Environmental Permit No. EP-356/2009

Water Quality Baseline Report

15 April 2010

Chung Shun Boring Eng. Co., Ltd.

Contract No. HK/2009/04
Wan Chai Development Phase II and
Central – Wan Chai Bypass –
Baseline Sampling, Field Measurement and
Testing Works

Baseline Water Quality Monitoring Report

	Name	Signature
Prepared by:	Chung Shun Boring Eng. Co. Ltd.	-
Certified by:	Environmental Team Leader – Mr. Andy W L Chung	

15 April 2010

CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

EXECUTIVE SUMMARY

The baseline water quality monitoring was carried out 3 days per week for 4 weeks between 21 October 2009 and 16 November 2009 for all designated water quality monitoring locations described in the updated EM&A Manual. Nine of them are WSD salt water intake locations and twelve of them are cooling water intake locations. The water quality parameters such as turbidity, suspended solids, dissolved oxygen, pH, temperature and salinity were monitored either using the calibration equipment or by laboratory analysis.

The monitoring results were presented in this report and no major pollution source and extreme weather, which might affect the results, were observed during the baseline monitoring period. The Action and Limit levels of suspended solids, turbidity and dissolved oxygen were derived based on the baseline monitoring results and the water quality assessment criteria.

1 INTRODUCTION

1.1 Background

1.1.1 The Project is located mainly in Wan Chai North, Causeway Bay and North Point, and is demarcated by Gloucester Road and Victoria Park Road to the south, Fenwick Pier Street to the west and Tong Shui Road Interchange to the east.

1.1.2 The study area encompasses existing developments along the Wan Chai, Causeway Bay and North Point shorelines. Major land uses include the Hong Kong Convention & Exhibition Centre (HKCEC) Extension, the Wan Chai Ferry Pier, the ex-Wan Chai Public Cargo Working Area (ex-PCWA), the Royal Hong Kong Yacht Club (RHKYC), the Police Officers' Club, the Causeway Bay Typhoon Shelter (CBTS) and commercial and residential developments.

1.1.3 The scope of the Project comprises:

(i) Land formation for key transport infrastructure and facilities, including the Trunk Road (i.e. CWB) and the associated slip roads for connection to the Trunk Road and for through traffic from Central to Wan Chai and Causeway Bay. The land formed for the above transport infrastructure will provide opportunities for the development of an attractive waterfront promenade for the enjoyment of the public.
(ii) Reprovisioning / protection of the existing facilities and structures affected by the land formation works mentioned above.
(iii) Extension, modification, reprovisioning or protection of existing storm water drainage outfalls, sewerage outfalls and watermains affected by the revised land use and land formation works mentioned above.
(iv) Upgrading of hinterland storm water drainage system and sewerage system, which would be rendered insufficient by the land formation works mentioned above.
(v) Provision of the ground level roads, flyovers, footbridges, necessary transport facilities and the associated utility services.
(vi) Construction of the new waterfront promenade, landscape works and the associated utility services.
(vii) The Trunk Road (i.e. CWB) within the study area and the associated slip roads for connection to the Trunk Road.

1.1.4 The proposed Project is an engineering feasibility study of an urban development project with a study area covering more than 20 ha. Under the EIAO, this Project is classified as a Schedule 3 Designated Project (DP) under item 1 of the Schedule 3 “Major Designated Projects Requiring Environmental Impact Assessment Reports”. The Project also contains various Schedule 2 DPs that, under the EIAO, require Environmental Permits (EPs) to be granted by the DEP before they may be either constructed or operated.

1.2 Purpose of Water Baseline Monitoring Report

1.2.1 The purpose of this report is to review the baseline conditions of water quality at the Project site, and to establish baseline levels for water quality in accordance with the updated EM&A Manual. These levels would be used as the basis for assessing environmental impact and compliance during construction of the Project.

1.2.2 This water baseline monitoring report presents the baseline monitoring requirements, methodologies and monitoring results at 21 monitoring locations described in the updated EM&A Manual.

1.2.3 The baseline monitoring results for air, noise and coral survey will be presented in their individual baseline monitoring reports.

2 WATER QUALITY MONITORING

2.1 Monitoring Requirements

2.1.1 In accordance with the updated EM&A Manual, baseline water quality levels at 21 locations should be established by conducting baseline monitoring for at least 4 weeks prior to the commencement of dredging works.

2.2 Monitoring Equipment

2.2.1 The brand and model of water quality monitoring equipment is given in Table 2.1.

Table 2.1 Water Quality Monitoring Equipment

Equipment	Brand and Model
Dissolved Oxygen Meter	YSI 6820
Water Temperature Meter	
Salinity Meter	
pH Meter	
Turbiditimeter	
Water Sampler	Kahlsico Water Sampler
Echo Sounder	Eagle CudaTM 128
Global Positioning System	Magellan SporTrak

2.3 Monitoring Locations

2.3.1 In accordance with the updated EM&A Manual, the water monitoring stations for baseline water quality monitoring is presented in **Table 2.2** and shown in **Figure 2.1a and 2.1b**.

Table 2.2 Baseline Water Quality Monitoring Stations

ID	Location	Coordinates	
		Easting	Northing
WSD Salt Water Intake			
WSD7	Kowloon South	833789.2	818076.2
WSD9	Tai Wan	838026.1	818209.7
WSD10	Cha Kwo Ling	841386.4	817728.4
WSD15	Sai Wan Ho	842110.3	816861.7
WSD17	Quarry Bay	841039.6	816473.0
WSD19	Sheung Wan	839740.4	817032.2
WSD20	Kennedy Town	832359.4	816868.8
WSD21	Wan Chai	830783.7	816070.2
RW1	Wan Chai (Reprovision)	836188.8	815911.1
Cooling Water Intake			
C1	Hong Kong Convention and Exhibition Centre Extension	835885.6	816223.0
C2	Telecom House / HK Academy for Performing / Shui On Centre	835647.9	815864.4
C3	Hong Kong Convention and Exhibition Centre Phase 1	835836.3	815910.0
C4	Wan Chai Tower and Great Eagle Centre	835932.8	815888.2
C5	Sun Hung Kai Centre	836250.1	815932.2
C6	Proposed Exhibition Station / World Trade Centre	837009.6	815999.3

ID	Location	Coordinates	
		Easting	Northing
C7	Windsor House	837193.7	816150.0
C8	City Garden	837970.6	816957.3
C9	Provident Centre	838355.0	817116.6
RC1	Proposed HKAPA Extension	835487.7	815987.7
RC5	Sun Hung Kai Centre (Reprovision)	836291.4	816029.7
RC7	Windsor House (Temporary Reprovision)	837245.2	816156.6

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 The monitoring parameters, frequency and duration of water quality monitoring are summarized in **Table 2.3**.

Table 2.3 Water Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
Turbidity, Suspended Solids, Dissolved Oxygen, pH, Temperature and Salinity	Three days per week, at mid-flood and mid-ebb tides for 4 weeks

2.5 Monitoring Methodology

2.5.1 The water quality monitoring procedures are presented in the following:

- All monitoring equipment were checked and calibrated before use. Responses of sensors and electrodes were also checked with certified standard solutions before each use.
- The interval between 2 sets of monitoring was not less than 36 hours.
- Duplicate in-situ measurements and water sampling were carried out in each sampling event.
- For selection of tides for in-situ measurement and water sampling, tidal range of individual flood and ebb tides was not less than 0.5 m.
- Analysis of suspended solids was carried out in a HOKLAS or other international accredited laboratory. Sufficient water samples were collected at the monitoring stations for carrying out the laboratory analysis. The laboratory analysis was started within 24 hours after collection of the water samples and the analysis followed the standard methods according to **Table 2.4** and as described in American Public Health Association (APHA) Standard Methods for the Examination of Water and Wastewater, 19th edition.

Table 2.4 Analytical Methods to be applied to Marine Water Quality Samples

Determinant	Standard Method
Suspended Solids (mg/L)	APHA 2540 D

- All monitoring equipment were certified by a laboratory accredited under HOKLAS at 3 monthly intervals. Calibration certificates of all monitoring equipment are provided in **Appendix A**.

2.6 Results and Observations

2.6.1 The baseline water quality monitoring for all locations were carried out 3 days per week for 4 weeks between 21 October 2009 and 16 November 2009. The baseline monitoring data and laboratory results are presented in **Appendix B and Appendix C** respectively.

2.6.2 The weather conditions during the monitoring period were mainly sunny and cloudy except few showers observed on 12 and 16 November 2009. No major pollution source and extreme weather, which might affect the results, was observed during the baseline monitoring period.

2.6.3 The baseline water quality monitoring results are summarized in **Table 2.5**.

Table 2.5 Summary of baseline Water Quality Monitoring Results

Locations		Parameters				
		Salinity (ppt)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Suspended Solids (mg/L)
WSD7	Avg.	33.22	5.33	7.98	5.36	10.48
	Min.	32.12	3.38	7.80	1.80	6.00
	Max.	34.06	7.85	8.29	10.20	19.00
WSD9	Avg.	33.42	5.57	8.01	3.60	7.71
	Min.	32.35	3.32	7.83	2.00	4.00
	Max.	34.29	8.77	8.31	6.90	12.00
WSD10	Avg.	33.49	5.60	7.92	4.15	7.60
	Min.	32.34	3.49	6.06	2.60	4.00
	Max.	34.39	8.57	8.38	7.10	13.00
WSD15	Avg.	33.47	5.38	8.02	4.16	8.40
	Min.	31.80	2.81	7.35	1.40	5.00
	Max.	34.25	8.62	8.40	7.50	14.00
WSD17	Avg.	33.49	5.49	8.02	4.84	9.46
	Min.	32.40	3.13	7.72	2.40	5.00
	Max.	34.36	8.90	8.34	7.80	16.00
WSD19	Avg.	33.21	5.30	7.97	5.09	9.25
	Min.	32.23	2.96	7.78	1.60	4.00
	Max.	33.96	8.39	8.26	9.60	15.00
WSD20	Avg.	33.24	5.51	8.00	4.25	8.63
	Min.	32.35	3.18	7.82	1.70	5.00
	Max.	33.89	8.76	8.34	6.90	13.00
WSD21	Avg.	33.04	4.52	6.93	5.98	9.94
	Min.	31.39	3.48	6.04	4.30	4.00
	Max.	33.89	6.67	8.15	8.90	14.00
RW1	Avg.	33.04	4.67	6.92	5.85	9.73
	Min.	31.46	3.78	6.03	2.90	6.00
	Max.	33.93	6.33	8.14	10.60	14.00
C1	Avg.	33.17	4.63	6.91	5.22	9.10
	Min.	32.31	3.64	5.78	3.10	4.00
	Max.	33.92	5.65	8.26	9.20	19.00
C2	Avg.	33.08	4.59	6.91	5.57	8.96
	Min.	31.56	3.78	6.06	2.50	5.00
	Max.	34.09	5.75	8.24	9.00	15.00
C3	Avg.	33.10	4.61	6.94	5.58	9.44
	Min.	31.63	3.95	6.05	2.70	4.00
	Max.	34.02	6.22	8.14	8.90	15.00
C4	Avg.	33.06	4.52	6.94	5.94	10.50
	Min.	31.90	3.81	6.05	2.80	6.00
	Max.	33.91	5.58	8.18	9.40	15.00

Locations		Parameters				
		Salinity (ppt)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Suspended Solids (mg/L)
C5	Avg.	33.10	4.57	6.93	6.16	10.88
	Min.	30.65	3.67	5.99	3.20	5.00
	Max.	33.88	6.11	8.15	9.40	16.00
C6	Avg.	32.69	3.60	6.85	5.31	8.21
	Min.	31.91	2.63	5.90	3.20	4.00
	Max.	33.38	5.64	8.19	8.90	12.00
C7	Avg.	32.86	3.84	6.86	4.78	7.71
	Min.	31.79	2.82	5.94	2.60	4.00
	Max.	33.59	5.15	8.23	8.20	13.00
C8	Avg.	33.20	4.64	6.87	7.15	12.35
	Min.	31.54	3.63	5.98	4.40	5.00
	Max.	33.90	6.39	8.25	11.50	24.00
C9	Avg.	33.16	4.58	6.85	7.75	13.83
	Min.	30.59	3.29	6.05	5.10	6.00
	Max.	33.95	6.33	7.88	11.20	24.00
RC1	Avg.	32.92	4.51	6.90	5.23	8.58
	Min.	26.89	3.62	6.07	2.50	4.00
	Max.	33.93	5.93	8.22	9.70	16.00
RC5	Avg.	33.15	4.59	6.94	5.52	9.21
	Min.	32.07	3.77	6.03	3.70	5.00
	Max.	33.89	6.91	8.25	9.40	15.00
RC7	Avg.	32.63	3.83	6.84	5.26	9.04
	Min.	30.95	1.67	5.92	3.10	5.00
	Max.	33.45	5.53	8.20	9.30	25.00

2.6.4 The QA/QC results for laboratory analysis of suspended solids are presented in **Appendix C**.

2.7 Event and Action Levels

2.7.1 The water quality assessment criteria, namely Action and Limit levels are shown in **Table 2.6**.

Table 2.6 Derivation of Action and Limit Levels for Water Quality

Parameters	Action	Limit
WSD Salt Water Intake		
SS in mg/L	95 percentile of baseline data or >9.5 mg/l	99 percentile of baseline data or >10 mg/l
Turbidity in NTU	95 percentile of baseline data or >9.5 NTU	99 percentile of baseline data or >10 NTU
DO in mg/L	5 percentile of baseline data or <2.1 mg/l	1 percentile of baseline data or <2 mg/l
Cooling Water Intake		
SS in mg/L	95 percentile of baseline data	99 percentile of baseline data
Turbidity in NTU	95 percentile of baseline data	99 percentile of baseline data
DO in mg/L	5 percentile of baseline data	1 percentile of baseline data

2.7.2 The derived Action and Limit levels are presented in **Table 2.7**.

Table 2.7 Derived Action and Limit Levels for Water Quality

Parameters	Action	Limit
WSD Salt Water Intake		
SS in mg/L	13.00	14.43
Turbidity in NTU	8.04	9.49
DO in mg/L	3.66	3.28
Cooling Water Intake		
SS in mg/L	15.00	22.13
Turbidity in NTU	9.10	10.25
DO in mg/L	3.36	2.73

3 CONSLUSIONS AND RECOMMENDATIONS

3.1.1 Baseline water quality monitoring was carried out between 21 October 2009 and 16 November 2009 for all designated locations. Action and Limit Levels were derived based on the baseline monitoring results and water quality assessment criteria. No recommendation was provided in this baseline water monitoring report.

Figure

N

LEGEND:

■ Water Quality Monitoring Stations

WSD7 - Kowloon South
WSD9 - Tai Wan
WSD10 - Cha Kwo Ling
WSD15 - Sai Wan Ho
WSD17 - Quarry Bay
WSD19 - Sheung Wan
WSD20 - Kennedy Town

Kowloon

WSD7

WSD9

WSD10

WSD19

WSD17

WSD15

WSD20

SEE FIGURE 4.1b

Hong Kong Island

MAUNSELL | AECOM

Maunsell Consultants Asia Ltd

WAN CHAI DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW

LOCATIONS OF WATER QUALITY MONITORING STATIONS

(SHEET 1 OF 2)

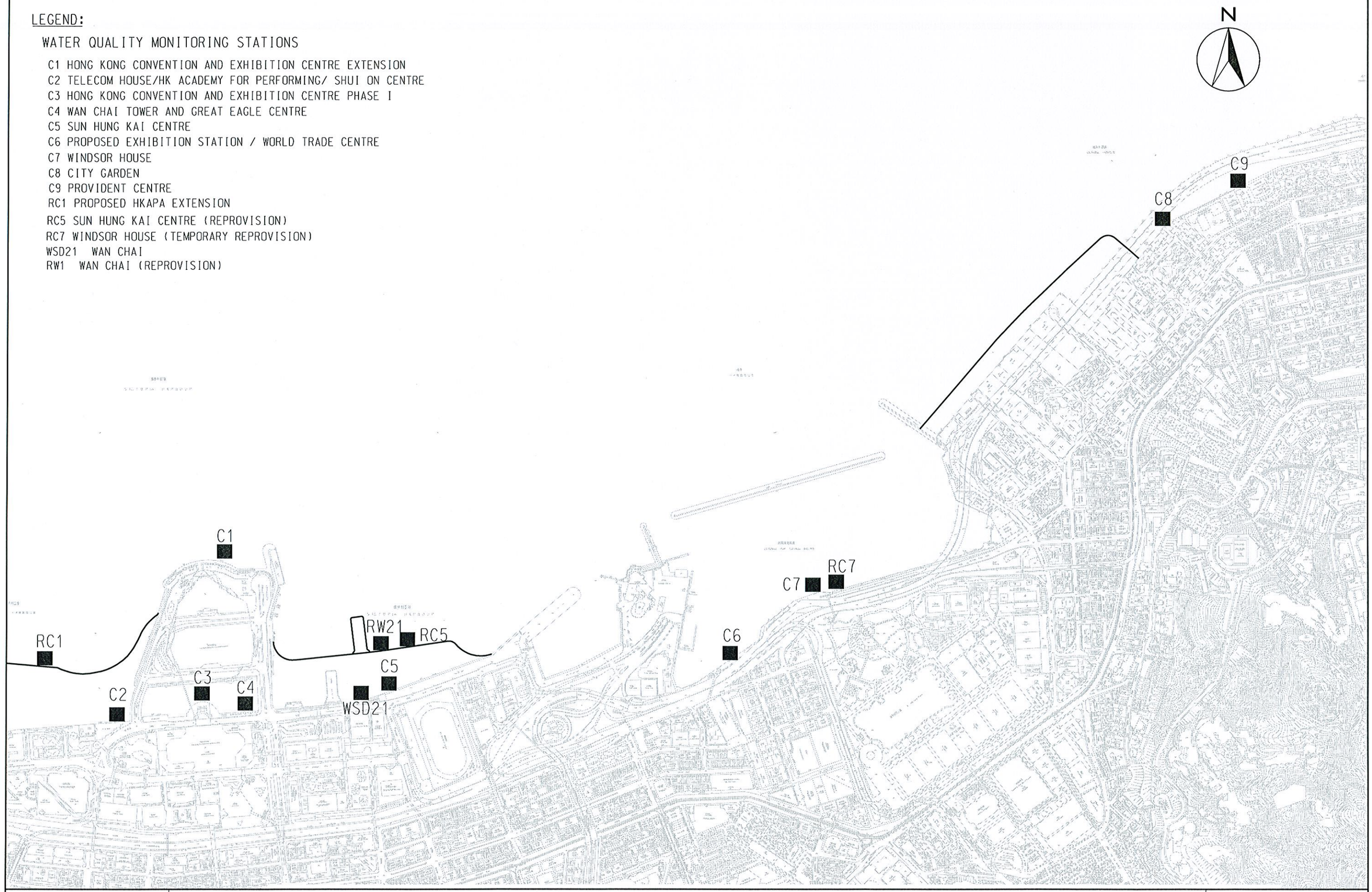
FIGURE 2.1a

P:/60017193/REPORT/DRAWINGS/EM&A-0708/WQ/4.1A.DGN SCALE: N.T.S. (A3)

