply with the requirements and conditions for disposal at public fill facility and all oversized aggregates should be crushed to less than 250mm before delivering to the public fill.

Materials are recycled and re-used at site as much as practicable to minimize waste generation. Timbers are recycled to make temporary tools and assess ladders etc. Excavated rocks, concrete and asphalts are stored for future re-use in land formation and structural construction etc.

Registered waste collectors will be arranged to collect and transport the wastes whenever necessary.

Table 3.4 provides a summary table of waste disposal in August 2007. The Contractor has been reminded to keep good record at site in order to have a clear presentation of waste disposal.

Type of Waste	Disposal Site	Quantity	Remarks
General Waste	WENT Landfill	42 m ³	-
Inert C&D Material	Public Fill Facility	0 m ³	No disposal recorded

3.7 Landfill Gas

Landfill gas (LFG) monitoring was carried out on site at six (6) locations, as instructed by the Engineer's Representative. LFG measurements on 1, 8, 15, 22 and 29 August 2007 are summarized in Table 3.5, and original field measurement sheets with measurement locations are appended in Appendix 4. Measurement results are within the Action / Limit Levels in accordance with the EM&A Manual, as shown in Table 3.6.

Sampling Location	Date of Measurement	Sampling Time	Weather Condition	Methane (CH ₄) %LEL	Carbon Dioxide (CO ₂) %LEL	Oxygen (O ₂)
Point A	01 August 07	1553	Sunny	0.0%	0.0%	20.9%
Point B1	01 August 07	1605	Sunny	0.0%	0.0%	20.9%
Point F	01 August 07	1558	Sunny	0.0%	0.0%	20.9%
Point G	01 August 07	1555	Sunny	0.0%	0.0%	20.9%
Point H	01 August 07	1559	Sunny	0.0%	0.0%	20.9%
Point I	01 August 07	1600	Sunny	0.0%	0.0%	20.9%
Point A	08 August 07	1122	Fine	0.0%	0.0%	20.9%
Point B1	08 August 07	1133	Fine	0.0%	0.0%	20.9%
Point F	08 August 07	1126	Fine	0.0%	0.0%	20.9%
Point G	08 August 07	1124	Fine	0.0%	0.0%	20.9%
Point H	08 August 07	1128	Fine	0.0%	0.0%	20.9%
Point I	08 August 07	1127	Fine	0.0%	0.0%	20.9%
Point A	15 August 07	1620	Fine	0.0%	0.0%	20.9%
Point B1	15 August 07	1608	Fine	0.0%	0.0%	20.9%
Point F	15 August 07	1613	Fine	0.0%	0.0%	20.9%
Point G	15 August 07	1618	Fine	0.0%	0.0%	20.9%
Point H	15 August 07	1615	Fine	0.0%	0.0%	20.9%
Point I	15 August 07	1616	Fine	0.0%	0.0%	20.9%
Point A	22 August 07	1408	Cloudy	0.0%	0.0%	20.9%
Point B1	22 August 07	1421	Cloudy	0.0%	0.0%	20.9%
Point F	22 August 07	1416	Cloudy	0.0%	0.0%	20.9%
Point G	22 August 07	1410	Cloudy	0.0%	0.0%	20.9%
Point H	22 August 07	1413	Cloudy	0.0%	0.0%	20.9%
Point I	22 August 07	1415	Cloudy	0.0%	0.0%	20.9%
Point A	29 August 07	1622	Sunny	0.0%	0.0%	22.4%
Point B1	29 August 07	1612	Sunny	0.0%	0.0%	21.6%

Sampling Location	Date of Measurement	Sampling Time	Weather Condition	Methane (CH ₄) %LEL	Carbon Dioxide (CO ₂) %LEL	Oxygen (O ₂)
Point F	29 August 07	1616	Sunny	0.0%	0.0%	22.1%
Point G	Not Accessible					
Point H	29 August 07	1619	Sunny	0.0%	0.0%	22.3%
Point I	29 August 07	1618	Sunny	0.0%	0.0%	22.2%

Remarks:
1) As agreed by the Engineer's Representative, the landfill gas measurements on August 2007 were carried out with two instruments : one for the measurements of methane and carbon dioxide, another for the measurement of oxygen.

Parameter	Level	Action
Oxygen	Action Level < 19% O ₂	Ventilate trench/ void to restore O ₂ to > 19%
	Limit Level < 18% O ₂	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore O ₂ to > 19%
Methane (CH ₄)	Action Level >10% LEL	Post "No Smoking" signs Prohibit hot works Increase ventilation to restore CH ₄ to <10% LEL
	Limit Level >20% LEL	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore CH ₄ to <10% LEL
Carbon Dioxide (CO ₂)	Action Level >0.5% CO ₂	Ventilate to restore CO ₂ to < 0.5%
	Limit Level >1.5% CO ₂	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore CO ₂ to < 0.5%

4. SUMMARY OF ENVIRONMENTAL PERMIT AND LICENCES

ET has checked with the Contractor for the status of all environmental permits and licenses for this project as at August 2007, which is summarized in Table 4.1. ET will follow the application process of the outstanding permits / licenses and will provide suitable assistance whenever appropriate.

Description	License / Permit No.#	Date of Issue	Date of Expiry	Status/Remarks
Environmental Permit	EP-226/2005	9-Sept-2005	--	Issued
Registration of Waste Producer	5111-421-K2869-02	27-Jul-2006	--	Issued
Construction Noise Permit	GW-RW0402-07	07-Aug-2007	28-Feb-2008	Issued
Effluent Discharge Licence	EP760/421/011762/I	20-Nov-2006	1-Dec-2011	Issued

5. CUMULATIVE LOG OF COMPLAINTS AND REMEDIAL ACTION

The cumulative log of complaints is referred in Appendix 5.

6. CUMULATIVE LOG OF NOTIFICATION OF SUMMONS AND PROSECUTIONS

No notification of summons and no prosecutions occurred during August 2007.

7. CONCLUSION

There is no summon nor prosecutions reported during August 2007.

Water spraying by water truck on site area was observed for dust mitigation. The Contractor has provided manual labour for wheel washing at Road C and Road D.

The Contractor has removed stagnant water found at marine frontage area. Effluent of aerobic wastewater treatment system was temporarily stored in the storage tank and pumped away. As checked by the ET, there was no effluent discharge into the stormwater drain.

Direct water discharge to the manhole for underground pipe cleaning purpose near Administration Building was observed. The Contractor was reminded to use adequately designed sand / silt removal facilities before discharging.

In addition to the daily landfill gas monitoring carried out by the Contractor on site, weekly landfill gas monitoring was also carried out by the ET on site. The measurement

results from ET shown in Table 3.5 were within Action and Limit levels in accordance with EM&A Manual.