LEGEND:

WATER QUALITY MONITORING STATIONS

C1 HONG KONG CONVENTION AND EXHIBITION CENTRE EXTENSION
C2 TELECOM HOUSE/HK ACADEMY FOR PERFORMING/ SHUI ON CENTRE
C3 HONG KONG CONVENTION AND EXHIBITION CENTRE PHASE I
C4 WAN CHAI TOWER AND GREAT EAGLE CENTRE
C5 SUN HUNG KAI CENTRE
C6 PROPOSED EXHIBITION STATION / WORLD TRADE CENTRE
C7 WINDSOR HOUSE
C8 CITY GARDEN
C9 PROVIDENT CENTRE
RC1 PROPOSED HKAPA EXTENSION
RC5 SUN HUNG KAI CENTRE (REPROVISION)
RC7 WINDSOR HOUSE (TEMPORARY REPROVISION)
WSD21 WAN CHAI
RW1 WAN CHAI (REPROVISION)



MAUNSELL | AECOM
Maunsell Consultants Asia Ltd

WAN CHAI DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW

LOCATIONS OF WATER QUALITY MONITORING STATIONS (SHEET 2 OF 2)

FIGURE 2.1b

P:/60017193/REPORT/DRAWINGS/EM&A-0708/WQ/4.1B.DGN SCALE 1:8000 (A3)

Appendix A

Calibration Certificates of

Monitoring Equipment

CERTIFICATE OF ANALYSIS

Batch: HK0917039
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Tubidimeter

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001030 D

Equipment No. : W.026.09

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 2130B

Date of Calibration : 20 August. 2009

Testing Results :

Expected Reading	Recording Reading
0.0 NTU	0.0 NTU
4.0 NTU	4.0 NTU
10.0 NTU	9.8 NTU
20.0 NTU	20.1 NTU
50.0 NTU	49.7 NTU
100 NTU	100 NTU
Allowing Deviation	±10%

Mr. Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917039
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Conductivity System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001030 D

Equipment No. : W.026.09

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 2510B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
6667 uS/cm 12890 uS/cm 58670 uS/cm	6650 uS/cm 12910 uS/cm 58680 uS/cm
Allowing Deviation	±10%

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917039
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Salinity System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001030 D

Equipment No. : W.026.09

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 2520 A and B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
10.0 g/L 20.0 g/L 30.0 g/L	10.0 g/L 20.1 g/L 30.0 g/L
Allowing Deviation	±10%

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917039
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Thermometer

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001030 D

Equipment No. : W.026.09

Calibration Method : In-house Method

Date of Calibration : 20 August, 2009

Testing Results :

Reference Temperature (^{0}C)	Recorded Temperature (^{0}C)
28.0 ^{0}C 32.1 ^{0}C	27.9 ^{0}C 32.1 ^{0}C
Allowing Deviation	±2.0^{0}C

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917039
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of DO System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001030 D

Equipment No. : W.026.09

Calibration Method : This meter was calibrated in accordance with standard method APHA (18th Ed.) 4500-O C & G

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
7.53 mg/L 9.03 mg/L 10.8 mg/L	7.58 mg/L 9.07 mg/L 10.9 mg/L
Allowing Deviation	±0.2 mg/L

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917039
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of pH System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001030 D

Equipment No. : W.026.09

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 4500-H⁺B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
4.00	4.02
7.00	7.01
10.0	9.98
Allowing Deviation	± 0.2

Mr Chan Kwok Fai Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917038
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Tubidimeter

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001093A

Equipment No. : W.026.23

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 2130B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
0.0 NTU	0.0 NTU
4.0 NTU	4.1 NTU
10.0 NTU	10.1 NTU
20.0 NTU	19.9 NTU
50.0 NTU	49.8 NTU
100 NTU	100 NTU
Allowing Deviation	±10%

Mr Chan Kwok Fai Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917038
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Conductivity System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001093A

Equipment No. : W.026.23

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 2510B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
6667 uS/cm 12890 uS/cm 58670 uS/cm	6630 uS/cm 12870 uS/cm 58640 uS/cm
Allowing Deviation	±10%

Mr.Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917038
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Salinity System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001093A

Equipment No. : W.026.23

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 2520 A and B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
10.0 g/L 20.0 g/L 30.0 g/L	10.8 g/L 20.9 g/L 30.1 g/L
Allowing Deviation	±10%

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917038
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of Thermometer

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001093A

Equipment No. : W.026.23

Calibration Method : In-house Method

Date of Calibration : 20 August, 2009

Testing Results :

Reference Temperature (^{o}C)	Recorded Temperature (^{o}C)
28.0 ^{o}C 33.0 ^{o}C	27.8 ^{o}C 33.4 ^{o}C
Allowing Deviation	±2.0^{o}C

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917038
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of DO System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001093A

Equipment No. : W.026.23

Calibration Method : This meter was calibrated in accordance with standard method APHA (18th Ed.) 4500-O C & G

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
7.46 mg/L 9.29 mg/L 10.8 mg/L	7.50 mg/L 9.23 mg/L 10.7 mg/L
Allowing Deviation	±0.2 mg/L

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0917038
Date of Issue: 25/08/2009
Client:
Client Reference:

Calibration of pH System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 0001093A

Equipment No. : W.026.23

Calibration Method : This meter was calibrated in accordance with standard method APHA (19th Ed.) 4500-H^+B

Date of Calibration : 20 August, 2009

Testing Results :

Expected Reading	Recording Reading
4.00	3.96
7.00	7.02
10.0	10.0
Allowing Deviation	± 0.2

Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

Appendix B

Baseline Water Quality

Monitoring Data

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD7 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	15:05	Middle	5.3	27.0 27.0	27.0	33.0 33.0	33.0	73.90 73.00	73.45	4.89 4.83	4.86	7.83 7.85	7.84	5.5 5.5	5.50	9 8	8.5
23-Oct-09	16:49	Middle	5.3	27.5 27.5	27.5	33.0 33.0	33.0	61.90 59.00	60.45	4.07 3.88	3.98	7.88 7.90	7.89	6.2 5.7	5.95	8 8	8.0
27-Oct-09	6:55	Middle	4.4	27.0 27.0	27.0	33.3 33.4	33.4	72.50 69.10	70.80	4.79 4.57	4.68	7.91 7.92	7.92	6.7 6.2	6.45	10 9	9.5
29-Oct-09	8:53	Middle	5.2	26.7 26.7	26.7	33.3 33.4	33.4	80.80 80.80	80.80	5.37 5.37	5.37	7.97 7.97	7.97	4.3 4.2	4.25	12 11	11.5
31-Oct-09	10:58	Middle	4.4	26.6 26.6	26.6	33.3 33.4	33.3	72.60 71.40	72.00	4.50 4.42	4.46	7.95 7.95	7.95	3.7 4.1	3.90	10 8	9.0
02-Nov-09	12:12	Middle	4.5	26.4 26.5	26.5	32.7 32.9	32.8	82.30 79.80	81.05	5.13 5.06	5.10	8.12 8.16	8.14	6.3 5.9	6.10	12 11	11.5
04-Nov-09	13:32	Middle	5.0	25.5 25.5	25.5	34.1 34.1	34.1	90.90 90.70	90.80	6.14 6.12	6.13	8.18 8.16	8.17	3.2 3.3	3.25	7 9	8.0
06-Nov-09	15:08	Middle	5.3	25.6 25.6	25.6	34.0 34.0	34.0	78.80 78.70	78.75	5.31 5.31	5.31	7.94 7.95	7.95	3.8 3.7	3.75	11 9	10.0
10-Nov-09	6:11	Middle	4.9	25.5 25.5	25.5	33.5 33.5	33.5	89.20 88.20	88.70	6.03 5.97	6.00	8.01 8.00	8.01	3.8 3.7	3.75	8 10	9.0
12-Nov-09	8:13	Middle	5.1	25.9 25.9	25.9	33.6 33.6	33.6	72.00 71.60	71.80	4.84 4.81	4.83	7.97 7.97	7.97	5.1 5.1	5.10	8 7	7.5
14-Nov-09	10:17	Middle	5.3	25.1 25.1	25.1	32.2 32.2	32.2	103.60 104.20	103.90	7.12 7.16	7.14	7.81 7.81	7.81	2.2 2.0	2.10	6 6	6.0
16-Nov-09	12:20	Middle	5.4	24.4 24.4	24.4	32.1 32.1	32.1	112.90 111.00	111.95	7.85 7.72	7.79	7.98 7.98	7.98	2.1 2.1	2.10	7 6	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD7 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	9:35	Middle	5.8	27.1 27.1	27.1	33.2 33.2	33.2	66.50 66.70	66.60	4.40 4.40	4.40	8.09 7.92	8.01	10.2 9.3	9.75	11 12	11.5
23-Oct-09	10:21	Middle	5.5	27.1 27.1	27.1	33.1 33.2	33.2	74.20 66.30	70.25	4.91 4.38	4.65	7.81 7.80	7.81	4.9 5.8	5.35	10 13	11.5
27-Oct-09	15:57	Middle	4.5	27.2 27.2	27.2	33.1 32.9	33.0	63.60 63.70	63.65	4.20 4.23	4.22	7.88 7.90	7.89	7.6 7.4	7.50	12 13	12.5
29-Oct-09	16:12	Middle	5.4	27.0 27.0	27.0	33.2 33.3	33.3	71.90 70.00	70.95	4.76 4.63	4.70	7.94 7.95	7.95	8.0 8.0	8.00	14 14	14.0
31-Oct-09	17:24	Middle	4.6	26.8 26.8	26.8	33.4 33.4	33.4	64.70 70.30	67.50	4.51 4.62	4.57	8.03 8.04	8.04	6.3 5.4	5.85	13 11	12.0
02-Nov-09	6:30	Middle	4.6	26.6 26.6	26.6	33.3 33.4	33.4	74.70 77.30	76.00	5.14 5.16	5.15	8.13 8.14	8.14	5.8 5.0	5.40	13 12	12.5
04-Nov-09	7:18	Middle	5.2	25.4 25.4	25.4	33.6 33.6	33.6	91.90 90.10	91.00	6.23 6.12	6.18	8.29 8.28	8.29	7.1 6.8	6.95	12 14	13.0
06-Nov-09	9:03	Middle	5.5	25.4 25.4	25.4	33.7 33.8	33.8	81.10 80.10	80.60	5.50 5.43	5.47	8.05 8.05	8.05	8.4 8.1	8.25	18 19	18.5
10-Nov-09	13:46	Middle	5.3	25.9 25.8	25.9	33.8 33.8	33.8	77.10 76.90	77.00	5.18 5.17	5.18	7.99 8.00	8.00	6.3 6.0	6.15	12 14	13.0
12-Nov-09	15:30	Middle	5.7	25.8 25.8	25.8	33.5 33.5	33.5	53.80 57.60	55.70	3.38 3.63	3.51	7.87 7.89	7.88	9.8 9.2	9.50	11 11	11.0
14-Nov-09	16:44	Middle	5.5	25.0 25.0	25.0	32.2 32.4	32.3	99.10 98.30	98.70	6.82 6.76	6.79	7.93 7.93	7.93	1.9 1.8	1.85	9 7	8.0
16-Nov-09	6:15	Middle	5.4	24.5 24.5	24.5	32.4 32.4	32.4	107.40 106.50	106.95	7.45 7.38	7.42	7.97 7.97	7.97	1.9 1.8	1.85	8 10	9.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD9 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:52	Middle	8.6	27.2	27.2	33.5	33.4	72.60	72.65	4.78	4.78	7.91	7.91	6.3	6.60	7	7.0
				27.3		33.4		72.70		4.78		7.91		6.9		7	
23-Oct-09	15:47	Middle	9.1	27.2	27.2	33.3	33.2	67.40	66.75	4.44	4.40	7.92	7.93	4.3	4.55	8	8.0
				27.2		33.2		66.10		4.36		7.93		4.8		8	
27-Oct-09	7:59	Middle	8.8	26.6	26.7	33.4	33.5	70.70	70.30	4.70	4.67	7.97	7.99	2.3	2.40	6	5.0
				26.7		33.7		69.90		4.64		8.00		2.5		4	
29-Oct-09	9:45	Middle	9.1	26.6	26.6	33.2	33.2	81.00	79.30	5.39	5.28	7.99	8.00	3.3	3.40	8	8.0
				26.6		33.2		77.60		5.17		8.00		3.5		8	
31-Oct-09	11:57	Middle	8.6	26.6	26.6	33.4	33.5	78.20	76.90	5.22	5.18	8.00	8.02	3.4	3.55	8	7.0
				26.6		33.5		75.60		5.13		8.03		3.7		6	
02-Nov-09	11:12	Middle	9.5	26.1	26.2	33.8	33.9	79.10	78.55	5.28	5.25	8.06	8.10	3.6	3.65	7	8.0
				26.2		34.0		78.00		5.21		8.14		3.7		9	
04-Nov-09	12:40	Middle	9.6	25.3	25.3	34.3	34.3	91.70	91.60	6.20	6.20	8.26	8.27	2.9	2.80	7	6.5
				25.3		34.3		91.50		6.19		8.27		2.7		6	
06-Nov-09	14:13	Middle	8.9	25.4	25.4	33.9	33.9	83.70	83.60	5.66	5.66	8.04	8.05	3.1	3.00	6	6.5
				25.4		33.9		83.50		5.65		8.05		2.9		7	
10-Nov-09	7:18	Middle	9.4	25.6	25.6	33.6	33.6	81.30	80.45	5.49	5.44	7.98	7.98	5.2	5.25	9	9.0
				25.6		33.6		79.60		5.38		7.97		5.3		9	
12-Nov-09	9:04	Middle	8.1	25.6	25.6	33.8	33.9	58.80	59.65	3.59	3.65	7.98	7.99	4.4	4.45	6	5.5
				25.6		33.9		60.50		3.71		7.99		4.5		5	
14-Nov-09	11:27	Middle	9.1	25.0	25.0	32.6	32.6	124.90	124.95	8.57	8.58	7.88	7.88	2.4	2.40	7	6.5
				25.0		32.6		125.00		8.58		7.88		2.4		6	
16-Nov-09	11:18	Middle	8.5	24.3	24.3	32.5	32.5	126.20	126.15	8.77	8.77	7.96	7.96	2.4	2.35	8	8.0
				24.3		32.6		126.10		8.76		7.96		2.3		8	

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD9 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:43	Middle	9.5	27.0 27.0	27.0	33.4 33.4	33.4	71.10 72.80	71.95	4.70 4.82	4.76	7.90 7.97	7.94	4.6 4.6	4.60	11 10	10.5
23-Oct-09	11:22	Middle	9.2	27.1 27.2	27.2	32.8 33.2	33.0	64.50 66.70	65.60	4.27 4.40	4.34	7.86 7.88	7.87	3.4 4.1	3.75	6 6	6.0
27-Oct-09	15:02	Middle	9.0	26.9 26.9	26.9	33.5 33.6	33.5	74.90 74.30	74.60	4.96 4.91	4.94	8.04 8.05	8.05	4.0 4.2	4.10	10 11	10.5
29-Oct-09	15:22	Middle	9.2	26.8 26.8	26.8	33.4 33.4	33.4	73.80 73.70	73.75	4.90 4.89	4.90	8.04 8.04	8.04	3.8 3.8	3.80	8 9	8.5
31-Oct-09	16:32	Middle	9.5	26.8 26.8	26.8	33.5 33.6	33.5	76.90 76.00	76.45	5.10 5.04	5.07	8.08 8.08	8.08	2.2 2.0	2.10	8 6	7.0
02-Nov-09	7:29	Middle	9.6	26.3 26.4	26.4	33.7 33.8	33.7	79.40 82.20	80.80	5.26 5.31	5.29	8.24 8.27	8.26	3.7 3.8	3.75	10 9	9.5
04-Nov-09	8:20	Middle	9.8	25.4 25.4	25.4	33.9 33.9	33.9	95.30 93.80	94.55	6.44 6.34	6.39	8.31 8.30	8.31	3.8 3.7	3.75	9 8	8.5
06-Nov-09	9:58	Middle	9.0	25.3 25.4	25.4	33.8 33.8	33.8	78.80 78.20	78.50	5.34 5.30	5.32	8.05 8.06	8.06	3.7 3.6	3.65	8 8	8.0
10-Nov-09	12:36	Middle	9.8	25.8 25.8	25.8	33.9 33.9	33.9	69.40 68.50	68.95	4.67 4.61	4.64	7.84 7.83	7.84	3.7 3.4	3.55	10 12	11.0
12-Nov-09	14:38	Middle	8.2	25.8 25.8	25.8	33.5 33.6	33.6	53.00 52.50	52.75	3.32 3.41	3.37	7.91 7.94	7.93	4.4 4.3	4.35	7 9	8.0
14-Nov-09	15:42	Middle	9.3	25.0 25.0	25.0	32.4 32.6	32.5	120.00 121.30	120.65	8.25 8.33	8.29	7.93 7.93	7.93	2.1 2.4	2.25	7 5	6.0
16-Nov-09	7:23	Middle	8.6	24.3 24.3	24.3	32.4 32.5	32.4	123.40 123.00	123.20	8.58 8.55	8.57	7.98 7.98	7.98	2.3 2.3	2.30	6 7	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD10 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:12	Middle	6.9	27.1 27.2	27.2	33.7 33.5	33.6	77.30 76.40	76.85	5.09 5.03	5.06	7.99 8.02	8.01	5.2 4.8	5.00	8 7	7.5
23-Oct-09	15:10	Middle	6.5	27.1 27.0	27.0	33.5 33.5	33.5	84.30 81.50	82.90	5.56 5.38	5.47	7.87 7.87	7.87	4.3 3.9	4.10	8 6	7.0
27-Oct-09	8:29	Middle	6.6	26.8 26.8	26.8	33.4 33.6	33.5	69.00 70.20	69.60	4.58 4.66	4.62	8.01 8.04	8.03	3.7 3.5	3.60	9 7	8.0
29-Oct-09	10:11	Middle	6.7	26.5 26.5	26.5	33.3 33.2	33.2	75.90 74.50	75.20	5.06 4.97	5.02	8.09 8.09	8.09	4.9 4.9	4.90	8 8	8.0
31-Oct-09	12:31	Middle	6.7	26.5 26.5	26.5	33.6 33.7	33.7	82.50 87.20	84.85	5.83 5.88	5.86	8.14 8.14	8.14	6.1 6.4	6.25	9 11	10.0
02-Nov-09	10:37	Middle	7.4	26.1 26.1	26.1	34.0 34.0	34.0	80.70 78.90	79.80	5.18 5.14	5.16	8.16 8.18	8.17	3.6 3.7	3.65	6 7	6.5
04-Nov-09	12:16	Middle	6.6	25.3 25.3	25.3	34.4 34.4	34.4	92.90 92.60	92.75	6.29 6.27	6.28	8.36 8.35	8.36	2.7 2.8	2.75	6 8	7.0
06-Nov-09	13:45	Middle	6.7	25.2 25.2	25.2	33.9 33.9	33.9	85.30 84.40	84.85	5.79 5.73	5.76	8.01 8.01	8.01	3.3 3.1	3.20	7 6	6.5
10-Nov-09	7:52	Middle	5.7	25.5 25.5	25.5	33.8 33.8	33.8	64.40 63.40	63.90	4.36 4.29	4.33	7.98 7.99	7.99	2.7 2.8	2.75	8 6	7.0
12-Nov-09	9:30	Middle	5.4	25.4 25.4	25.4	33.9 33.9	33.9	69.30 69.30	69.30	4.70 4.69	4.70	6.06 6.06	6.06	6.1 6.1	6.10	5 6	5.5
14-Nov-09	12:06	Middle	5.0	24.9 24.8	24.9	32.3 32.4	32.4	124.90 122.90	123.90	8.57 8.43	8.50	7.86 7.86	7.86	4.4 4.0	4.20	8 7	7.5
16-Nov-09	10:36	Middle	5.4	24.1 24.1	24.1	32.4 32.4	32.4	95.40 94.70	95.05	6.66 6.61	6.64	7.95 7.95	7.95	2.8 2.7	2.75	4 6	5.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD10 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	11:19	Middle	7.3	26.8 26.8	26.8	33.8 33.9	33.8	77.60 77.10	77.35	5.14 5.10	5.12	8.08 8.11	8.10	5.0 4.3	4.65	9 8	8.5
23-Oct-09	12:02	Middle	6.8	27.0 27.0	27.0	33.5 33.5	33.5	68.30 67.60	67.95	4.51 4.47	4.49	7.94 7.95	7.95	3.1 3.2	3.15	8 6	7.0
27-Oct-09	14:33	Middle	6.8	26.7 26.7	26.7	33.7 33.7	33.7	70.60 70.10	70.35	4.68 4.65	4.67	8.09 8.09	8.09	3.3 3.2	3.25	9 8	8.5
29-Oct-09	14:56	Middle	6.9	26.5 26.5	26.5	33.2 33.4	33.3	91.00 90.20	90.60	6.07 6.01	6.04	8.03 8.03	8.03	5.0 5.0	5.00	8 7	7.5
31-Oct-09	15:58	Middle	7.1	26.6 26.6	26.6	33.7 33.7	33.7	74.10 73.20	73.65	4.93 4.86	4.90	8.06 8.07	8.07	4.9 6.1	5.50	7 8	7.5
02-Nov-09	8:07	Middle	7.5	26.3 26.3	26.3	33.8 33.8	33.8	81.30 83.20	82.25	5.42 5.55	5.49	8.35 8.38	8.37	3.3 2.9	3.10	11 9	10.0
04-Nov-09	8:42	Middle	6.9	25.2 25.2	25.2	33.7 33.6	33.7	95.30 95.10	95.20	6.48 6.46	6.47	8.36 8.37	8.37	4.7 4.5	4.60	8 10	9.0
06-Nov-09	10:30	Middle	6.8	25.4 25.4	25.4	33.5 33.5	33.5	82.30 82.20	82.25	5.59 5.58	5.59	8.07 8.08	8.08	3.0 3.0	3.00	7 9	8.0
10-Nov-09	12:06	Middle	5.9	25.5 25.4	25.5	33.9 33.9	33.9	76.00 74.80	75.40	5.13 5.08	5.11	6.80 6.75	6.78	3.6 3.9	3.75	13 12	12.5
12-Nov-09	14:18	Middle	6.9	25.6 25.6	25.6	33.7 33.8	33.8	51.70 54.40	53.05	3.49 3.68	3.59	7.96 7.97	7.97	7.1 6.5	6.80	5 4	4.5
14-Nov-09	15:01	Middle	5.4	24.8 24.8	24.8	32.4 32.4	32.4	116.10 121.30	118.70	7.98 8.32	8.15	7.85 7.85	7.85	4.9 5.1	5.00	10 9	9.5
16-Nov-09	8:04	Middle	5.7	24.1 24.1	24.1	32.7 32.7	32.7	107.40 107.10	107.25	7.48 7.47	7.48	7.97 7.97	7.97	2.6 2.7	2.65	4 5	4.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD15 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:25	Middle	5.2	27.3 27.3	27.3	33.3 33.4	33.4	74.90 74.20	74.55	4.93 4.88	4.91	7.95 7.99	7.97	7.3 7.5	7.40	6 7	6.5
23-Oct-09	15:20	Middle	5.3	27.3 27.3	27.3	33.2 33.5	33.4	70.70 70.30	70.50	4.65 4.62	4.64	7.88 7.89	7.89	3.1 3.0	3.05	6 5	5.5
27-Oct-09	8:20	Middle	5.5	26.7 26.7	26.7	33.5 33.5	33.5	64.50 63.70	64.10	4.28 4.23	4.26	8.01 8.03	8.02	3.2 3.4	3.30	7 8	7.5
29-Oct-09	10:03	Middle	6.6	26.6 26.6	26.6	33.2 33.2	33.2	73.10 71.90	72.50	4.87 4.79	4.83	8.07 8.07	8.07	3.3 3.5	3.40	8 9	8.5
31-Oct-09	12:21	Middle	5.7	26.5 26.6	26.6	33.4 33.6	33.5	68.90 71.40	70.15	5.14 5.22	5.18	8.14 8.15	8.15	3.8 1.9	2.85	7 5	6.0
02-Nov-09	10:46	Middle	6.3	26.1 26.1	26.1	33.9 34.1	34.0	71.50 69.70	70.60	4.45 4.32	4.39	8.11 8.12	8.12	3.6 3.7	3.65	12 10	11.0
04-Nov-09	12:06	Middle	6.2	25.3 25.3	25.3	34.1 34.3	34.2	94.80 95.60	95.20	6.40 6.46	6.43	8.37 8.38	8.38	6.1 5.8	5.95	11 14	12.5
06-Nov-09	13:53	Middle	5.7	25.4 25.3	25.4	33.8 33.9	33.9	84.80 84.70	84.75	5.75 5.74	5.75	8.04 8.04	8.04	5.7 5.6	5.65	11 9	10.0
10-Nov-09	7:43	Middle	6.5	25.6 25.6	25.6	33.5 33.5	33.5	69.20 68.60	68.90	4.67 4.64	4.66	7.94 7.94	7.94	2.4 2.3	2.35	6 8	7.0
12-Nov-09	9:22	Middle	5.5	25.6 25.6	25.6	33.9 33.9	33.9	43.50 46.90	45.20	2.81 3.04	2.93	7.96 7.97	7.97	5.5 5.7	5.60	10 8	9.0
14-Nov-09	11:51	Middle	6.5	25.0 25.0	25.0	32.7 32.7	32.7	124.50 125.00	124.75	8.54 8.57	8.56	7.85 7.85	7.85	1.6 1.4	1.50	8 8	8.0
16-Nov-09	10:50	Middle	6.6	24.2 24.1	24.2	32.5 32.5	32.5	98.50 97.50	98.00	6.87 6.80	6.84	7.95 7.95	7.95	2.9 2.7	2.80	6 8	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD15 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	11:09	Middle	5.8	26.8 26.8	26.8	33.9 33.9	33.9	77.70 78.20	77.95	5.14 5.17	5.16	8.10 8.13	8.12	5.7 5.2	5.45	7 8	7.5
23-Oct-09	11:52	Middle	5.6	26.9 26.9	26.9	33.6 33.6	33.6	70.80 69.60	70.20	4.68 4.60	4.64	7.97 7.98	7.98	6.3 6.4	6.35	11 10	10.5
27-Oct-09	14:42	Middle	5.6	26.8 26.8	26.8	33.8 33.8	33.8	67.20 66.30	66.75	4.44 4.38	4.41	8.07 8.08	8.08	6.3 5.7	6.00	10 10	10.0
29-Oct-09	15:03	Middle	6.7	26.7 26.7	26.7	33.1 33.4	33.3	67.20 65.70	66.45	4.48 4.37	4.43	7.97 7.98	7.98	3.0 3.0	3.00	9 9	9.0
31-Oct-09	16:08	Middle	6.0	26.6 26.5	26.6	33.5 33.7	33.6	73.40 72.10	72.75	4.88 4.79	4.84	8.06 8.07	8.07	5.6 4.2	4.90	8 8	8.0
02-Nov-09	7:54	Middle	6.6	26.2 26.3	26.3	33.8 34.0	33.9	85.10 85.40	85.25	5.68 5.70	5.69	8.36 8.40	8.38	5.0 4.8	4.90	9 8	8.5
04-Nov-09	8:50	Middle	6.5	25.2 25.2	25.2	33.7 33.8	33.7	96.90 94.80	95.85	6.59 6.45	6.52	8.36 8.35	8.36	5.1 5.5	5.30	10 12	11.0
06-Nov-09	10:20	Middle	5.9	25.3 25.3	25.3	33.9 33.9	33.9	82.90 83.30	83.10	5.63 5.65	5.64	8.07 8.09	8.08	3.5 3.4	3.45	8 10	9.0
10-Nov-09	12:15	Middle	6.6	25.7 25.7	25.7	33.8 33.9	33.8	72.70 72.90	72.80	4.89 4.91	4.90	7.37 7.35	7.36	2.9 2.6	2.75	6 7	6.5
12-Nov-09	14:11	Middle	5.6	25.5 25.5	25.5	33.5 33.6	33.5	48.80 53.60	51.20	3.30 3.63	3.47	7.93 7.94	7.94	5.6 5.5	5.55	8 7	7.5
14-Nov-09	15:20	Middle	6.8	25.0 25.0	25.0	32.6 32.7	32.7	124.10 125.60	124.85	8.52 8.62	8.57	7.88 7.88	7.88	2.3 2.2	2.25	9 8	8.5
16-Nov-09	7:48	Middle	6.7	24.1 24.1	24.1	32.5 31.8	32.2	106.60 106.10	106.35	7.43 7.42	7.43	7.96 7.96	7.96	2.4 2.3	2.35	6 8	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD17 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:37	Middle	6.0	27.2 27.2	27.2	33.4 33.5	33.5	75.60 70.90	73.25	4.99 4.67	4.83	7.93 7.97	7.95	7.8 7.5	7.65	16 15	15.5
23-Oct-09	15:30	Middle	5.5	27.2 27.2	27.2	33.4 33.4	33.4	65.70 63.10	64.40	4.33 4.16	4.25	7.89 7.90	7.90	5.4 4.4	4.90	9 8	8.5
27-Oct-09	8:11	Middle	5.1	26.6 26.7	26.7	33.1 33.5	33.3	75.40 71.00	73.20	5.02 4.72	4.87	7.91 7.98	7.95	3.4 3.5	3.45	8 7	7.5
29-Oct-09	9:55	Middle	6.0	26.5 26.5	26.5	33.3 33.1	33.2	64.70 63.50	64.10	4.31 4.24	4.28	7.96 7.98	7.97	4.6 4.6	4.60	8 9	8.5
31-Oct-09	12:11	Middle	5.4	26.5 26.5	26.5	33.5 33.6	33.6	73.20 80.10	76.65	5.07 5.27	5.17	8.08 8.08	8.08	3.9 3.5	3.70	9 10	9.5
02-Nov-09	10:57	Middle	5.9	26.2 26.2	26.2	33.9 34.0	34.0	68.20 69.20	68.70	4.22 4.29	4.26	8.22 8.21	8.22	4.6 3.7	4.15	12 12	12.0
04-Nov-09	12:25	Middle	5.3	25.3 25.3	25.3	34.3 34.4	34.3	91.60 91.10	91.35	6.20 6.16	6.18	8.33 8.34	8.34	3.5 3.4	3.45	5 7	6.0
06-Nov-09	14:01	Middle	5.5	25.5 25.5	25.5	33.6 33.7	33.7	82.00 82.90	82.45	5.55 5.61	5.58	8.07 8.08	8.08	4.6 4.4	4.50	10 8	9.0
10-Nov-09	7:32	Middle	5.0	25.7 25.7	25.7	33.4 33.5	33.5	79.30 80.10	79.70	5.35 5.41	5.38	7.97 7.95	7.96	4.1 4.3	4.20	9 8	8.5
12-Nov-09	9:14	Middle	5.4	25.5 25.5	25.5	34.0 34.0	34.0	50.00 54.10	52.05	3.13 3.40	3.27	7.99 8.00	8.00	7.3 7.6	7.45	9 9	9.0
14-Nov-09	11:40	Middle	6.4	24.9 25.0	25.0	32.6 32.7	32.7	123.00 122.50	122.75	8.45 8.41	8.43	7.87 7.87	7.87	2.9 3.1	3.00	8 9	8.5
16-Nov-09	11:02	Middle	5.8	24.0 24.0	24.0	32.4 32.4	32.4	102.70 101.50	102.10	7.18 7.09	7.14	7.96 7.96	7.96	2.8 2.5	2.65	11 8	9.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD17 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:57	Middle	6.8	26.8 26.8	26.8	33.7 33.8	33.8	81.30 78.60	79.95	5.38 5.20	5.29	8.02 8.08	8.05	6.2 6.4	6.30	10 10	10.0
23-Oct-09	11:35	Middle	5.5	27.0 27.0	27.0	33.6 33.7	33.6	73.90 73.70	73.80	4.88 4.86	4.87	7.96 7.98	7.97	5.0 5.5	5.25	9 10	9.5
27-Oct-09	14:50	Middle	5.2	26.7 26.7	26.7	33.5 33.6	33.5	74.20 70.20	72.20	4.92 4.66	4.79	7.97 7.98	7.98	6.6 6.7	6.65	11 10	10.5
29-Oct-09	15:11	Middle	6.1	26.9 26.9	26.9	33.1 33.1	33.1	69.30 68.20	68.75	4.60 4.52	4.56	7.98 7.98	7.98	3.6 3.6	3.60	7 7	7.0
31-Oct-09	16:18	Middle	5.6	26.6 26.6	26.6	33.6 33.6	33.6	71.50 72.30	71.90	4.75 4.80	4.78	8.07 8.07	8.07	5.9 5.9	5.90	12 10	11.0
02-Nov-09	7:44	Middle	6.1	26.3 26.3	26.3	33.8 33.9	33.9	87.70 84.40	86.05	5.85 5.34	5.60	8.29 8.33	8.31	4.9 4.8	4.85	8 9	8.5
04-Nov-09	8:32	Middle	5.4	25.1 25.1	25.1	34.0 34.0	34.0	96.20 97.50	96.85	6.53 6.62	6.58	8.33 8.34	8.34	4.8 4.6	4.70	9 8	8.5
06-Nov-09	10:11	Middle	5.6	25.2 25.2	25.2	33.9 33.9	33.9	82.90 82.60	82.75	5.63 5.61	5.62	8.08 8.09	8.09	4.1 4.5	4.30	9 11	10.0
10-Nov-09	12:25	Middle	5.1	25.7 25.7	25.7	33.9 33.9	33.9	77.30 75.90	76.60	5.21 5.12	5.17	7.73 7.72	7.73	5.8 6.2	6.00	13 12	12.5
12-Nov-09	14:28	Middle	5.5	25.7 25.7	25.7	33.7 33.7	33.7	58.00 60.30	59.15	3.91 4.06	3.99	7.92 7.95	7.94	6.0 6.2	6.10	14 13	13.5
14-Nov-09	15:30	Middle	6.5	25.0 25.0	25.0	32.6 32.7	32.7	122.40 122.90	122.65	8.40 8.43	8.42	7.86 7.86	7.86	6.6 6.1	6.35	8 8	8.0
16-Nov-09	7:38	Middle	6.1	24.1 24.1	24.1	32.8 32.8	32.8	127.90 119.00	123.45	8.90 8.29	8.60	7.98 7.98	7.98	2.4 2.4	2.40	6 6	6.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD19 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	15:21	Middle	4.7	27.4 27.4	27.4	33.2 33.2	33.2	71.50 75.00	73.25	4.70 4.93	4.82	7.86 7.88	7.87	8.8 8.4	8.60	14 12	13.0
23-Oct-09	16:18	Middle	4.4	27.4 27.4	27.4	33.0 33.0	33.0	61.40 64.60	63.00	4.04 4.25	4.15	7.94 7.91	7.93	5.3 4.7	5.00	10 9	9.5
27-Oct-09	7:29	Middle	4.6	26.9 26.8	26.9	33.2 33.4	33.3	74.10 75.30	74.70	4.92 4.99	4.96	7.90 7.93	7.92	3.7 3.3	3.50	7 6	6.5
29-Oct-09	9:20	Middle	4.9	26.6 26.6	26.6	33.2 33.3	33.2	70.70 69.60	70.15	4.71 4.63	4.67	7.92 7.92	7.92	5.0 4.9	4.95	8 10	9.0
31-Oct-09	11:29	Middle	4.7	26.6 26.6	26.6	33.4 33.5	33.4	63.30 67.90	65.60	4.07 4.14	4.11	7.94 7.95	7.95	3.8 3.9	3.85	9 9	9.0
02-Nov-09	11:41	Middle	5.4	26.4 26.4	26.4	33.3 33.4	33.3	67.70 70.40	69.05	4.28 4.43	4.36	7.95 7.97	7.96	4.9 5.4	5.15	9 8	8.5
04-Nov-09	13:09	Middle	4.5	25.8 25.8	25.8	33.9 34.0	33.9	98.30 97.50	97.90	6.58 6.55	6.57	8.21 8.20	8.21	3.2 3.4	3.30	9 8	8.5