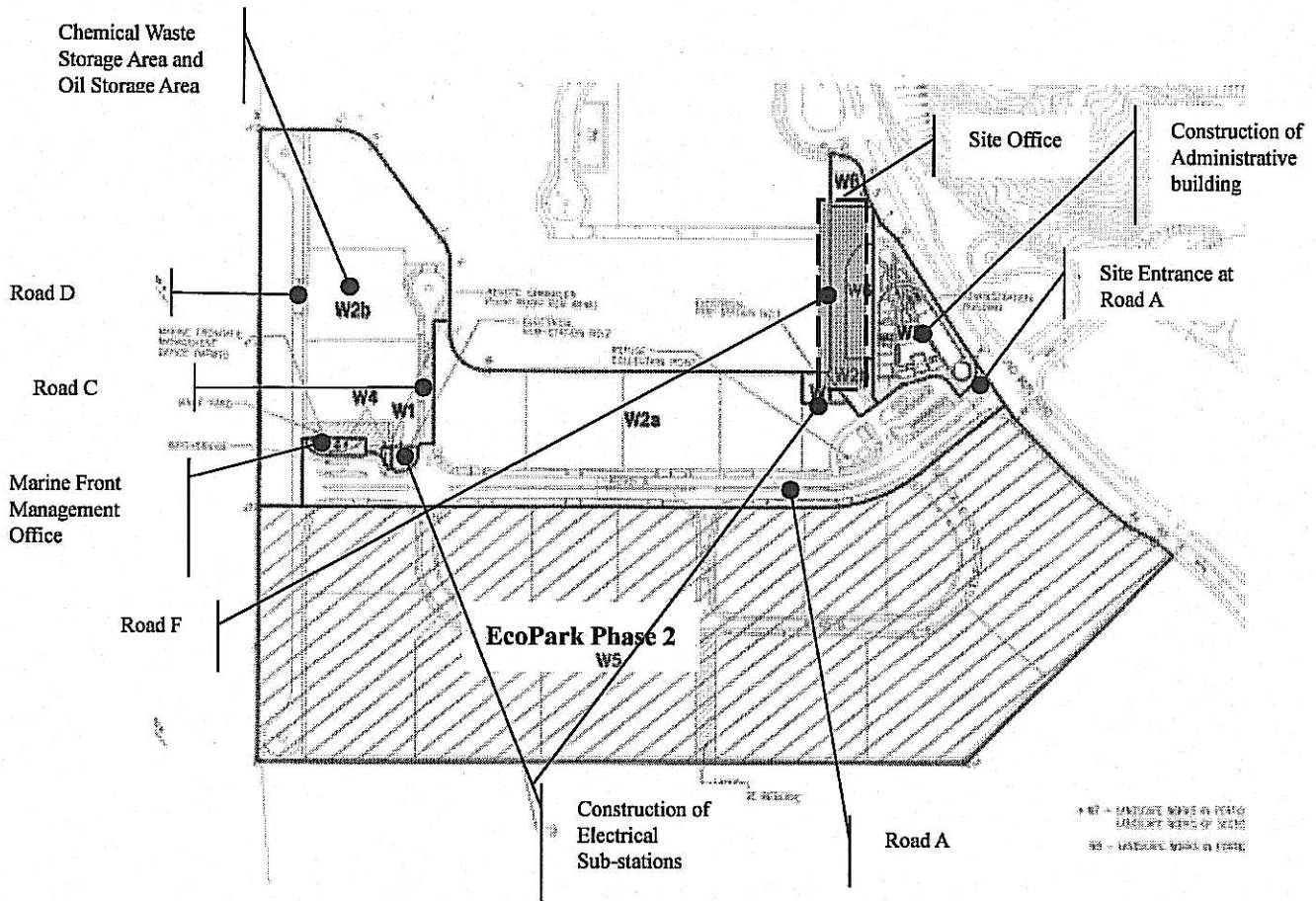
Waste found in E&M equipment platform of Administration Building was removed. The Contractor has established refuse collection points with notice boards in Administration Building.

The Contractor has replaced faded and unclear chemical labels attached on oil and chemical waste storage cabinets.

The Contractor has been using the waste management and record system including allocation of waste storage areas and the trip ticket system as proposed in the Environmental Management Plan.

The Contractor was advised to pay more efforts on environmental concerns and awareness such as site tidiness and mosquito hazard from stagnant water at site.

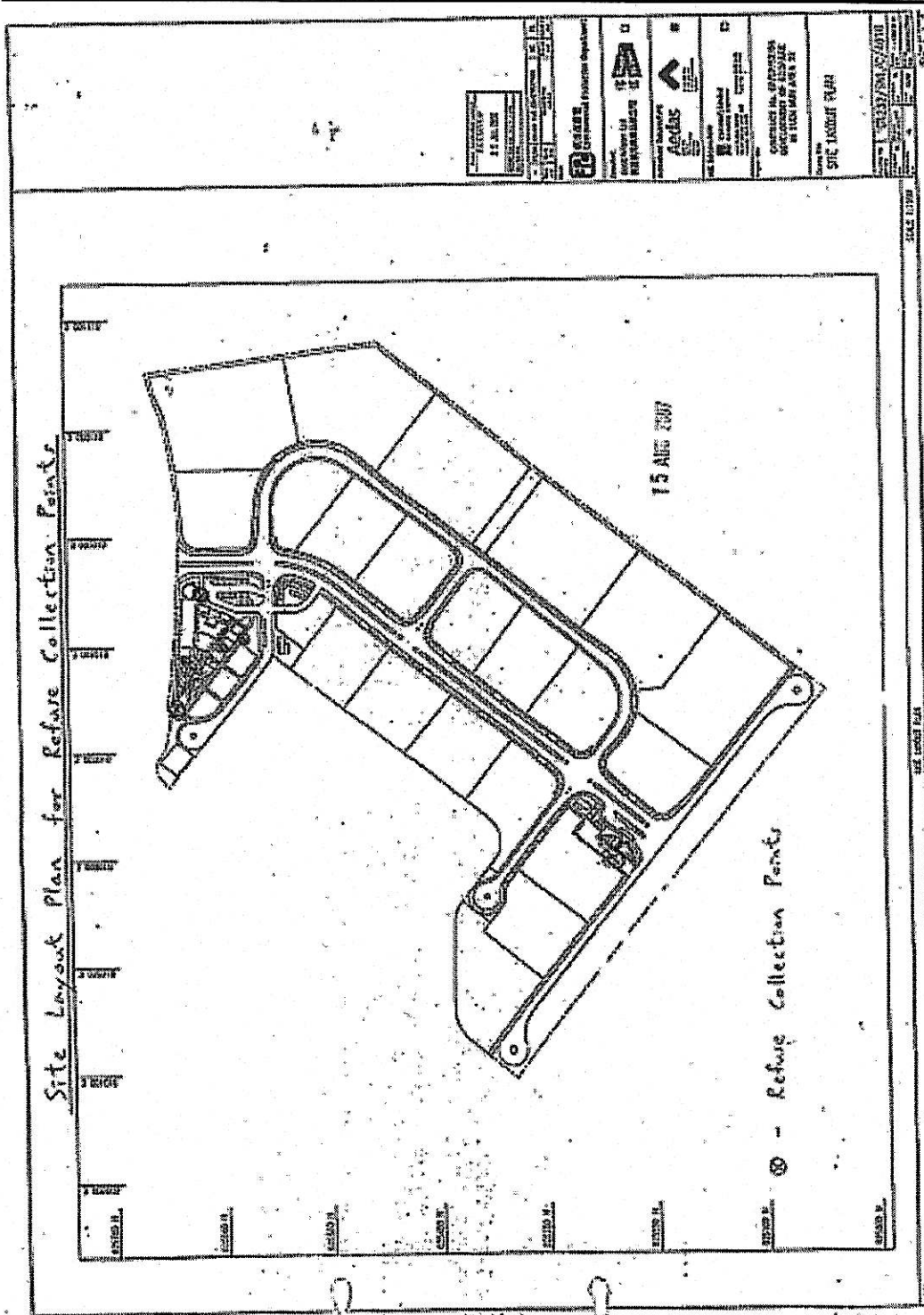
APPENDIX 1 - SITE LAYOUT PLAN



APPENDIX 2 - THE CONTACT PERSONS, TELEPHONE NUMBERS OF KEY PERSONNEL FOR DEVELOPMENT OF ECOPARK IN TUEN MUN AREA 38

Company/Department	Name	Position	Telephone
Scott Wilson Ltd.	Mike Bains	Independent Environmental Checker	--
Scott Wilson Ltd.	Mr. Michael Lo	Senior Resident Engineer	6290 8860
Scott Wilson Ltd.	Mr. Andy Cheung	Resident Engineer	6111 9703
Scott Wilson Ltd.	Mr. C S Lam	Senior Inspector of Works	9861 8011
Kaden Construction Limited	Mr. K M Book	Project Manager	9193 8680
Kaden Construction Limited	Mr. Stephen Leung	Section Agent	9071 7657
Environmental Pioneers & Solutions Limited	Miss. Patricia Chung	Environmental Team Leader	2185 0123
Environmental Pioneers & Solutions Limited	Mr. Harvey Yung	Environmental Technician	2185 0172
Environmental Pioneers & Solutions Limited	Mr. Lam Ho Chun	Environmental Technician	2185 0154