06-Nov-09	14:40	Middle	4.8	25.6 25.6	25.6	33.8 33.8	33.8	85.70 85.40	85.55	5.78 5.76	5.77	7.84 7.84	7.84	7.0 6.3	6.65	10 8	9.0
10-Nov-09	6:46	Middle	4.8	25.5 25.5	25.5	33.4 33.5	33.4	87.90 87.60	87.75	5.95 5.93	5.94	8.12 8.10	8.11	4.2 4.4	4.30	5 6	5.5
12-Nov-09	8:40	Middle	4.8	25.8 25.8	25.8	33.7 33.7	33.7	53.10 50.40	51.75	2.96 3.02	2.99	8.05 8.06	8.06	4.0 4.2	4.10	9 10	9.5
14-Nov-09	10:54	Middle	5.2	24.9 25.0	25.0	32.4 32.4	32.4	122.00 119.70	120.85	8.39 8.23	8.31	7.86 7.86	7.86	2.1 2.2	2.15	9 7	8.0
16-Nov-09	11:47	Middle	5.2	24.5 24.5	24.5	32.3 32.3	32.3	120.00 118.10	119.05	8.33 8.20	8.27	7.98 7.98	7.98	2.5 2.6	2.55	4 4	4.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD19 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:12	Middle	5.2	27.1 27.1	27.1	33.2 33.2	33.2	65.90 67.40	66.65	4.36 4.45	4.41	7.88 7.89	7.89	6.2 5.8	6.00	9 10	9.5
23-Oct-09	10:53	Middle	4.7	27.1 27.1	27.1	33.0 33.0	33.0	56.10 54.40	55.25	3.71 3.60	3.66	7.78 7.80	7.79	7.0 6.5	6.75	11 11	11.0
27-Oct-09	15:26	Middle	4.8	27.1 27.1	27.1	33.2 33.2	33.2	59.60 57.90	58.75	3.94 3.83	3.89	7.81 7.86	7.84	6.9 6.6	6.75	12 10	11.0
29-Oct-09	15:46	Middle	5.0	27.0 27.0	27.0	33.1 33.1	33.1	75.30 74.30	74.80	4.99 4.92	4.96	7.91 7.92	7.92	4.3 4.3	4.30	7 8	7.5
31-Oct-09	16:55	Middle	5.1	26.8 26.8	26.8	33.4 33.4	33.4	65.30 65.00	65.15	4.33 4.31	4.32	7.96 7.97	7.97	5.6 7.0	6.30	11 13	12.0
02-Nov-09	7:00	Middle	5.5	26.6 26.6	26.6	33.1 33.3	33.2	83.50 81.10	82.30	5.57 5.40	5.49	8.09 8.12	8.11	5.4 4.4	4.90	11 9	10.0
04-Nov-09	7:52	Middle	4.8	25.5 25.6	25.6	33.5 33.6	33.6	94.10 93.30	93.70	6.38 6.31	6.35	8.25 8.26	8.26	4.0 4.1	4.05	8 9	8.5
06-Nov-09	9:31	Middle	5.0	25.4 25.4	25.4	33.7 33.7	33.7	76.20 75.40	75.80	5.17 5.11	5.14	8.03 8.04	8.04	5.2 5.3	5.25	8 10	9.0
10-Nov-09	13:08	Middle	5.4	25.6 25.6	25.6	33.7 33.7	33.7	82.20 81.80	82.00	5.54 5.52	5.53	8.00 8.00	8.00	7.4 7.8	7.60	14 15	14.5
12-Nov-09	15:04	Middle	5.4	25.8 25.8	25.8	33.5 33.5	33.5	52.60 52.60	52.60	3.30 3.42	3.36	7.89 7.91	7.90	9.6 9.2	9.40	12 11	11.5
14-Nov-09	16:10	Middle	5.6	25.0 25.0	25.0	32.4 32.4	32.4	116.80 112.50	114.65	8.03 7.74	7.89	7.95 7.95	7.95	5.1 5.2	5.15	12 11	11.5
16-Nov-09	6:48	Middle	5.3	24.5 24.5	24.5	32.2 32.3	32.2	106.00 103.60	104.80	7.36 7.19	7.28	7.96 7.96	7.96	1.8 1.6	1.70	6 6	6.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD20 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	15:36	Middle	5.0	27.4 27.4	27.4	33.2 33.3	33.3	73.10 73.00	73.05	4.80 4.80	4.80	7.89 7.93	7.91	6.7 6.5	6.60	9 11	10.0
23-Oct-09	16:30	Middle	4.9	27.6 27.6	27.6	33.2 32.8	33.0	69.00 68.10	68.55	4.52 4.48	4.50	7.97 8.00	7.99	4.2 4.2	4.20	5 7	6.0
27-Oct-09	7:16	Middle	4.8	26.8 26.8	26.8	33.5 33.4	33.4	74.20 76.10	75.15	4.92 5.05	4.99	7.95 7.95	7.95	3.1 3.2	3.15	7 8	7.5
29-Oct-09	9:09	Middle	5.1	26.6 26.6	26.6	33.4 33.4	33.4	76.70 75.50	76.10	5.10 5.02	5.06	7.98 7.98	7.98	2.9 2.8	2.85	9 8	8.5
31-Oct-09	11:17	Middle	5.0	26.6 26.6	26.6	33.4 33.4	33.4	77.60 72.80	75.20	4.69 4.43	4.56	7.95 7.95	7.95	4.7 5.9	5.30	11 11	11.0
02-Nov-09	11:53	Middle	5.4	26.3 26.3	26.3	33.5 33.5	33.5	75.70 77.30	76.50	4.86 4.94	4.90	8.02 8.08	8.05	3.5 3.5	3.50	8 7	7.5
04-Nov-09	13:21	Middle	5.1	25.6 25.6	25.6	33.9 33.9	33.9	98.80 96.90	97.85	6.66 6.53	6.60	8.23 8.24	8.24	3.8 3.6	3.70	7 9	8.0
06-Nov-09	14:50	Middle	4.9	25.6 25.6	25.6	32.9 32.7	32.8	87.30 87.10	87.20	5.93 5.92	5.93	7.82 7.82	7.82	5.3 4.9	5.10	8 10	9.0
10-Nov-09	6:34	Middle	5.0	25.5 25.5	25.5	33.4 33.4	33.4	84.60 83.70	84.15	5.74 5.67	5.71	8.03 8.04	8.04	3.0 3.2	3.10	7 7	7.0
12-Nov-09	8:31	Middle	5.0	25.8 25.8	25.8	33.7 33.7	33.7	54.50 55.80	55.15	3.67 3.76	3.72	8.05 8.06	8.06	3.5 3.6	3.55	5 6	5.5
14-Nov-09	10:41	Middle	4.8	24.8 24.8	24.8	32.4 32.4	32.4	114.60 113.60	114.10	7.91 7.84	7.88	7.87 7.87	7.87	2.4 2.1	2.25	7 7	7.0
16-Nov-09	12:00	Middle	5.0	24.4 24.4	24.4	32.5 32.6	32.5	126.30 125.40	125.85	8.76 8.70	8.73	7.98 7.98	7.98	1.9 1.9	1.90	8 9	8.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD20 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	9:58	Middle	5.3	27.0 27.0	27.0	33.3 33.4	33.4	80.30 72.30	76.30	5.31 4.78	5.05	7.93 8.16	8.05	5.9 6.3	6.10	11 12	11.5
23-Oct-09	10:39	Middle	5.1	27.1 27.1	27.1	33.2 33.3	33.2	72.40 69.50	70.95	4.78 4.58	4.68	7.87 7.88	7.88	5.5 5.6	5.55	13 13	13.0
27-Oct-09	15:37	Middle	5.0	27.1 27.1	27.1	32.7 33.2	33.0	57.70 58.80	58.25	3.82 3.88	3.85	7.90 7.91	7.91	3.8 3.5	3.65	8 8	8.0
29-Oct-09	15:56	Middle	5.3	27.0 27.0	27.0	33.1 33.1	33.1	69.40 68.70	69.05	4.59 4.55	4.57	7.93 7.93	7.93	3.0 2.9	2.95	7 6	6.5
31-Oct-09	17:07	Middle	5.3	26.9 26.9	26.9	33.3 33.4	33.4	60.70 62.20	61.45	4.04 4.11	4.08	8.06 8.07	8.07	4.0 3.5	3.75	8 8	8.0
02-Nov-09	6:48	Middle	5.5	26.5 26.4	26.4	33.4 33.5	33.4	84.50 85.20	84.85	5.30 5.35	5.33	8.19 8.20	8.20	5.1 4.6	4.85	9 11	10.0
04-Nov-09	7:41	Middle	5.3	25.4 25.4	25.4	33.8 33.8	33.8	95.70 94.70	95.20	6.48 6.41	6.45	8.34 8.32	8.33	6.3 6.7	6.50	10 13	11.5
06-Nov-09	9:20	Middle	5.0	25.3 25.3	25.3	33.7 33.7	33.7	85.20 85.10	85.15	5.79 5.78	5.79	8.10 8.10	8.10	5.5 5.7	5.60	11 12	11.5
10-Nov-09	13:24	Middle	5.1	25.6 25.7	25.7	33.9 33.9	33.9	79.70 78.90	79.30	5.38 5.32	5.35	8.02 8.03	8.03	4.0 4.3	4.15	7 9	8.0
12-Nov-09	15:14	Middle	5.4	25.9 25.9	25.9	33.1 33.2	33.2	52.80 57.60	55.20	3.18 3.51	3.35	7.83 7.87	7.85	6.5 6.9	6.70	6 7	6.5
14-Nov-09	16:23	Middle	5.0	24.9 24.9	24.9	32.6 32.5	32.6	116.10 116.10	116.10	7.98 7.99	7.99	7.92 7.92	7.92	5.5 5.1	5.30	10 10	10.0
16-Nov-09	6:36	Middle	5.2	24.5 24.5	24.5	32.6 32.7	32.7	123.40 122.80	123.10	8.55 8.50	8.53	7.99 7.99	7.99	1.7 1.7	1.70	6 8	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD21 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:34	Middle	3.3	27.1 27.1	27.1	33.0 33.0	33.0	73.10 73.10	73.10	4.84 4.84	4.84	7.81 7.82	7.82	6.2 6.2	6.20	9 10	9.5
23-Oct-09	15:53	Middle	3.2	27.3 27.3	27.3	33.3 33.3	33.3	55.80 55.50	55.65	3.67 3.65	3.66	7.85 7.85	7.85	5.5 5.8	5.65	11 10	10.5
27-Oct-09	7:41	Middle	3.2	26.8 26.8	26.8	33.3 33.3	33.3	69.30 66.40	67.85	4.60 4.41	4.51	6.81 6.81	6.81	6.0 6.0	6.00	7 9	8.0
29-Oct-09	9:09	Middle	2.9	26.7 26.7	26.7	33.0 33.0	33.0	72.10 70.70	71.40	4.81 4.71	4.76	6.26 6.28	6.27	4.9 5.1	5.00	8 10	9.0
31-Oct-09	11:25	Middle	3.0	26.5 26.5	26.5	33.0 33.0	33.0	78.20 74.50	76.35	5.22 4.98	5.10	6.84 6.84	6.84	4.5 4.3	4.40	11 10	10.5
02-Nov-09	11:54	Middle	2.9	26.4 26.4	26.4	33.7 33.7	33.7	73.50 72.00	72.75	4.90 4.79	4.85	6.81 6.82	6.82	4.8 4.7	4.75	10 11	10.5
04-Nov-09	12:39	Middle	3.4	25.3 25.3	25.3	33.7 33.7	33.7	66.50 65.40	65.95	4.52 4.44	4.48	6.11 6.14	6.13	6.0 5.7	5.85	10 11	10.5
06-Nov-09	14:25	Middle	2.6	25.4 25.4	25.4	33.6 33.6	33.6	58.40 57.60	58.00	3.96 3.90	3.93	6.77 6.78	6.78	5.5 5.3	5.40	9 8	8.5
10-Nov-09	6:40	Middle	2.3	25.5 25.5	25.5	33.2 33.2	33.2	68.80 67.40	68.10	4.65 4.55	4.60	6.74 6.74	6.74	4.4 4.5	4.45	8 8	8.0
12-Nov-09	8:54	Middle	3.3	25.6 25.6	25.6	31.6 31.6	31.6	54.10 54.50	54.30	3.75 3.73	3.74	6.07 6.08	6.08	4.7 4.4	4.55	11 10	10.5
14-Nov-09	10:50	Middle	1.9	25.0 25.0	25.0	33.3 33.3	33.3	67.50 66.10	66.80	4.62 4.52	4.57	7.31 7.33	7.32	5.1 5.0	5.05	10 12	11.0
16-Nov-09	12:09	Middle	4.0	24.3 24.3	24.3	32.3 32.3	32.3	95.70 93.20	94.45	6.67 6.49	6.58	8.15 8.14	8.14	8.6 8.5	8.55	8 8	8.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at WSD21 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:21	Middle	3.4	26.9 26.9	26.9	32.9 32.9	32.9	67.60 67.60	67.60	4.49 4.49	4.49	7.82 7.82	7.82	8.4 8.5	8.45	14 14	14.0
23-Oct-09	10:38	Middle	3.3	26.9 26.9	26.9	33.0 33.0	33.0	59.20 58.20	58.70	3.92 3.86	3.89	7.76 7.77	7.77	6.6 6.9	6.75	14 12	13.0
27-Oct-09	15:48	Middle	3.6	26.7 26.7	26.7	33.3 33.3	33.3	67.00 65.30	66.15	4.45 4.34	4.40	6.68 6.68	6.68	7.9 7.6	7.75	10 10	10.0
29-Oct-09	16:02	Middle	2.9	26.6 26.6	26.6	32.9 32.9	32.9	69.90 69.20	69.55	4.66 4.61	4.64	6.23 6.25	6.24	5.8 6.1	5.95	13 11	12.0
31-Oct-09	17:05	Middle	3.1	26.6 26.6	26.6	32.9 32.9	32.9	73.30 73.00	73.15	4.89 4.87	4.88	6.79 6.79	6.79	4.9 5.0	4.95	11 9	10.0
02-Nov-09	6:39	Middle	3.1	26.3 26.3	26.3	33.0 33.0	33.0	73.10 67.80	70.45	4.90 4.55	4.73	6.64 6.66	6.65	5.0 4.5	4.75	8 7	7.5
04-Nov-09	7:54	Middle	3.9	25.1 25.1	25.1	33.6 33.6	33.6	70.70 69.80	70.25	4.82 4.76	4.79	6.11 6.13	6.12	6.6 6.6	6.60	13 12	12.5
06-Nov-09	9:56	Middle	3.2	25.1 25.1	25.1	33.9 33.9	33.9	69.60 68.70	69.15	4.73 4.67	4.70	6.75 6.76	6.76	6.3 6.3	6.30	10 9	9.5
10-Nov-09	13:42	Middle	2.9	25.5 25.5	25.5	33.1 33.1	33.1	66.60 65.90	66.25	4.50 4.45	4.48	6.78 6.78	6.78	6.7 7.0	6.85	10 11	10.5
12-Nov-09	14:49	Middle	3.5	25.7 25.7	25.7	33.3 33.3	33.3	58.10 57.00	57.55	3.93 3.86	3.90	6.04 6.05	6.05	5.8 5.6	5.70	10 9	9.5
14-Nov-09	15:43	Middle	2.3	24.8 24.8	24.8	32.6 32.5	32.6	51.20 50.40	50.80	3.53 3.48	3.51	7.14 7.16	7.15	4.8 5.2	5.00	11 10	10.5
16-Nov-09	6:49	Middle	4.1	24.2 24.2	24.2	31.4 32.1	31.8	66.60 61.90	64.25	4.66 4.32	4.49	7.92 7.94	7.93	8.4 8.9	8.65	6 4	5.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RW1 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:37	Middle	3.8	27.1 27.1	27.1	33.0 33.0	33.0	68.90 67.70	68.30	4.56 4.48	4.52	7.83 7.83	7.83	6.6 6.6	6.60	9 10	9.5
23-Oct-09	15:47	Middle	3.9	27.1 27.1	27.1	33.3 33.3	33.3	74.80 68.90	71.85	4.93 4.55	4.74	7.84 7.85	7.85	4.9 5.1	5.00	10 12	11.0
27-Oct-09	7:35	Middle	3.8	26.7 26.7	26.7	33.1 33.1	33.1	70.10 67.10	68.60	4.66 4.46	4.56	6.81 6.81	6.81	5.9 5.9	5.90	9 8	8.5
29-Oct-09	9:03	Middle	3.3	26.6 26.6	26.6	33.0 33.0	33.0	72.50 71.80	72.15	4.83 4.78	4.81	6.26 6.28	6.27	4.8 4.8	4.80	9 9	9.0
31-Oct-09	11:37	Middle	3.7	26.5 26.5	26.5	33.0 33.0	33.0	75.70 72.70	74.20	5.06 4.86	4.96	6.88 6.88	6.88	4.6 4.5	4.55	10 10	10.0
02-Nov-09	11:45	Middle	3.7	26.3 26.3	26.3	33.8 33.8	33.8	82.40 84.20	83.30	5.50 5.62	5.56	6.83 6.84	6.84	3.1 2.9	3.00	8 9	8.5
04-Nov-09	12:46	Middle	3.7	25.2 25.2	25.2	33.8 33.8	33.8	68.20 66.50	67.35	4.63 4.52	4.58	6.15 6.17	6.16	5.2 5.1	5.15	10 9	9.5
06-Nov-09	14:15	Middle	3.7	25.4 25.4	25.4	33.6 33.6	33.6	59.00 58.80	58.90	4.01 3.99	4.00	6.79 6.79	6.79	4.2 4.5	4.35	11 9	10.0
10-Nov-09	6:29	Middle	3.8	25.5 25.5	25.5	33.2 33.2	33.2	69.20 68.50	68.85	4.67 4.62	4.65	6.74 6.74	6.74	3.8 4.2	4.00	9 7	8.0
12-Nov-09	8:46	Middle	4.0	25.5 25.6	25.5	33.4 33.3	33.4	56.60 55.80	56.20	3.85 3.78	3.82	6.09 6.08	6.09	4.6 4.4	4.50	10 11	10.5
14-Nov-09	10:40	Middle	3.6	24.9 25.0	25.0	33.4 33.4	33.4	67.80 66.80	67.30	4.63 4.57	4.60	7.35 7.38	7.37	6.4 6.1	6.25	11 10	10.5
16-Nov-09	12:01	Middle	2.7	24.4 24.4	24.4	31.5 32.2	31.8	90.70 89.50	90.10	6.33 6.22	6.28	8.12 8.14	8.13	9.0 8.9	8.95	10 8	9.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RW1 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:29	Middle	3.9	26.9 26.9	26.9	33.0 33.0	33.0	71.50 70.20	70.85	4.74 4.66	4.70	7.85 7.85	7.85	10.4 10.6	10.50	10 8	9.0
23-Oct-09	10:45	Middle	4.0	26.9 26.9	26.9	33.0 33.0	33.0	65.60 65.60	65.60	4.35 4.35	4.35	7.78 7.79	7.79	8.2 8.1	8.15	14 13	13.5
27-Oct-09	15:55	Middle	3.8	26.7 26.7	26.7	33.6 33.6	33.6	65.50 65.00	65.25	4.35 4.32	4.34	6.70 6.70	6.70	7.8 7.7	7.75	10 12	11.0
29-Oct-09	16:08	Middle	4.2	26.6 26.6	26.6	32.9 33.0	33.0	71.20 70.60	70.90	4.75 4.71	4.73	6.27 6.29	6.28	6.4 6.1	6.25	12 12	12.0
31-Oct-09	16:58	Middle	4.1	26.6 26.6	26.6	32.9 32.9	32.9	78.30 78.00	78.15	5.22 5.20	5.21	6.74 6.74	6.74	4.7 5.8	5.25	9 9	9.0
02-Nov-09	6:52	Middle	3.9	26.3 26.3	26.3	33.0 33.0	33.0	78.80 69.50	74.15	5.28 4.66	4.97	6.83 6.84	6.84	4.3 4.0	4.15	9 9	9.0
04-Nov-09	7:44	Middle	3.9	25.1 25.1	25.1	33.5 33.5	33.5	70.20 72.70	71.45	4.79 4.96	4.88	6.19 6.20	6.20	5.6 5.4	5.50	9 11	10.0
06-Nov-09	9:42	Middle	3.9	25.1 25.1	25.1	33.9 33.9	33.9	67.00 66.90	66.95	4.56 4.55	4.56	6.76 6.76	6.76	6.5 6.3	6.40	12 12	12.0
10-Nov-09	13:50	Middle	3.9	25.4 25.5	25.5	33.2 33.2	33.2	67.90 67.30	67.60	4.59 4.55	4.57	6.78 6.78	6.78	4.8 5.3	5.05	10 12	11.0
12-Nov-09	14:40	Middle	4.1	25.6 25.7	25.7	31.5 31.5	31.5	60.10 59.30	59.70	4.11 4.05	4.08	6.03 6.04	6.04	4.7 4.5	4.60	9 9	9.0
14-Nov-09	15:48	Middle	3.7	24.8 24.8	24.8	32.1 32.0	32.1	62.60 59.60	61.10	4.32 4.13	4.23	7.15 7.17	7.16	6.1 5.8	5.95	7 8	7.5
16-Nov-09	7:02	Middle	3.5	24.2 24.2	24.2	32.1 32.1	32.1	65.50 64.10	64.80	4.58 4.47	4.53	7.15 7.13	7.14	7.9 7.9	7.90	6 7	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C1 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:40	Middle	2.6	27.1 27.1	27.1	33.1 33.1	33.1	71.90 68.40	70.15	4.75 4.52	4.64	7.83 7.84	7.84	6.1 6.3	6.20	10 11	10.5
23-Oct-09	16:14	Middle	2.5	27.0 27.0	27.0	33.3 33.3	33.3	70.00 67.80	68.90	4.62 4.48	4.55	7.89 7.90	7.90	6.0 5.4	5.70	6 5	5.5