APPENDIX 3 - REVISED SITE LAYOUT PLAN FOR REFUSE COLLECTION POINTS



APPENDIX 4 - ORIGINAL LANDFILL GAS FIELD MEASUREMENT RECORDING SHEETS

Kaden <small>公司</small>		Kaden Construction Limited				
EPD Contract No. EP/SP/52/06		Job No. K0603				
Development of EcoPark in Tuen Mun Area 38						
Daily Air Monitoring		每日空氣監測記錄				
Detector: 測試器	Model 型號: GEM 2000	Last calibration 上次檢測:	03 Apr. 07			
	S/N 編號: GM-08793	Next calibration 下次檢測:	02 Apr. 08			
Date of Monitor 監測日期: 1 - 8 - 2007		Performed by: <i>Kenny Lam</i>				
Location 位置	Time 時間 (hrs)	Result 結果				
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Bal. Gas (%)	Baro. Pressure ("Hg)
Point A	1553	0	0	20.9	85.5	36.56
Point B1 (Production Gallery)	1605	0	0	20.9	85.8	36.56
Point F (E&M room)	1558	0	0	20.9	85.6	36.56
Point G (FS room)	1555	0	0	20.9	85.6	36.56
Point H (E&M room)	1559	0	0	20.9	85.1	36.56
Point I (E&M room)	1600	0	0	20.9	85.2	36.56

Instrument for O2 measurement: GasAlert MicroClip GAMIC-4-DL2 Serial no.: 5103-13348
Calibration valid until 07 Sep. 2008.

Site layout



Kaden Construction Limited

EPD Contract No. EP/SP/52/06 Job No. K0603

Development of EcoPark in Tuen Mun Area 38

Daily Air Monitoring 每日空氣監測記錄

Detector: Model 型號 : GEM 2000	Last calibration 上次檢測: 03 Apr. 07
測試器 S/N 編號 : GM-08793	Next calibration 下次檢測: 02 Apr. 08

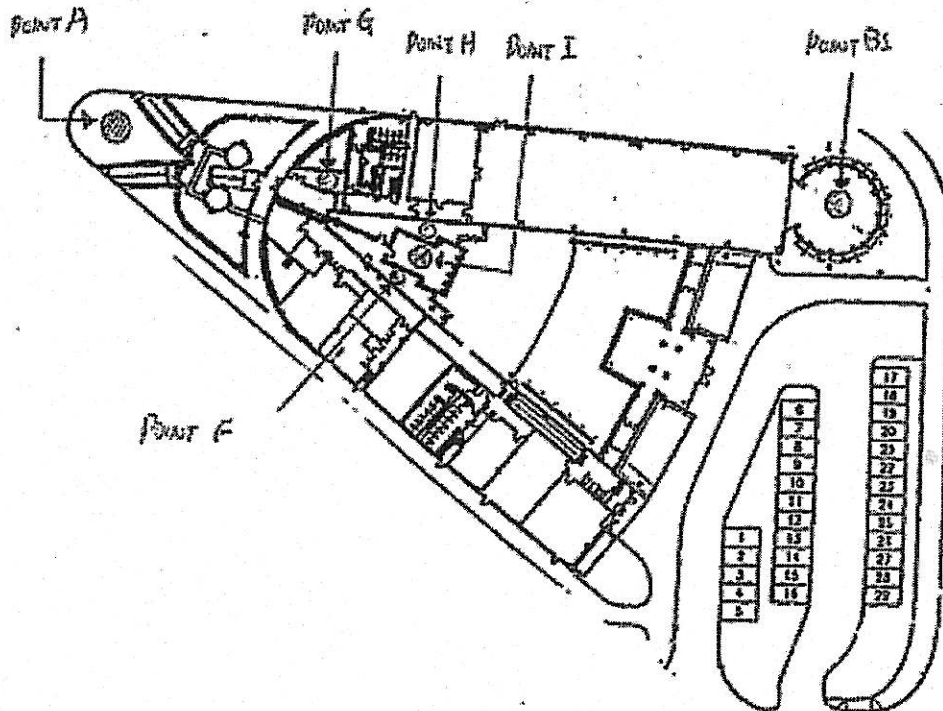
Date of Monitor 監測日期 : 8-8-2007 Performed by: Henry Lam

Location 位置	Time 時間 (hrs)	Result 結果				
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Bal. Gas (%)	Baro. Pressure (inHg)
Point A	1122	0	0	20.9	85.5	34.65
Point B1 (Production Gallery)	1133	0	0	20.9	85.7	34.65
Point F (E&M room)	1126	0	0	20.9	85.6	34.65
Point G (FS room)	1124	0	0	20.9	85.6	34.65
Point H (E&M room)	1128	0	0	20.9	85.6	34.65
Point I (E&M room)	1127	0	0	20.9	85.6	34.65

Instrument for O₂ measurement: GazAlert MicroClip GAMIC-4-DI.2 Serial no.: S103-13348

Site layout

Calibration valid until 07 Sep. 2008





Kaden Construction Limited

EPD Contract No. EP/SP/52/06

Job No. K0603

Development of EcoPark in Tuen Mun Area 38

Daily Air Monitoring 每日空氣監測記錄

Detector: 測試器	Model 型號: GEM 2000	Last calibration 上次檢測: 03 Apr. 07
	S/N 編號: GM-08793	Next calibration 下次檢測: 02 Apr. 08

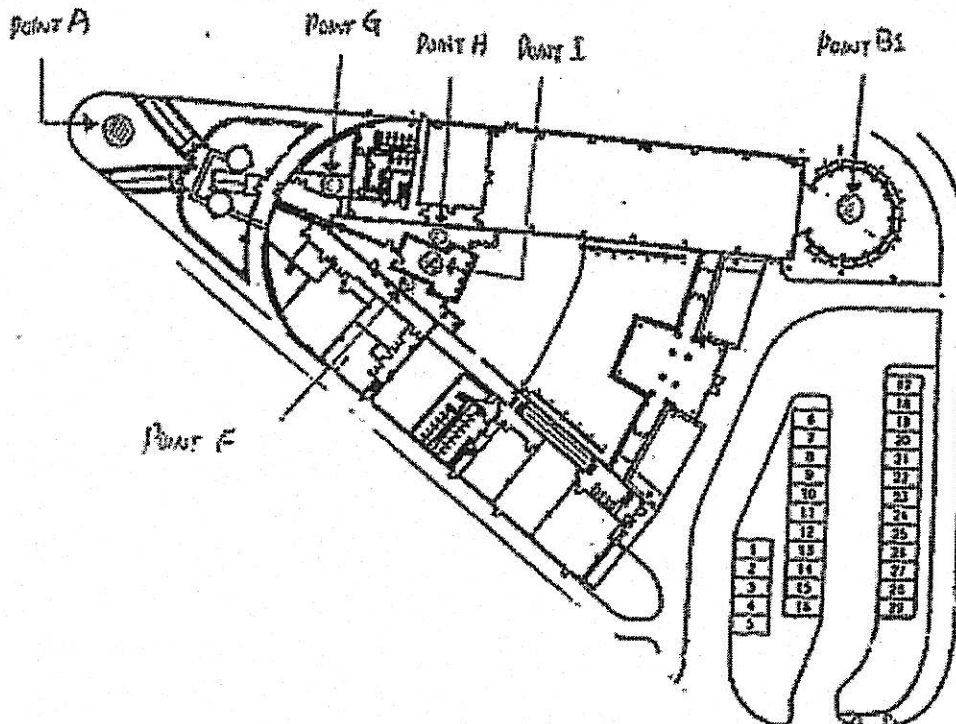
Date of Monitor 監測日期: 15 - 8 - 2007 Performed by: Henry Lam