27-Oct-09	7:14	Middle	2.6	26.7 26.7	26.7	32.8 32.8	32.8	69.70 69.70	69.70	4.64 4.64	4.64	6.47 6.49	6.48	5.1 5.2	5.15	4 5	4.5
29-Oct-09	8:43	Middle	2.9	26.8 26.7	26.7	33.0 33.0	33.0	72.80 72.40	72.60	4.84 4.82	4.83	6.25 6.26	6.26	4.9 4.9	4.90	9 10	9.5
31-Oct-09	11:00	Middle	3.2	26.5 26.5	26.5	33.0 33.0	33.0	72.30 72.10	72.20	4.82 4.81	4.82	6.53 6.55	6.54	4.1 4.5	4.30	10 9	9.5
02-Nov-09	12:00	Middle	2.9	26.2 26.2	26.2	33.8 33.8	33.8	71.90 71.50	71.70	4.80 4.78	4.79	6.79 6.81	6.80	6.0 5.8	5.90	11 9	10.0
04-Nov-09	13:08	Middle	2.6	25.3 25.3	25.3	33.9 33.9	33.9	66.70 67.90	67.30	4.53 4.60	4.57	6.21 6.22	6.22	4.0 3.9	3.95	6 8	7.0
06-Nov-09	14:54	Middle	2.6	25.3 25.3	25.3	33.7 33.7	33.7	69.00 68.00	68.50	4.69 4.61	4.65	6.80 6.82	6.81	3.6 3.7	3.65	6 6	6.0
10-Nov-09	6:10	Middle	3.4	25.4 25.4	25.4	33.2 33.2	33.2	69.50 69.10	69.30	4.68 4.66	4.67	6.80 6.80	6.80	4.0 3.8	3.90	8 8	8.0
12-Nov-09	8:18	Middle	2.7	25.6 25.6	25.6	33.4 33.3	33.4	54.50 53.80	54.15	3.69 3.64	3.67	6.28 6.27	6.28	3.2 3.1	3.15	6 8	7.0
14-Nov-09	10:15	Middle	2.7	24.9 24.9	24.9	33.5 33.5	33.5	64.80 65.30	65.05	4.43 4.47	4.45	7.11 7.15	7.13	4.0 3.7	3.85	9 11	10.0
16-Nov-09	12:32	Middle	5.3	24.3 24.3	24.3	32.3 32.7	32.5	76.50 78.10	77.30	5.33 5.43	5.38	8.26 8.24	8.25	8.4 8.9	8.65	6 7	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C1 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:16	Middle	2.9	27.0 27.0	27.0	32.8 32.8	32.8	68.60 67.00	67.80	4.55 4.44	4.50	7.80 7.80	7.80	5.1 5.4	5.25	8 8	8.0
23-Oct-09	10:18	Middle	2.6	27.0 27.0	27.0	32.9 32.9	32.9	66.00 66.00	66.00	4.38 4.38	4.38	7.89 7.88	7.89	5.5 5.8	5.65	12 11	11.5
27-Oct-09	16:12	Middle	2.7	26.7 26.7	26.7	33.7 33.7	33.7	72.60 70.00	71.30	4.81 4.64	4.73	6.61 6.62	6.62	8.4 8.3	8.35	13 12	12.5
29-Oct-09	16:27	Middle	3.6	26.6 26.7	26.7	32.9 33.0	33.0	70.00 68.10	69.05	4.66 4.54	4.60	6.25 6.28	6.27	6.0 6.2	6.10	18 19	18.5
31-Oct-09	17:11	Middle	3.4	26.7 26.7	26.7	32.9 32.9	32.9	78.10 77.60	77.85	5.20 5.17	5.19	6.77 6.77	6.77	4.9 4.7	4.80	11 10	10.5
02-Nov-09	6:10	Middle	3.5	26.3 26.3	26.3	32.9 32.9	32.9	74.30 71.90	73.10	4.99 4.82	4.91	6.78 6.76	6.77	4.5 3.8	4.15	9 9	9.0
04-Nov-09	7:23	Middle	2.7	25.1 25.1	25.1	33.4 33.4	33.4	82.80 82.10	82.45	5.65 5.60	5.63	5.78 5.81	5.80	4.6 4.8	4.70	10 13	11.5
06-Nov-09	9:10	Middle	2.9	25.2 25.2	25.2	33.9 33.9	33.9	70.40 69.80	70.10	4.79 4.75	4.77	6.66 6.66	6.66	4.8 4.7	4.75	13 11	12.0
10-Nov-09	14:05	Middle	3.5	25.5 25.5	25.5	33.2 33.2	33.2	66.70 64.80	65.75	4.50 4.38	4.44	6.79 6.80	6.80	4.6 4.5	4.55	9 8	8.5
12-Nov-09	15:18	Middle	3.2	25.7 25.6	25.6	33.4 33.4	33.4	58.60 57.90	58.25	3.96 3.91	3.94	6.06 6.07	6.07	4.6 4.4	4.50	10 10	10.0
14-Nov-09	16:22	Middle	2.8	24.8 24.8	24.8	32.6 32.6	32.6	66.00 62.70	64.35	4.55 4.32	4.44	7.12 7.14	7.13	4.4 4.1	4.25	6 8	7.0
16-Nov-09	6:23	Middle	5.9	24.3 24.3	24.3	32.5 32.5	32.5	57.80 58.20	58.00	4.02 4.05	4.04	7.91 7.88	7.90	9.2 8.8	9.00	5 6	5.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C2 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:53	Middle	3.5	27.2 27.2	27.2	32.9 32.9	32.9	67.60 67.60	67.60	4.47 4.47	4.47	7.85 7.85	7.85	4.1 4.2	4.15	8 6	7.0
23-Oct-09	16:05	Middle	1.7	26.9 26.9	26.9	33.4 33.4	33.4	60.80 59.70	60.25	4.03 3.95	3.99	7.89 7.88	7.89	8.7 8.6	8.65	14 15	14.5
27-Oct-09	7:24	Middle	3.2	26.7 26.7	26.7	32.9 32.9	32.9	71.30 68.90	70.10	4.75 4.59	4.67	6.79 6.80	6.80	7.0 7.2	7.10	7 5	6.0
29-Oct-09	8:52	Middle	3.8	26.6 26.6	26.6	33.0 33.0	33.0	75.20 74.60	74.90	5.02 4.97	5.00	6.26 6.27	6.27	3.8 4.0	3.90	10 8	9.0
31-Oct-09	11:11	Middle	3.5	26.5 26.5	26.5	33.0 33.0	33.0	76.60 75.00	75.80	5.11 5.01	5.06	6.85 6.86	6.86	3.7 4.1	3.90	9 8	8.5
02-Nov-09	12:10	Middle	3.5	26.4 26.3	26.3	33.7 33.7	33.7	77.40 75.10	76.25	5.16 5.01	5.09	6.85 6.86	6.86	4.3 4.9	4.60	10 10	10.0
04-Nov-09	13:00	Middle	2.8	25.0 25.0	25.0	34.1 34.1	34.1	74.00 73.70	73.85	5.03 5.01	5.02	6.11 6.13	6.12	7.3 7.5	7.40	8 9	8.5
06-Nov-09	14:41	Middle	3.1	25.3 25.3	25.3	33.6 33.6	33.6	64.90 63.70	64.30	4.41 4.33	4.37	6.80 6.82	6.81	4.2 4.3	4.25	7 9	8.0
10-Nov-09	6:18	Middle	3.5	25.4 25.4	25.4	33.2 33.2	33.2	71.90 71.30	71.60	4.86 4.81	4.84	6.75 6.75	6.75	3.7 3.6	3.65	5 5	5.0
12-Nov-09	8:29	Middle	3.7	25.6 25.6	25.6	33.4 33.4	33.4	57.00 56.60	56.80	3.86 3.83	3.85	6.13 6.13	6.13	2.6 2.5	2.55	7 7	7.0
14-Nov-09	10:24	Middle	3.6	25.0 25.0	25.0	33.0 33.0	33.0	67.00 68.40	67.70	4.59 4.68	4.64	7.34 7.36	7.35	4.0 3.9	3.95	10 9	9.5
16-Nov-09	12:23	Middle	3.1	24.3 24.3	24.3	31.6 32.3	32.0	82.30 79.60	80.95	5.75 5.54	5.65	8.24 8.24	8.24	8.4 8.1	8.25	8 7	7.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C2 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	9:42	Middle	4.1	27.3 27.3	27.3	32.5 32.5	32.5	68.50 67.50	68.00	4.52 4.46	4.49	7.61 7.62	7.62	5.7 5.5	5.60	9 8	8.5
23-Oct-09	10:25	Middle	3.2	27.2 27.3	27.2	32.9 32.9	32.9	64.00 60.10	62.05	4.23 3.96	4.10	7.75 7.75	7.75	5.5 5.6	5.55	12 13	12.5
27-Oct-09	16:05	Middle	3.2	26.9 26.9	26.9	33.4 33.4	33.4	66.40 64.20	65.30	4.39 4.25	4.32	6.64 6.64	6.64	7.8 8.1	7.95	8 10	9.0
29-Oct-09	16:20	Middle	4.3	26.8 26.8	26.8	32.9 32.9	32.9	70.40 69.20	69.80	4.69 4.60	4.65	6.26 6.29	6.28	6.2 6.3	6.25	10 12	11.0
31-Oct-09	17:20	Middle	3.7	26.7 26.7	26.7	32.9 32.9	32.9	73.10 72.50	72.80	4.87 4.83	4.85	6.73 6.73	6.73	6.6 6.2	6.40	10 10	10.0
02-Nov-09	6:21	Middle	3.9	26.3 26.3	26.3	32.9 32.9	32.9	69.90 68.50	69.20	4.69 4.59	4.64	6.81 6.82	6.82	3.7 3.6	3.65	8 8	8.0
04-Nov-09	7:31	Middle	3.6	25.1 25.1	25.1	33.5 33.5	33.5	78.60 73.40	76.00	5.36 5.01	5.19	6.15 6.16	6.16	5.2 4.8	5.00	9 10	9.5
06-Nov-09	9:23	Middle	4.2	25.3 25.3	25.3	33.8 33.8	33.8	69.20 67.70	68.45	4.70 4.60	4.65	6.68 6.70	6.69	6.2 6.0	6.10	9 8	8.5
10-Nov-09	13:59	Middle	3.6	25.9 25.9	25.9	33.1 33.2	33.2	67.10 65.90	66.50	4.53 4.44	4.49	6.78 6.78	6.78	5.8 5.9	5.85	11 10	10.5
12-Nov-09	15:05	Middle	3.9	25.8 25.8	25.8	33.3 33.3	33.3	57.00 56.10	56.55	3.84 3.78	3.81	6.06 6.06	6.06	4.6 4.4	4.50	10 10	10.0
14-Nov-09	16:05	Middle	3.9	24.9 24.9	24.9	32.4 32.4	32.4	65.00 64.40	64.70	4.47 4.44	4.46	7.07 7.05	7.06	5.9 5.6	5.75	9 11	10.0
16-Nov-09	6:35	Middle	3.2	24.2 24.2	24.2	32.0 32.0	32.0	57.10 56.00	56.55	3.99 3.91	3.95	7.46 7.46	7.46	9.0 8.6	8.80	8 6	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C3 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:49	Middle	2.4	27.1 27.1	27.1	33.0 33.0	33.0	71.50 70.20	70.85	4.73 4.64	4.69	7.84 7.84	7.84	5.2 5.3	5.25	8 6	7.0
23-Oct-09	16:00	Middle	5.2	26.9 26.9	26.9	33.4 33.4	33.4	61.60 60.40	61.00	4.08 4.00	4.04	7.89 7.89	7.89	7.0 6.6	6.80	10 10	10.0
27-Oct-09	7:27	Middle	5.6	26.7 26.7	26.7	33.0 33.0	33.0	68.00 66.30	67.15	4.53 4.42	4.48	6.79 6.80	6.80	5.4 5.4	5.40	6 4	5.0
29-Oct-09	8:55	Middle	6.1	26.5 26.5	26.5	33.0 33.0	33.0	74.60 72.50	73.55	4.98 4.84	4.91	6.26 6.29	6.28	4.7 4.6	4.65	11 10	10.5
31-Oct-09	11:16	Middle	6.1	26.5 26.5	26.5	33.0 33.0	33.0	71.40 71.10	71.25	4.77 4.75	4.76	6.82 6.83	6.83	3.8 3.9	3.85	11 9	10.0
02-Nov-09	12:15	Middle	6.1	26.2 26.2	26.2	33.9 33.9	33.9	71.00 70.80	70.90	4.74 4.73	4.74	6.86 6.86	6.86	6.6 6.4	6.50	12 14	13.0
04-Nov-09	12:56	Middle	4.9	25.1 25.2	25.2	34.0 34.0	34.0	70.60 70.50	70.55	4.79 4.79	4.79	6.16 6.17	6.17	6.2 6.0	6.10	8 9	8.5
06-Nov-09	14:37	Middle	5.9	25.2 25.2	25.2	33.7 33.7	33.7	64.00 63.20	63.60	4.35 4.30	4.33	6.79 6.81	6.80	4.5 4.4	4.45	7 6	6.5
10-Nov-09	6:22	Middle	5.2	25.3 25.3	25.3	33.2 33.2	33.2	71.30 69.20	70.25	4.82 4.68	4.75	6.73 6.74	6.74	4.4 4.2	4.30	6 6	6.0
12-Nov-09	8:34	Middle	5.8	25.5 25.5	25.5	33.4 33.4	33.4	60.10 59.00	59.55	4.07 4.00	4.04	6.11 6.12	6.12	2.8 2.7	2.75	7 8	7.5
14-Nov-09	10:29	Middle	6.1	24.9 24.9	24.9	33.3 33.3	33.3	67.20 66.40	66.80	4.60 4.55	4.58	7.41 7.44	7.43	4.7 4.9	4.80	9 10	9.5
16-Nov-09	12:18	Middle	5.3	24.3 24.3	24.3	31.6 32.3	31.9	89.10 87.40	88.25	6.22 6.09	6.16	8.14 8.13	8.13	8.9 8.8	8.85	7 6	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C3 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	9:51	Middle	3.9	26.9 26.9	26.9	32.6 32.6	32.6	67.20 66.10	66.65	4.46 4.39	4.43	7.71 7.71	7.71	8.5 7.8	8.15	9 10	9.5
23-Oct-09	10:30	Middle	5.4	27.0 27.0	27.0	32.9 32.9	32.9	63.70 61.70	62.70	4.22 4.09	4.16	7.75 7.75	7.75	6.1 6.0	6.05	14 11	12.5
27-Oct-09	16:02	Middle	5.9	26.8 26.8	26.8	33.5 33.5	33.5	66.60 65.70	66.15	4.42 4.36	4.39	6.66 6.66	6.66	7.8 7.5	7.65	9 7	8.0
29-Oct-09	16:17	Middle	6.5	26.7 26.7	26.7	32.9 32.9	32.9	69.00 69.30	69.15	4.60 4.61	4.61	6.31 6.32	6.32	7.4 6.4	6.90	11 11	11.0
31-Oct-09	17:24	Middle	6.5	26.6 26.6	26.6	32.9 32.9	32.9	75.70 75.30	75.50	5.05 5.02	5.04	6.72 6.72	6.72	4.7 4.8	4.75	15 15	15.0
02-Nov-09	6:26	Middle	6.2	26.3 26.3	26.3	32.9 32.9	32.9	75.60 72.30	73.95	5.07 4.85	4.96	6.78 6.80	6.79	3.3 3.2	3.25	8 9	8.5
04-Nov-09	7:35	Middle	6.1	25.1 25.1	25.1	33.5 33.5	33.5	78.30 77.90	78.10	5.34 5.31	5.33	6.22 6.23	6.23	6.2 6.5	6.35	10 10	10.0
06-Nov-09	9:30	Middle	6.2	25.1 25.1	25.1	33.9 33.9	33.9	67.90 67.30	67.60	4.61 4.58	4.60	6.71 6.72	6.72	4.7 4.5	4.60	14 12	13.0
10-Nov-09	13:56	Middle	5.5	25.5 25.5	25.5	33.2 33.2	33.2	65.70 66.00	65.85	4.44 4.45	4.45	6.75 6.76	6.76	5.7 5.9	5.80	12 11	11.5
12-Nov-09	15:00	Middle	6.3	25.7 25.7	25.7	33.0 33.0	33.0	58.70 58.20	58.45	3.97 3.95	3.96	6.05 6.05	6.05	4.8 4.6	4.70	10 10	10.0
14-Nov-09	16:00	Middle	6.2	24.8 24.8	24.8	32.1 32.1	32.1	61.70 60.60	61.15	4.27 4.18	4.23	7.08 7.09	7.09	3.8 3.9	3.85	12 10	11.0
16-Nov-09	6:40	Middle	5.4	24.3 24.3	24.3	32.4 32.3	32.4	62.00 61.00	61.50	4.32 4.25	4.29	7.88 7.87	7.88	8.3 8.2	8.25	6 7	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C4 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:46	Middle	2.3	27.0 27.0	27.0	33.1 33.1	33.1	73.20 72.90	73.05	4.84 4.83	4.84	7.79 7.82	7.81	6.8 6.8	6.80	11 12	11.5
23-Oct-09	15:58	Middle	2.4	27.0 27.0	27.0	33.3 33.3	33.3	60.40 59.20	59.80	3.99 3.91	3.95	7.89 7.89	7.89	5.4 5.4	5.40	9 10	9.5
27-Oct-09	7:31	Middle	2.4	26.7 26.7	26.7	33.0 33.0	33.0	68.80 66.70	67.75	4.58 4.44	4.51	6.83 6.83	6.83	6.6 6.3	6.45	8 8	8.0
29-Oct-09	8:59	Middle	2.7	26.5 26.5	26.5	33.0 33.0	33.0	71.50 71.30	71.40	4.77 4.76	4.77	6.27 6.28	6.28	5.0 4.8	4.90	7 6	6.5
31-Oct-09	11:20	Middle	2.7	26.5 26.5	26.5	33.0 33.0	33.0	71.60 71.10	71.35	4.79 4.75	4.77	6.86 6.86	6.86	4.4 4.0	4.20	10 10	10.0
02-Nov-09	12:19	Middle	3.2	26.2 26.2	26.2	33.8 33.8	33.8	72.40 71.90	72.15	4.84 4.80	4.82	6.86 6.86	6.86	6.1 5.5	5.80	13 12	12.5
04-Nov-09	12:53	Middle	2.6	25.2 25.2	25.2	33.9 33.9	33.9	69.00 67.90	68.45	4.69 4.61	4.65	6.06 6.08	6.07	6.6 6.2	6.40	13 14	13.5
06-Nov-09	14:31	Middle	2.7	25.2 25.2	25.2	33.6 33.6	33.6	60.20 59.50	59.85	4.09 4.05	4.07	6.78 6.79	6.79	4.1 4.3	4.20	9 10	9.5
10-Nov-09	6:25	Middle	2.1	25.4 25.4	25.4	33.2 33.2	33.2	68.20 68.00	68.10	4.61 4.60	4.61	6.73 6.73	6.73	5.1 4.8	4.95	6 7	6.5
12-Nov-09	8:40	Middle	3.0	25.5 25.5	25.5	32.2 32.3	32.3	56.90 56.20	56.55	3.88 3.83	3.86	6.10 6.11	6.11	2.8 3.0	2.90	8 10	9.0
14-Nov-09	10:34	Middle	2.4	25.0 25.0	25.0	33.6 33.6	33.6	66.70 65.60	66.15	4.56 4.48	4.52	7.35 7.38	7.37	4.8 4.7	4.75	11 13	12.0
16-Nov-09	12:13	Middle	3.1	24.3 24.4	24.4	32.4 32.0	32.2	80.20 77.10	78.65	5.58 5.37	5.48	8.18 8.17	8.17	8.8 9.0	8.90	8 9	8.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C4 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:09	Middle	2.4	27.0 27.0	27.0	32.7 32.7	32.7	67.20 64.70	65.95	4.46 4.29	4.38	7.75 7.77	7.76	6.8 7.6	7.20	11 12	11.5
23-Oct-09	10:33	Middle	2.5	27.1 27.1	27.1	32.9 32.9	32.9	63.70 60.60	62.15	4.22 4.01	4.12	7.75 7.76	7.76	7.2 7.2	7.20	14 14	14.0
27-Oct-09	15:59	Middle	2.5	26.9 26.9	26.9	33.4 33.4	33.4	68.80 67.30	68.05	4.55 4.45	4.50	6.68 6.68	6.68	7.0 7.0	7.00	11 9	10.0
29-Oct-09	16:13	Middle	3.4	26.6 26.6	26.6	32.9 32.9	32.9	68.60 67.70	68.15	4.58 4.51	4.55	6.24 6.26	6.25	9.3 8.3	8.80	15 14	14.5
31-Oct-09	17:27	Middle	2.9	26.7 26.7	26.7	32.8 32.8	32.8	76.80 74.90	75.85	5.12 4.99	5.06	6.64 6.65	6.65	5.1 5.5	5.30	10 9	9.5
02-Nov-09	6:30	Middle	3.5	26.3 26.3	26.3	32.9 32.9	32.9	70.20 69.50	69.85	4.71 4.66	4.69	6.80 6.81	6.81	3.3 3.2	3.25	7 7	7.0
04-Nov-09	7:38	Middle	2.9	25.2 25.2	25.2	33.5 33.5	33.5	77.00 76.40	76.70	5.24 5.20	5.22	6.13 6.15	6.14	5.9 5.7	5.80	9 10	9.5
06-Nov-09	9:36	Middle	2.8	25.2 25.2	25.2	33.9 33.9	33.9	67.40 66.80	67.10	4.58 4.54	4.56	6.72 6.73	6.73	6.4 6.1	6.25	14 13	13.5
10-Nov-09	13:53	Middle	2.7	25.6 25.6	25.6	33.2 33.2	33.2	65.30 64.40	64.85	4.42 4.35	4.39	6.77 6.76	6.77	6.8 6.5	6.65	10 11	10.5
12-Nov-09	14:55	Middle	3.1	25.8 25.8	25.8	33.0 33.0	33.0	57.20 56.40	56.80	3.87 3.81	3.84	6.06 6.05	6.06	5.4 5.6	5.50	11 11	11.0