Location 位置	Time 時間 (hrs)	Result 結果				
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Bal. Gas (%)	Baro. Pressure ("Hg)
Point A	1620	0	0	20.9	85.9	38.25
Point B1 (Production Gallery)	1608	0	0	20.9	85.8	38.25
Point F (E&M room)	1613	0	0	20.9	85.7	38.25
Point G (FS room)	1618	0	0	20.9	85.8	38.25
Point H (E&M room)	1615	0	0	20.9	85.7	38.25
Point I (E&M room)	1616	0	0	20.9	85.8	38.25

Instrument for O₂ measurement: GasAlert MicroClip GAMIC-4-DL2 Serial no.: S103-13348

Site layout

Calibration valid until 07 Sep. 2008





Kaden Construction Limited

EPD Contract No. EP/SP/52/06

Job No. K0603

Development of EcoPark in Tuen Mun Area 38

Daily Air Monitoring 每日空氣監測記錄

Detector: Model 型號 : GEM 2000	Last calibration 上次檢測: 03 Apr. 07
測試器 S/N 編號 : GM-08793	Next calibration 下次檢測: 02 Apr. 08

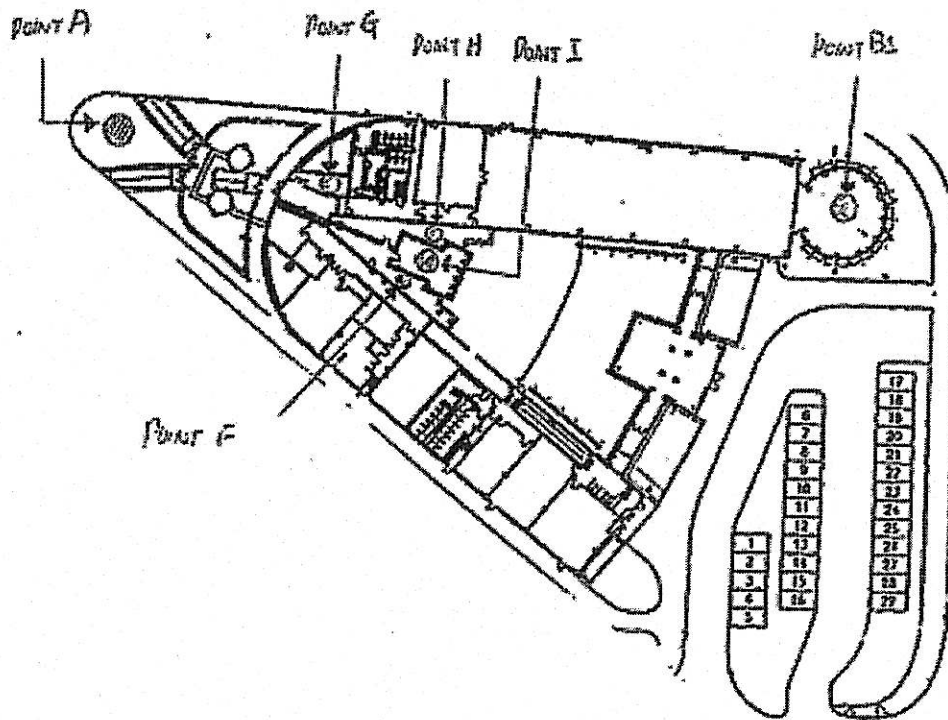
Date of Monitor 監測日期 : 22 - 8 - 2007 Performed by: Harry Lam

Location 位置	Time 時間 (hrs)	Result 結果				
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Bal. Gas (%)	Baro. Pressure ("Hg)
Point A	14:08	0	0	20.9	85.1	31.30
Point B1 (Production Gallery)	14:21	0	0	20.9	85.4	31.30
Point F (E&M room)	14:16	0	0	20.9	85.2	31.30
Point G (FS room)	14:10	0	0	20.9	85.2	31.30
Point H (E&M room)	14:13	0	0	20.9	85.2	31.30
Point I (E&M room)	14:15	0	0	20.9	85.2	31.30

Instrument for O₂ measurement: GasAlert MicroClip GAMIC-4-DL2 Serial no.: S103-13348

Site layout

Calibration valid until 07 Sep. 2008.