14-Nov-09	15:54	Middle	2.7	24.8 24.8	24.8	31.9 31.9	31.9	57.40 57.20	57.30	3.97 3.95	3.96	7.15 7.16	7.16	4.6 4.7	4.65	12 14	13.0
16-Nov-09	6:43	Middle	3.2	24.3 24.3	24.3	32.4 32.3	32.4	62.50 61.30	61.90	4.34 4.26	4.30	8.02 8.03	8.02	9.4 9.1	9.25	12 10	11.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C5 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:31	Middle	2.8	27.0 27.0	27.0	33.1 33.1	33.1	64.30 64.30	64.30	4.26 4.26	4.26	7.86 7.86	7.86	7.7 7.9	7.80	10 11	10.5
23-Oct-09	15:50	Middle	2.6	27.3 27.3	27.3	33.3 33.3	33.3	61.90 59.90	60.90	4.07 3.94	4.01	7.85 7.85	7.85	5.3 5.5	5.40	11 13	12.0
27-Oct-09	7:44	Middle	3.0	26.8 26.8	26.8	33.4 33.4	33.4	64.90 63.00	63.95	4.31 4.18	4.25	6.85 6.85	6.85	6.3 6.2	6.25	8 8	8.0
29-Oct-09	9:12	Middle	2.9	26.6 26.6	26.6	33.0 33.0	33.0	72.60 71.90	72.25	4.84 4.79	4.82	6.27 6.28	6.28	5.1 5.0	5.05	9 11	10.0
31-Oct-09	11:29	Middle	2.9	26.5 26.5	26.5	33.0 33.0	33.0	75.70 71.90	73.80	5.06 4.81	4.94	6.85 6.85	6.85	4.8 4.7	4.75	12 10	11.0
02-Nov-09	11:50	Middle	3.0	26.4 26.5	26.5	33.7 33.7	33.7	77.90 75.50	76.70	5.19 5.02	5.11	6.83 6.84	6.84	4.2 4.1	4.15	12 13	12.5
04-Nov-09	12:35	Middle	2.8	25.3 25.3	25.3	33.8 33.8	33.8	72.60 67.40	70.00	4.93 4.58	4.76	5.99 6.05	6.02	4.9 5.4	5.15	11 14	12.5
06-Nov-09	14:20	Middle	2.6	25.4 25.4	25.4	33.6 33.6	33.6	58.70 58.30	58.50	3.98 3.96	3.97	6.74 6.76	6.75	7.4 7.7	7.55	11 12	11.5
10-Nov-09	6:44	Middle	2.0	25.5 25.5	25.5	33.3 33.2	33.2	69.30 68.60	68.95	4.68 4.63	4.66	6.75 6.75	6.75	4.4 4.4	4.40	8 8	8.0
12-Nov-09	8:59	Middle	2.7	25.6 25.6	25.6	33.4 33.4	33.4	59.10 58.00	58.55	3.99 3.92	3.96	6.04 6.06	6.05	4.9 4.7	4.80	16 14	15.0
14-Nov-09	10:55	Middle	2.7	25.0 25.0	25.0	33.5 33.5	33.5	69.70 69.50	69.60	4.76 4.75	4.76	7.30 7.33	7.32	6.7 6.4	6.55	11 10	10.5
16-Nov-09	12:05	Middle	3.5	24.5 24.5	24.5	32.1 32.1	32.1	87.90 87.90	87.90	6.11 6.11	6.11	8.15 8.14	8.14	9.3 9.4	9.35	7 8	7.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C5 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:25	Middle	3.0	27.5 27.5	27.5	32.9 32.9	32.9	69.20 68.00	68.60	4.55 4.48	4.52	7.79 7.79	7.79	9.3 9.0	9.15	14 15	14.5
23-Oct-09	10:41	Middle	2.9	27.0 26.9	27.0	33.0 33.0	33.0	73.60 65.10	69.35	4.88 4.32	4.60	7.79 7.80	7.80	6.7 6.5	6.60	15 13	14.0
27-Oct-09	15:45	Middle	3.1	26.7 26.8	26.8	33.2 33.2	33.2	67.10 65.60	66.35	4.46 4.36	4.41	6.63 6.63	6.63	7.3 7.2	7.25	11 12	11.5
29-Oct-09	15:59	Middle	3.1	26.6 26.6	26.6	32.9 32.9	32.9	70.40 69.00	69.70	4.70 4.60	4.65	6.19 6.22	6.21	7.4 7.5	7.45	11 12	11.5
31-Oct-09	17:01	Middle	3.1	26.6 26.6	26.6	32.9 32.9	32.9	75.50 73.80	74.65	5.03 4.92	4.98	6.77 6.78	6.78	4.7 4.7	4.70	9 10	9.5
02-Nov-09	6:43	Middle	3.2	26.2 26.2	26.2	33.0 33.0	33.0	79.00 69.20	74.10	5.31 4.65	4.98	6.77 6.80	6.79	3.6 3.2	3.40	5 6	5.5
04-Nov-09	7:58	Middle	3.1	25.0 25.0	25.0	33.6 33.6	33.6	70.70 69.40	70.05	4.83 4.73	4.78	6.12 6.14	6.13	5.9 5.6	5.75	10 11	10.5
06-Nov-09	9:51	Middle	2.8	25.1 25.1	25.1	33.9 33.9	33.9	69.70 68.50	69.10	4.74 4.66	4.70	6.75 6.75	6.75	6.4 6.3	6.35	16 14	15.0
10-Nov-09	13:40	Middle	2.5	25.5 25.5	25.5	33.1 33.1	33.1	67.10 65.70	66.40	4.54 4.44	4.49	6.72 6.74	6.73	6.6 6.9	6.75	10 10	10.0
12-Nov-09	14:44	Middle	3.0	25.6 25.6	25.6	33.0 33.0	33.0	57.10 56.20	56.65	3.87 3.81	3.84	6.03 6.03	6.03	5.3 5.5	5.40	10 9	9.5
14-Nov-09	15:37	Middle	2.8	24.7 24.8	24.8	32.7 32.8	32.8	55.30 53.10	54.20	3.81 3.67	3.74	7.17 7.19	7.18	4.9 5.0	4.95	16 13	14.5
16-Nov-09	6:53	Middle	3.6	24.2 24.2	24.2	31.9 30.7	31.3	63.40 61.60	62.50	4.43 4.33	4.38	7.86 7.85	7.86	9.1 8.6	8.85	6 6	6.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C6 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:22	Middle	1.9	27.0 27.0	27.0	32.5 32.6	32.6	56.10 56.30	56.20	3.74 3.71	3.73	7.72 7.77	7.75	5.5 5.2	5.35	7 8	7.5
23-Oct-09	15:34	Middle	1.9	27.3 27.3	27.3	32.8 32.8	32.8	55.70 50.70	53.20	3.68 3.35	3.52	7.73 7.73	7.73	5.6 5.6	5.60	10 8	9.0
27-Oct-09	7:52	Middle	1.9	26.5 26.6	26.6	33.0 33.0	33.0	64.30 57.70	61.00	4.29 3.85	4.07	6.70 6.71	6.71	6.2 6.3	6.25	7 7	7.0
29-Oct-09	9:18	Middle	2.1	26.5 26.5	26.5	32.5 32.5	32.5	46.10 44.50	45.30	3.08 2.98	3.03	6.24 6.25	6.25	4.8 4.8	4.80	9 8	8.5
31-Oct-09	11:45	Middle	1.9	26.5 26.5	26.5	32.5 32.6	32.6	67.00 51.30	59.15	4.49 3.43	3.96	6.73 6.74	6.74	5.8 6.1	5.95	12 10	11.0
02-Nov-09	11:33	Middle	2.5	26.3 26.3	26.3	33.2 33.4	33.3	66.60 64.00	65.30	4.46 4.28	4.37	6.74 6.76	6.75	3.8 3.9	3.85	10 8	9.0
04-Nov-09	12:29	Middle	1.6	25.3 25.3	25.3	33.3 33.3	33.3	65.70 62.90	64.30	4.47 4.28	4.38	6.07 6.09	6.08	5.4 5.0	5.20	6 6	6.0
06-Nov-09	14:01	Middle	1.8	25.5 25.5	25.5	33.0 33.1	33.0	56.10 55.40	55.75	3.80 3.76	3.78	6.70 6.71	6.71	4.0 4.0	4.00	8 8	8.0
10-Nov-09	6:51	Middle	1.7	25.5 25.5	25.5	32.9 32.9	32.9	42.80 41.20	42.00	2.92 2.82	2.87	6.65 6.65	6.65	5.0 4.8	4.90	9 7	8.0
12-Nov-09	9:06	Middle	1.9	25.5 25.6	25.6	33.1 33.1	33.1	41.40 40.90	41.15	2.81 2.77	2.79	5.99 6.00	6.00	4.3 4.3	4.30	7 6	6.5
14-Nov-09	11:02	Middle	1.8	24.9 24.9	24.9	32.8 32.8	32.8	56.70 55.40	56.05	3.89 3.80	3.85	7.14 7.18	7.16	5.3 5.2	5.25	10 8	9.0
16-Nov-09	11:50	Middle	2.1	24.3 24.3	24.3	31.9 32.0	32.0	80.80 74.70	77.75	5.64 5.21	5.43	8.19 8.18	8.19	8.9 8.6	8.75	10 8	9.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C6 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:41	Middle	2.3	26.9 27.0	26.9	32.4 32.4	32.4	53.60 51.70	52.65	3.51 3.44	3.48	7.82 7.79	7.81	5.4 5.4	5.40	6 7	6.5
23-Oct-09	10:55	Middle	2.1	27.0 27.0	27.0	32.6 32.6	32.6	42.60 39.70	41.15	2.83 2.63	2.73	7.72 7.73	7.73	5.8 5.7	5.75	10 8	9.0
27-Oct-09	15:39	Middle	2.1	26.9 26.9	26.9	32.6 32.6	32.6	53.60 49.50	51.55	3.56 3.29	3.43	6.63 6.63	6.63	7.4 7.3	7.35	10 11	10.5
29-Oct-09	15:53	Middle	2.2	27.0 27.0	27.0	32.2 32.2	32.2	56.00 49.50	52.75	3.73 3.29	3.51	6.17 6.21	6.19	6.3 5.7	6.00	10 9	9.5
31-Oct-09	16:46	Middle	2.0	26.9 26.9	26.9	32.2 32.2	32.2	60.50 58.80	59.65	4.03 3.92	3.98	6.69 6.69	6.69	4.1 4.0	4.05	8 6	7.0
02-Nov-09	6:59	Middle	2.6	26.5 26.5	26.5	32.9 32.7	32.8	61.30 57.20	59.25	3.85 3.76	3.81	6.64 6.69	6.67	5.6 5.8	5.70	8 10	9.0
04-Nov-09	8:04	Middle	1.8	25.0 25.0	25.0	33.1 33.1	33.1	56.20 54.70	55.45	3.85 3.74	3.80	5.90 5.92	5.91	4.8 4.5	4.65	4 6	5.0
06-Nov-09	10:04	Middle	1.9	25.1 25.1	25.1	33.1 33.1	33.1	50.60 48.90	49.75	3.46 3.34	3.40	6.62 6.63	6.63	3.2 3.3	3.25	10 9	9.5
10-Nov-09	13:32	Middle	2.1	25.8 25.7	25.7	32.8 32.8	32.8	52.70 46.20	49.45	3.57 3.13	3.35	6.67 6.70	6.69	5.3 5.1	5.20	7 7	7.0
12-Nov-09	14:31	Middle	2.1	25.7 25.7	25.7	32.9 32.9	32.9	40.90 39.90	40.40	2.76 2.70	2.73	5.95 5.96	5.96	3.6 3.7	3.65	10 12	11.0
14-Nov-09	15:25	Middle	2.3	24.8 24.8	24.8	32.0 32.0	32.0	45.70 46.20	45.95	3.16 3.19	3.18	7.22 7.26	7.24	4.5 4.3	4.40	8 7	7.5
16-Nov-09	7:10	Middle	2.2	24.3 24.3	24.3	32.1 32.1	32.1	45.20 45.90	45.55	3.15 3.20	3.18	7.65 7.64	7.65	8.0 7.7	7.85	6 8	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C7 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:18	Middle	2.2	27.0 27.0	27.0	32.6 32.7	32.7	55.50 55.00	55.25	3.67 3.65	3.66	7.76 7.77	7.77	4.8 4.5	4.65	5 6	5.5
23-Oct-09	15:37	Middle	1.8	27.4 27.4	27.4	32.8 32.8	32.8	57.50 53.50	55.50	3.79 3.52	3.66	7.72 7.72	7.72	3.8 4.0	3.90	8 6	7.0
27-Oct-09	7:56	Middle	2.3	26.7 26.7	26.7	33.5 33.6	33.6	55.50 55.90	55.70	3.69 3.71	3.70	6.82 6.83	6.83	5.6 5.6	5.60	5 5	5.0
29-Oct-09	9:22	Middle	2.3	26.6 26.6	26.6	32.6 32.7	32.6	53.50 52.80	53.15	3.58 3.53	3.56	6.28 6.28	6.28	4.3 4.3	4.30	8 7	7.5
31-Oct-09	11:49	Middle	2.0	26.5 26.5	26.5	32.6 32.6	32.6	61.10 57.90	59.50	4.09 3.88	3.99	6.85 6.89	6.87	4.0 3.7	3.85	6 5	5.5
02-Nov-09	11:27	Middle	2.6	26.2 26.2	26.2	33.3 33.2	33.3	71.60 67.90	69.75	4.80 4.56	4.68	6.74 6.75	6.75	2.9 2.6	2.75	9 8	8.5
04-Nov-09	12:25	Middle	2.1	25.2 25.3	25.2	33.6 33.5	33.5	72.30 68.40	70.35	4.92 4.65	4.79	6.05 6.05	6.05	2.8 2.9	2.85	10 8	9.0
06-Nov-09	13:56	Middle	2.0	25.5 25.4	25.5	33.1 33.2	33.2	58.60 58.30	58.45	3.98 3.96	3.97	6.70 6.70	6.70	3.4 3.3	3.35	9 7	8.0
10-Nov-09	6:54	Middle	1.9	25.4 25.4	25.4	33.1 33.2	33.2	50.20 49.50	49.85	3.42 3.37	3.40	6.59 6.65	6.62	4.8 4.3	4.55	7 7	7.0
12-Nov-09	9:12	Middle	2.0	25.5 25.6	25.6	32.9 32.9	32.9	44.40 43.90	44.15	3.01 2.98	3.00	5.98 5.99	5.99	2.7 2.6	2.65	7 4	5.5
14-Nov-09	11:07	Middle	2.4	24.8 24.8	24.8	32.5 32.5	32.5	57.10 56.90	57.00	3.94 3.92	3.93	7.26 7.29	7.28	3.6 3.6	3.60	5 6	5.5
16-Nov-09	11:46	Middle	1.9	24.2 24.3	24.2	31.8 31.8	31.8	73.60 73.30	73.45	5.15 5.12	5.14	8.21 8.23	8.22	8.2 7.9	8.05	8 6	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C7 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:51	Middle	2.4	26.9 26.9	26.9	32.7 32.7	32.7	61.20 58.80	60.00	4.07 3.91	3.99	7.82 7.82	7.82	5.8 5.5	5.65	6 7	6.5
23-Oct-09	11:01	Middle	2.7	27.0 27.0	27.0	32.9 33.0	33.0	52.90 50.90	51.90	3.51 3.38	3.45	7.86 7.87	7.87	6.8 6.5	6.65	11 13	12.0
27-Oct-09	15:35	Middle	2.4	26.9 26.9	26.9	32.8 32.9	32.8	56.60 50.50	53.55	3.76 3.35	3.56	6.62 6.63	6.63	5.5 5.5	5.50	10 8	9.0
29-Oct-09	15:49	Middle	2.5	26.8 26.8	26.8	32.7 32.6	32.7	63.50 61.50	62.50	4.23 4.09	4.16	6.21 6.24	6.23	7.7 7.3	7.50	12 11	11.5
31-Oct-09	16:42	Middle	2.4	26.7 26.7	26.7	32.5 32.6	32.6	64.00 62.80	63.40	4.27 4.19	4.23	6.65 6.66	6.66	4.8 4.6	4.70	6 8	7.0
02-Nov-09	7:05	Middle	2.7	26.4 26.4	26.4	32.9 32.9	32.9	64.60 53.80	59.20	4.32 3.60	3.96	6.73 6.75	6.74	4.7 4.6	4.65	9 9	9.0
04-Nov-09	8:08	Middle	2.2	25.2 25.2	25.2	33.5 33.5	33.5	57.10 56.10	56.60	3.89 3.82	3.86	6.03 6.05	6.04	4.9 5.0	4.95	8 8	8.0
06-Nov-09	10:08	Middle	2.5	25.2 25.2	25.2	33.6 33.6	33.6	57.10 55.60	56.35	3.89 3.78	3.84	6.67 6.67	6.67	4.5 4.4	4.45	9 9	9.0
10-Nov-09	13:28	Middle	2.1	25.6 25.7	25.6	32.9 32.9	32.9	60.20 58.20	59.20	4.07 3.93	4.00	6.67 6.68	6.68	4.8 4.7	4.75	8 6	7.0
12-Nov-09	14:26	Middle	2.1	25.7 25.7	25.7	33.1 33.1	33.1	42.40 41.70	42.05	2.87 2.82	2.85	5.94 5.95	5.95	3.7 3.8	3.75	8 10	9.0
14-Nov-09	15:21	Middle	2.5	24.7 24.7	24.7	32.6 32.6	32.6	44.70 45.10	44.90	3.09 3.12	3.11	7.27 7.30	7.29	3.9 4.2	4.05	7 7	7.0
16-Nov-09	7:15	Middle	2.8	24.3 24.3	24.3	32.0 31.9	32.0	56.90 52.40	54.65	3.97 3.65	3.81	7.06 7.08	7.07	8.2 7.9	8.05	9 9	9.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C8 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:09	Middle	2.4	27.1 27.1	27.1	33.1 33.1	33.1	75.00 72.30	73.65	4.96 4.78	4.87	7.76 7.75	7.76	6.6 6.8	6.70	10 12	11.0
23-Oct-09	15:23	Middle	2.3	27.1 27.1	27.1	33.5 33.5	33.5	70.40 68.80	69.60	4.64 4.54	4.59	7.80 7.81	7.81	7.0 7.2	7.10	13 12	12.5
27-Oct-09	8:07	Middle	2.0	26.5 26.5	26.5	33.6 33.6	33.6	66.70 66.70	66.70	4.44 4.44	4.44	6.74 6.74	6.74	7.4 7.4	7.40	9 9	9.0
29-Oct-09	9:32	Middle	2.4	26.5 26.5	26.5	32.9 32.9	32.9	66.00 65.90	65.95	4.41 4.40	4.41	6.28 6.28	6.28	6.0 6.2	6.10	12 12	12.0
31-Oct-09	12:01	Middle	2.5	26.5 26.5	26.5	33.0 33.0	33.0	70.80 70.50	70.65	4.73 4.71	4.72	6.80 6.80	6.80	5.3 4.9	5.10	12 10	11.0
02-Nov-09	11:15	Middle	2.3	26.1 26.1	26.1	33.8 33.8	33.8	74.00 73.30	73.65	4.95 4.90	4.93	6.75 6.75	6.75	6.6 6.0	6.30	12 14	13.0
04-Nov-09	12:15	Middle	2.2	25.1 25.1	25.1	33.9 33.9	33.9	84.80 84.50	84.65	5.76 5.74	5.75	6.05 6.06	6.06	5.8 5.8	5.80	12 13	12.5
06-Nov-09	13:43	Middle	2.2	25.3 25.3	25.3	33.6 33.7	33.6	79.90 78.90	79.40	5.42 5.36	5.39	6.64 6.67	6.66	4.5 4.4	4.45	9 11	10.0
10-Nov-09	7:13	Middle	2.1	25.4 25.4	25.4	33.3 33.3	33.3	62.70 62.60	62.65	4.25 4.24	4.25	6.75 6.75	6.75	5.1 5.1	5.10	10 9	9.5
12-Nov-09	9:23	Middle	2.2	25.6 25.6	25.6	33.4 33.4	33.4	60.80 59.60	60.20	4.11 4.03	4.07	6.03 6.05	6.04	6.3 6.7	6.50	8 9	8.5
14-Nov-09	11:20	Middle	2.5	24.9 24.9	24.9	33.6 33.6	33.6	64.30 65.40	64.85	4.39 4.47	4.43	7.32 7.36	7.34	5.6 5.8	5.70	10 10	10.0
16-Nov-09	11:35	Middle	2.4	24.2 24.2	24.2	32.2 32.3	32.3	91.70 90.90	91.30	6.39 6.33	6.36	8.23 8.25	8.24	9.9 9.9	9.90	8 9	8.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C8 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:58	Middle	2.6	26.9 26.9	26.9	33.1 33.1	33.1	74.80 74.80	74.80	4.96 4.96	4.96	7.86 7.85	7.86	8.9 9.0	8.95	12 10	11.0
23-Oct-09	11:11	Middle	2.4	27.0 27.0	27.0	33.1 33.1	33.1	63.30 61.50	62.40	4.19 4.07	4.13	7.81 7.82	7.82	9.4 10.1	9.75	21 18	19.5
27-Oct-09	15:27	Middle	2.2	26.6 26.6	26.6	33.2 33.2	33.2	58.50 54.50	56.50	3.90 3.63	3.77	6.59 6.61	6.60	10.0 10.1	10.05	15 13	14.0
29-Oct-09	15:35	Middle	2.5	26.5 26.5	26.5	33.0 32.9	33.0	62.30 60.50	61.40	4.16 4.04	4.10	6.16 6.19	6.18	8.6 9.0	8.80	16 16	16.0
31-Oct-09	16:32	Middle	2.6	26.5 26.5	26.5	32.8 32.8	32.8	69.30 67.80	68.55	4.63 4.53	4.58	6.65 6.67	6.66	5.8 6.3	6.05	14 13	13.5
02-Nov-09	7:17	Middle	2.5	26.1 26.1	26.1	33.2 33.2	33.2	60.00 58.00	59.00	4.03 3.90	3.97	6.67 6.70	6.69	4.8 4.8	4.80	10 10	10.0
04-Nov-09	8:17	Middle	2.6	24.9 24.9	24.9	33.7 33.7	33.7	63.80 63.20	63.50	4.36 4.32	4.34	5.98 6.00	5.99	6.5 6.4	6.45	13 12	12.5
06-Nov-09	10:21	Middle	2.3	25.3 25.2	25.3	33.9 33.9	33.9	65.30 65.10	65.20	4.43 4.42	4.43	6.74 6.75	6.75	9.3 9.6	9.45	19 16	17.5
10-Nov-09	13:20	Middle	2.3	25.5 25.5	25.5	33.1 33.1	33.1	59.00 57.20	58.10	4.00 3.88	3.94	6.67 6.71	6.69	7.3 7.7	7.50	14 11	12.5
12-Nov-09	14:13	Middle	2.3	25.5 25.5	25.5	33.3 33.2	33.3	58.80 58.10	58.45	3.98 3.94	3.96	6.04 6.05	6.05	6.5 6.6	6.55	24 20	22.0
14-Nov-09	15:10	Middle	2.6	24.7 24.7	24.7	32.6 32.6	32.6	67.30 66.30	66.80	4.65 4.57	4.61	7.28 7.29	7.29	5.4 5.8	5.60	14 15	14.5
16-Nov-09	7:28	Middle	2.6	24.2 24.3	24.2	32.4 31.5	32.0	91.50 90.50	91.00	6.37 6.33	6.35	7.01 7.03	7.02	11.3 11.5	11.40	7 5	6.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C9 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:01	Middle	2.0	26.9 27.0	26.9	33.2 33.2	33.2	75.60 77.50	76.55	5.01 5.13	5.07	7.73 7.79	7.76	9.7 9.5	9.60	20 17	18.5
23-Oct-09	15:19	Middle	2.0	27.0 27.0	27.0	33.5 33.5	33.5	82.30 68.10	75.20	5.43 4.50	4.97	7.82 7.83	7.83	8.6 8.7	8.65	10 13	11.5
27-Oct-09	8:12	Middle	2.0	26.5 26.5	26.5	33.7 33.7	33.7	69.80 66.90	68.35	4.64 4.45	4.55	6.73 6.74	6.74	8.1 8.0	8.05	10 10	10.0
29-Oct-09	9:35	Middle	2.1	26.5 26.5	26.5	32.9 33.0	33.0	71.50 69.40	70.45	4.78 4.64	4.71	6.26 6.27	6.27	6.4 6.2	6.30	13 13	13.0
31-Oct-09	12:06	Middle	2.5	26.4 26.4	26.4	33.0 33.0	33.0	72.90 71.10	72.00	4.88 4.75	4.82	6.79 6.80	6.80	5.6 6.2	5.90	13 14	13.5
02-Nov-09	11:11	Middle	2.4	26.1 26.1	26.1	33.9 33.9	33.9	58.20 60.20	59.20	3.89 4.03	3.96	6.75 6.76	6.76	6.5 6.5	6.50	13 11	12.0
04-Nov-09	12:12	Middle	2.5	25.1 25.1	25.1	34.0 34.0	34.0	83.60 83.10	83.35	5.69 5.65	5.67	6.06 6.07	6.07	8.0 7.6	7.80	14 13	13.5
06-Nov-09	13:37	Middle	1.8	25.2 25.2	25.2	33.7 33.7	33.7	78.10 76.70	77.40	5.31 5.21	5.26	6.65 6.66	6.66	5.2 5.5	5.35	12 14	13.0
10-Nov-09	7:18	Middle	2.3	25.4 25.4	25.4	33.2 33.3	33.3	68.20 66.10	67.15	4.62 4.48	4.55	6.75 6.75	6.75	5.2 5.2	5.20	8 8	8.0
12-Nov-09	9:28	Middle	2.2	25.5 25.5	25.5	33.1 33.1	33.1	58.10 57.10	57.60	3.94 3.87	3.91	6.05 6.06	6.06	5.9 5.9	5.90	12 13	12.5
14-Nov-09	11:24	Middle	2.0	24.9 24.8	24.9	33.4 33.4	33.4	66.30 66.80	66.55	4.54 4.58	4.56	7.32 7.34	7.33	5.8 6.1	5.95	14 12	13.0
16-Nov-09	11:30	Middle	2.2	24.2 24.2	24.2	31.0 30.6	30.8	84.50 83.60	84.05	5.93 5.89	5.91	7.88 7.87	7.87	8.1 8.5	8.30	7 7	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at C9 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	11:18	Middle	2.2	26.9 26.9	26.9	33.2 33.2	33.2	74.40 72.10	73.25	4.93 4.78	4.86	7.88 7.86	7.87	8.2 8.1	8.15	11 11	11.0
23-Oct-09	11:16	Middle	2.4	26.9 26.9	26.9	33.1 33.1	33.1	57.80 57.40	57.60	3.83 3.81	3.82	7.86 7.86	7.86	10.2 10.2	10.20	23 20	21.5
27-Oct-09	15:22	Middle	2.2	26.5 26.5	26.5	33.1 33.1	33.1	63.20 51.90	57.55	4.22 3.46	3.84	6.52 6.58	6.55	10.9 11.2	11.05	23 23	23.0
29-Oct-09	15:31	Middle	2.6	26.5 26.5	26.5	32.8 32.8	32.8	53.20 51.60	52.40	3.55 3.45	3.50	6.10 6.13	6.12	10.4 10.8	10.60	23 24	23.5
31-Oct-09	16:27	Middle	2.6	26.4 26.4	26.4	32.9 32.9	32.9	60.50 59.60	60.05	4.05 3.99	4.02	6.58 6.64	6.61	9.9 9.9	9.90	19 18	18.5
02-Nov-09	7:22	Middle	3.2	26.2 26.2	26.2	33.3 33.3	33.3	73.20 66.40	69.80	4.90 4.45	4.68	6.69 6.72	6.71	5.1 5.6	5.35	10 11	10.5
04-Nov-09	8:21	Middle	2.6	25.0 25.0	25.0	33.7 33.7	33.7	67.10 65.50	66.30	4.58 4.47	4.53	6.05 6.08	6.07	7.6 7.8	7.70	14 14	14.0
06-Nov-09	10:27	Middle	1.9	25.1 25.1	25.1	33.9 33.9	33.9	68.50 67.40	67.95	4.66 4.59	4.63	6.73 6.74	6.74	8.4 8.0	8.20	12 12	12.0
10-Nov-09	13:16	Middle	2.4	25.5 25.5	25.5	33.1 33.1	33.1	49.90 48.30	49.10	3.39 3.29	3.34	6.73 6.74	6.74	8.4 7.9	8.15	13 13	13.0
12-Nov-09	14:09	Middle	2.3	25.5 25.5	25.5	33.5 33.5	33.5	58.90 57.90	58.40	3.99 3.92	3.96	6.06 6.06	6.06	7.5 7.1	7.30	18 19	18.5
14-Nov-09	15:06	Middle	2.1	24.6 24.6	24.6	32.5 32.5	32.5	65.30 64.90	65.10	4.51 4.48	4.50	7.30 7.32	7.31	7.0 6.9	6.95	16 14	15.0
16-Nov-09	7:35	Middle	2.4	24.3 24.3	24.3	32.2 32.3	32.3	90.80 88.00	89.40	6.33 6.13	6.23	7.00 7.02	7.01	9.3 8.6	8.95	6 6	6.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RC1 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:56	Middle	5.3	27.1 27.1	27.1	33.0 33.0	33.0	68.10 66.90	67.50	4.51 4.43	4.47	7.84 7.85	7.85	5.0 4.9	4.95	7 8	7.5
23-Oct-09	16:09	Middle	5.2	27.0 27.0	27.0	33.3 33.3	33.3	59.10 58.30	58.70	3.91 3.86	3.89	7.89 7.89	7.89	4.7 4.6	4.65	7 6	6.5
27-Oct-09	7:20	Middle	5.5	26.7 26.7	26.7	32.9 32.9	32.9	62.90 61.00	61.95	4.18 4.06	4.12	6.72 6.75	6.74	5.1 5.3	5.20	6 4	5.0
29-Oct-09	8:49	Middle	5.6	26.5 26.5	26.5	32.9 32.9	32.9	71.00 70.90	70.95	4.74 4.74	4.74	6.27 6.27	6.27	6.2 6.2	6.20	9 10	9.5
31-Oct-09	11:05	Middle	5.5	26.4 26.5	26.4	33.0 32.9	33.0	68.40 68.80	68.60	4.58 4.60	4.59	6.78 6.81	6.80	4.4 4.3	4.35	10 9	9.5
02-Nov-09	12:06	Middle	5.6	26.3 26.3	26.3	33.7 33.7	33.7	71.70 70.40	71.05	4.79 4.70	4.75	6.79 6.83	6.81	4.4 4.3	4.35	10 12	11.0
04-Nov-09	13:03	Middle	5.3	25.2 25.2	25.2	33.9 33.9	33.9	69.50 68.20	68.85	4.71 4.63	4.67	6.15 6.17	6.16	3.9 4.1	4.00	6 7	6.5
06-Nov-09	14:48	Middle	6.2	25.2 25.2	25.2	33.7 33.6	33.7	61.50 61.20	61.35	4.18 4.16	4.17	6.84 6.84	6.84	4.3 4.3	4.30	8 9	8.5
10-Nov-09	6:15	Middle	5.9	25.3 25.3	25.3	33.2 33.2	33.2	67.70 67.60	67.65	4.58 4.58	4.58	6.76 6.75	6.76	4.4 4.3	4.35	7 7	7.0
12-Nov-09	8:24	Middle	1.6	25.6 25.6	25.6	33.2 33.2	33.2	58.80 57.60	58.20	3.98 3.90	3.94	6.12 6.13	6.13	2.5 2.5	2.50	9 8	8.5
14-Nov-09	10:20	Middle	5.1	25.0 24.9	25.0	33.4 33.3	33.4	67.40 67.10	67.25	4.61 4.59	4.60	7.26 7.30	7.28	4.3 4.2	4.25	8 6	7.0
16-Nov-09	12:27	Middle	5.4	24.3 24.3	24.3	29.6 26.9	28.2	82.80 82.60	82.70	5.86 5.93	5.90	8.22 8.21	8.22	9.7 9.4	9.55	6 7	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RC1 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	9:38	Middle	5.5	27.0 27.0	27.0	32.4 32.4	32.4	62.50 62.50	62.50	4.15 4.15	4.15	7.51 7.52	7.52	5.7 6.0	5.85	7 7	7.0
23-Oct-09	10:22	Middle	5.3	27.1 27.1	27.1	32.9 32.9	32.9	63.10 63.10	63.10	4.18 4.18	4.18	7.77 7.77	7.77	5.5 5.5	5.50	10 10	10.0
27-Oct-09	16:08	Middle	5.6	26.8 26.8	26.8	33.5 33.5	33.5	66.70 64.90	65.80	4.42 4.30	4.36	6.66 6.66	6.66	7.9 8.0	7.95	8 7	7.5
29-Oct-09	16:23	Middle	5.7	26.8 26.8	26.8	32.9 32.9	32.9	70.00 69.50	69.75	4.65 4.62	4.64	6.26 6.28	6.27	6.5 5.8	6.15	14 12	13.0
31-Oct-09	17:16	Middle	5.7	26.7 26.7	26.7	32.8 32.9	32.9	75.00 74.00	74.50	5.00 4.93	4.97	6.75 6.75	6.75	5.0 5.3	5.15	9 10	9.5
02-Nov-09	6:16	Middle	5.8	26.3 26.3	26.3	32.9 32.9	32.9	67.50 67.00	67.25	4.53 4.49	4.51	6.77 6.80	6.79	3.4 3.2	3.30	8 7	7.5
04-Nov-09	7:28	Middle	5.5	25.1 25.1	25.1	33.4 33.4	33.4	85.00 84.50	84.75	5.80 5.77	5.79	6.08 6.11	6.10	4.3 4.7	4.50	8 8	8.0
06-Nov-09	9:17	Middle	6.3	25.2 25.2	25.2	33.8 33.8	33.8	66.50 65.70	66.10	4.52 4.46	4.49	6.67 6.68	6.68	5.9 5.7	5.80	16 15	15.5
10-Nov-09	14:02	Middle	6.0	25.7 25.6	25.7	33.1 33.1	33.1	66.70 66.20	66.45	4.49 4.46	4.48	6.78 6.79	6.79	5.0 4.9	4.95	9 10	9.5
12-Nov-09	15:12	Middle	2.8	25.9 25.9	25.9	33.2 33.2	33.2	57.80 56.70	57.25	3.90 3.82	3.86	6.07 6.07	6.07	4.0 4.1	4.05	6 8	7.0
14-Nov-09	16:10	Middle	5.2	24.8 24.8	24.8	32.5 32.5	32.5	68.90 68.70	68.80	4.77 4.75	4.76	7.02 7.07	7.05	5.5 5.3	5.40	11 14	12.5
16-Nov-09	6:30	Middle	5.5	24.3 24.3	24.3	32.3 32.3	32.3	52.00 52.90	52.45	3.62 3.68	3.65	7.40 7.38	7.39	8.3 8.4	8.35	5 7	6.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RC5 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:28	Middle	3.9	27.0 27.1	27.0	33.1 33.0	33.1	71.50 69.60	70.55	4.73 4.61	4.67	7.79 7.80	7.80	6.1 6.1	6.10	8 9	8.5
23-Oct-09	15:44	Middle	3.8	27.1 27.1	27.1	33.3 33.3	33.3	61.40 61.40	61.40	4.05 4.05	4.05	7.84 7.84	7.84	4.2 4.2	4.20	7 7	7.0
27-Oct-09	7:38	Middle	3.5	26.8 26.8	26.8	33.3 33.3	33.3	63.40 62.70	63.05	4.21 4.16	4.19	6.85 6.85	6.85	5.9 5.9	5.90	5 6	5.5
29-Oct-09	9:06	Middle	3.7	26.6 26.6	26.6	33.0 33.0	33.0	72.40 71.00	71.70	4.83 4.73	4.78	6.27 6.29	6.28	5.0 4.9	4.95	10 9	9.5
31-Oct-09	11:33	Middle	3.8	26.5 26.5	26.5	33.0 33.0	33.0	73.50 71.10	72.30	4.92 4.76	4.84	6.81 6.84	6.83	3.9 4.4	4.15	8 9	8.5
02-Nov-09	11:41	Middle	4.1	26.3 26.3	26.3	33.8 33.8	33.8	84.60 83.70	84.15	5.64 5.58	5.61	6.69 6.70	6.70	4.6 5.6	5.10	9 9	9.0
04-Nov-09	12:43	Middle	4.0	25.2 25.2	25.2	33.9 33.9	33.9	68.00 68.00	68.00	4.61 4.62	4.62	6.21 6.21	6.21	4.8 4.5	4.65	10 10	10.0
06-Nov-09	14:10	Middle	3.7	25.4 25.4	25.4	33.6 33.6	33.6	60.80 59.60	60.20	4.13 4.04	4.09	6.75 6.76	6.76	4.9 4.7	4.80	8 9	8.5
10-Nov-09	6:35	Middle	3.7	25.5 25.5	25.5	33.2 33.2	33.2	69.10 67.70	68.40	4.67 4.57	4.62	6.74 6.74	6.74	3.7 3.8	3.75	8 7	7.5
12-Nov-09	8:49	Middle	3.8	25.5 25.6	25.6	33.4 33.4	33.4	56.10 55.70	55.90	3.79 3.77	3.78	6.06 6.06	6.06	3.7 4.0	3.85	11 10	10.5
14-Nov-09	10:45	Middle	3.8	25.0 25.0	25.0	33.4 33.5	33.5	67.00 67.80	67.40	4.58 4.63	4.61	7.31 7.35	7.33	4.5 4.4	4.45	10 9	9.5
16-Nov-09	11:57	Middle	3.6	24.3 24.3	24.3	32.4 32.3	32.3	99.20 95.60	97.40	6.91 6.66	6.79	8.25 8.23	8.24	8.4 8.4	8.40	9 9	9.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RC5 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:34	Middle	4.0	26.9 26.9	26.9	33.0 33.0	33.0	68.50 68.60	68.55	4.54 4.55	4.55	7.85 7.85	7.85	6.4 6.4	6.40	15 13	14.0
23-Oct-09	10:48	Middle	3.9	26.9 26.9	26.9	33.0 33.0	33.0	59.50 59.10	59.30	3.94 3.92	3.93	7.87 7.88	7.88	7.5 7.4	7.45	12 10	11.0
27-Oct-09	15:52	Middle	3.8	26.7 26.7	26.7	33.5 33.5	33.5	68.00 67.50	67.75	4.52 4.48	4.50	6.68 6.69	6.69	7.6 7.5	7.55	11 12	11.5
29-Oct-09	16:05	Middle	3.7	26.6 26.6	26.6	32.9 32.9	32.9	71.00 70.70	70.85	4.74 4.72	4.73	6.27 6.28	6.28	6.4 6.1	6.25	12 11	11.5
31-Oct-09	16:54	Middle	3.9	26.6 26.6	26.6	32.9 32.9	32.9	79.20 79.80	79.50	5.28 5.32	5.30	6.69 6.69	6.69	4.0 3.9	3.95	8 7	7.5
02-Nov-09	6:48	Middle	4.2	26.3 26.3	26.3	33.0 33.0	33.0	66.00 64.80	65.40	4.42 4.34	4.38	6.82 6.84	6.83	4.2 4.3	4.25	9 7	8.0
04-Nov-09	7:47	Middle	4.1	25.1 25.1	25.1	33.5 33.5	33.5	70.40 69.70	70.05	4.80 4.76	4.78	6.20 6.22	6.21	6.1 6.6	6.35	10 10	10.0
06-Nov-09	9:46	Middle	3.8	25.1 25.1	25.1	33.9 33.9	33.9	70.10 68.50	69.30	4.76 4.66	4.71	6.73 6.74	6.74	5.2 5.3	5.25	12 11	11.5
10-Nov-09	13:46	Middle	3.8	25.4 25.4	25.4	33.2 33.2	33.2	67.70 67.40	67.55	4.58 4.56	4.57	6.77 6.77	6.77	5.2 5.3	5.25	8 8	8.0
12-Nov-09	14:36	Middle	3.9	25.6 25.6	25.6	33.1 33.0	33.1	57.50 56.80	57.15	3.89 3.85	3.87	6.03 6.04	6.04	6.2 5.9	6.05	10 9	9.5
14-Nov-09	15:32	Middle	3.9	24.8 24.8	24.8	32.5 32.5	32.5	57.50 56.80	57.15	3.96 3.91	3.94	7.23 7.26	7.25	4.1 4.1	4.10	8 10	9.0
16-Nov-09	6:57	Middle	3.7	24.2 24.2	24.2	32.1 32.1	32.1	61.90 62.30	62.10	4.32 4.35	4.34	7.79 7.79	7.79	9.3 9.4	9.35	6 7	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RC7 - Mid-Ebb Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	14:16	Middle	1.9	27.0 27.0	27.0	32.6 32.7	32.7	55.50 55.90	55.70	3.69 3.71	3.70	7.67 7.70	7.69	5.5 5.7	5.60	6 5	5.5
23-Oct-09	15:30	Middle	1.6	27.4 27.4	27.4	32.8 32.8	32.8	63.40 57.80	60.60	4.17 3.81	3.99	7.66 7.66	7.66	4.4 4.3	4.35	13 12	12.5
27-Oct-09	7:58	Middle	1.6	26.6 26.6	26.6	33.1 33.1	33.1	68.60 61.20	64.90	4.57 4.07	4.32	6.81 6.81	6.81	9.3 8.0	8.65	10 10	10.0
29-Oct-09	9:25	Middle	1.2	26.5 26.5	26.5	32.5 32.5	32.5	61.10 54.80	57.95	4.09 3.67	3.88	6.24 6.25	6.25	5.0 4.5	4.75	10 8	9.0
31-Oct-09	11:53	Middle	1.5	26.6 26.6	26.6	32.6 32.6	32.6	62.20 59.80	61.00	4.16 4.00	4.08	6.87 6.87	6.87	4.3 4.2	4.25	10 10	10.0
02-Nov-09	11:23	Middle	1.7	26.2 26.2	26.2	33.3 33.2	33.3	71.30 67.70	69.50	4.78 4.54	4.66	6.61 6.64	6.63	4.5 4.2	4.35	8 7	7.5
04-Nov-09	12:22	Middle	1.7	25.2 25.2	25.2	33.4 33.4	33.4	74.10 72.20	73.15	5.04 4.91	4.98	5.97 5.99	5.98	5.4 4.9	5.15	9 10	9.5
06-Nov-09	13:50	Middle	1.5	25.4 25.5	25.5	33.2 33.2	33.2	57.90 57.20	57.55	3.94 3.88	3.91	6.65 6.67	6.66	4.9 4.5	4.70	9 9	9.0
10-Nov-09	6:57	Middle	1.9	25.4 25.4	25.4	33.2 33.2	33.2	57.80 51.50	54.65	3.93 3.51	3.72	6.71 6.72	6.72	6.1 6.8	6.45	8 8	8.0
12-Nov-09	9:16	Middle	1.3	25.6 25.6	25.6	32.3 32.3	32.3	40.10 39.60	39.85	2.73 2.70	2.72	5.98 5.99	5.99	3.5 3.5	3.50	9 7	8.0
14-Nov-09	11:12	Middle	1.3	24.8 24.8	24.8	32.3 32.4	32.3	51.80 52.50	52.15	3.58 3.62	3.60	7.28 7.33	7.31	4.2 4.4	4.30	10 8	9.0
16-Nov-09	11:42	Middle	1.3	24.0 24.0	24.0	31.0 31.0	31.0	78.40 78.40	78.40	5.53 5.53	5.53	8.20 8.20	8.20	8.9 8.9	8.90	7 7	7.0