Kaden Construction Limited

EPD Contract No. EP/SP/52/06

Job No. K0603

Development of EcoPark in Tuen Mun Area 38

Daily Air Monitoring 每日空氣監測記錄

Detector: Model 型號: GEM 2000	Last calibration 上次檢測: 03 Apr. 07
測試器 S/N 編號: GM-08793	Next calibration 下次檢測: 02 Apr. 08

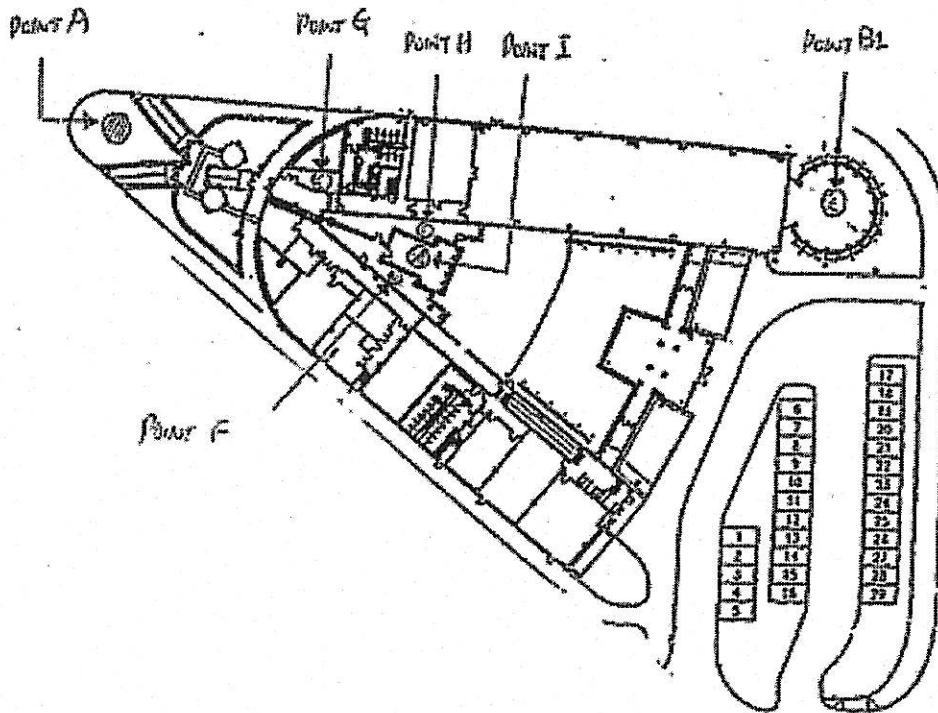
Date of Monitor 監測日期: 29 - 8 - 2007 Performed by: Harry Lam

Location 位置	Time 時間 (hrs)	Result 結果				
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Bal. Gas (%)	Baro. Pressure (°Hg)
Point A	1622	0	0	22.4	85.7	34.17
Point B1 (Production Gallery)	1612	0	0	21.6	85.5	34.17
Point F (E&M room)	1616	0	0	22.1	85.2	34.17
Point G (FS room)		Not accessible				
Point H (E&M room)	1619	0	0	22.3	85.3	34.17
Point I (E&M room)	1618	0	0	22.2	85.6	34.17

Instrument for O₂ measurement: GasAlert MicroClip GAMIC-4-DL2 Serial no.: S103-13348

Site layout

Calibration valid until 07 Sep. 2008.



APPENDIX 5 – CUMULATIVE LOG OF COMPLAINTS

CUMULATIVE LOG OF COMPLAINTS

Environmental Parameters	No. of Outstanding Complaints	No. of complaints received in August 2007	Cumulative no. of complaints received since the commencement of project
Air	0	0	2
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	2

DETAILS OF COMPLAINTS AND REMEDIAL ACTIONS

Log Ref.	Date of Complaint received	Location	Complainant /Date	Details of Complaint	Investigation /Mitigation Action	Investigated by/ Date
-	-	-	-	-	-	-