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Baseline Water Water Quality Monitoring Results

Water Quality Monitoring Results at RC7 - Mid-Flood Tide

Date	Sampling Time	Depth (m)		Temperature (^{o}C)		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		pH		Turbidity(NTU)		Suspended Solids (mg/L)	
				Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
21-Oct-09	10:44	Middle	2.3	26.9 26.9	26.9	32.7 32.7	32.7	53.10 53.10	53.10	3.53 3.53	3.53	7.81 7.81	7.81	4.9 4.9	4.90	8 8	8.0
23-Oct-09	11:03	Middle	1.7	27.1 27.1	27.1	32.3 32.3	32.3	53.70 47.80	50.75	3.57 3.17	3.37	7.83 7.83	7.83	4.0 4.1	4.05	11 13	12.0
27-Oct-09	15:32	Middle	1.7	26.9 27.0	27.0	32.8 32.8	32.8	76.20 55.30	65.75	5.06 3.67	4.37	6.48 6.52	6.50	7.7 7.5	7.60	25 22	23.5
29-Oct-09	15:46	Middle	1.4	27.0 27.0	27.0	32.4 32.4	32.4	62.60 60.50	61.55	4.16 4.02	4.09	6.18 6.21	6.20	5.5 5.3	5.40	9 9	9.0
31-Oct-09	16:38	Middle	1.7	26.9 26.8	26.9	32.4 32.4	32.4	64.10 62.10	63.10	4.27 4.14	4.21	6.51 6.55	6.53	4.8 4.8	4.80	7 7	7.0
02-Nov-09	7:09	Middle	1.8	26.3 26.3	26.3	32.7 32.7	32.7	60.20 55.60	57.90	4.04 3.73	3.89	6.78 6.79	6.79	4.3 4.1	4.20	7 6	6.5
04-Nov-09	8:11	Middle	1.9	25.1 25.1	25.1	33.4 33.5	33.4	56.90 53.80	55.35	3.88 3.66	3.77	6.15 6.17	6.16	5.0 5.1	5.05	8 7	7.5
06-Nov-09	10:13	Middle	1.6	25.2 25.2	25.2	33.2 33.2	33.2	52.90 51.50	52.20	3.60 3.51	3.56	6.65 6.67	6.66	5.2 5.4	5.30	9 9	9.0
10-Nov-09	13:26	Middle	2.0	25.9 25.9	25.9	32.5 32.4	32.4	59.30 57.20	58.25	4.00 3.86	3.93	6.67 6.68	6.68	4.6 4.5	4.55	6 7	6.5
12-Nov-09	14:21	Middle	1.4	25.7 25.8	25.8	32.4 32.5	32.4	25.40 24.60	25.00	1.71 1.67	1.69	5.92 5.93	5.93	3.4 3.3	3.35	6 7	6.5
14-Nov-09	15:16	Middle	1.4	24.6 24.6	24.6	32.3 32.3	32.3	31.10 30.50	30.80	2.16 2.12	2.14	7.24 7.27	7.26	3.4 3.1	3.25	10 10	10.0
16-Nov-09	7:19	Middle	2.0	24.2 24.3	24.2	31.8 31.9	31.9	61.90 61.90	61.90	4.32 4.32	4.32	7.02 7.02	7.02	8.9 8.7	8.80	7 6	6.5

Remark: * Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

Appendix C

Laboratory Results

CERTIFICATE OF ANALYSIS

Client	: **CHUNG SHUN BORING ENG CO LTD**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **----**	*Contact*	: **Chan Kwok Fai, Godfrey**	*Work Order*	: **HK0922129**		
Address	: **----**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **----**	*E-mail*	: **Godfrey.Chan@alsenviro.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **BASELINE MONITORING - WQM**	*Quote number*	: **----**	*Date received*	: **21-OCT-2009**		
Order number	: **----**			*Date of issue*	: **29-OCT-2009**		
C-O-C number	: **----**			*No. of samples*	- *Received* :	**84**	
Site	: **----**				- *Analysed* :	**84**	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922129 supersedes any previous reports with this reference. The completion date of analysis is 27-OCT-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922129 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	*Position*	*Authorised results for:-*
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[21-OCT-2009]	HK0922129-001		**11**				
WSD7 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-002		**12**				
WSD9 MID-FLOOD	[21-OCT-2009]	HK0922129-003		**11**				
WSD9 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-004		**10**				
WSD10 MID-FLOOD	[21-OCT-2009]	HK0922129-005		**9**				
WSD10 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-006		**8**				
WSD15 MID-FLOOD	[21-OCT-2009]	HK0922129-007		**7**				
WSD15 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-008		**8**				
WSD17 MID-FLOOD	[21-OCT-2009]	HK0922129-009		**10**				
WSD17 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-010		**10**				
WSD19 MID-FLOOD	[21-OCT-2009]	HK0922129-011		**9**				
WSD19 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-012		**10**				
WSD20 MID-FLOOD	[21-OCT-2009]	HK0922129-013		**11**				
WSD20 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-014		**12**				
C8 MID-FLOOD	[21-OCT-2009]	HK0922129-015		**12**				
C8 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-016		**10**				
C9 MID-FLOOD	[21-OCT-2009]	HK0922129-017		**11**				
C9 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-018		**11**				
C1 MID-FLOOD	[21-OCT-2009]	HK0922129-019		**8**				
C1 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-020		**8**				
C2 MID-FLOOD	[21-OCT-2009]	HK0922129-021		**9**				
C2 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-022		**8**				
C3 MID-FLOOD	[21-OCT-2009]	HK0922129-023		**9**				
C3 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-024		**10**				
C4 MID-FLOOD	[21-OCT-2009]	HK0922129-025		**11**				
C4 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-026		**12**				
C5 MID-FLOOD	[21-OCT-2009]	HK0922129-027		**14**				
C5 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-028		**15**				
C6 MID-FLOOD	[21-OCT-2009]	HK0922129-029		**6**				
C6 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-030		**7**				
C7 MID-FLOOD	[21-OCT-2009]	HK0922129-031		**6**				
C7 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-032		**7**				
RC1 MID-FLOOD	[21-OCT-2009]	HK0922129-033		**7**				
RC1 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-034		**7**				
RC5 MID-FLOOD	[21-OCT-2009]	HK0922129-035		**15**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-036		**13**				
RC7 MID-FLOOD	[21-OCT-2009]	HK0922129-037		**8**				
RC7 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-038		**8**				
WSD21 MID-FLOOD	[21-OCT-2009]	HK0922129-039		**14**				
WSD21 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-040		**14**				
RW1 MID-FLOOD	[21-OCT-2009]	HK0922129-041		**10**				
RW1 MID-FLOOD DUP	[21-OCT-2009]	HK0922129-042		**8**				
WSD7 MID-EBB	[21-OCT-2009]	HK0922129-043		**9**				
WSD7 MID-EBB DUP	[21-OCT-2009]	HK0922129-044		**8**				
WSD9 MID-EBB	[21-OCT-2009]	HK0922129-045		**7**				
WSD9 MID-EBB DUP	[21-OCT-2009]	HK0922129-046		**7**				
WSD10 MID-EBB	[21-OCT-2009]	HK0922129-047		**8**				
WSD10 MID-EBB DUP	[21-OCT-2009]	HK0922129-048		**7**				
WSD15 MID-EBB	[21-OCT-2009]	HK0922129-049		**6**				
WSD15 MID-EBB DUP	[21-OCT-2009]	HK0922129-050		**7**				
WSD17 MID-EBB	[21-OCT-2009]	HK0922129-051		**16**				
WSD17 MID-EBB DUP	[21-OCT-2009]	HK0922129-052		**15**				
WSD19 MID-EBB	[21-OCT-2009]	HK0922129-053		**14**				
WSD19 MID-EBB DUP	[21-OCT-2009]	HK0922129-054		**12**				
WSD20 MID-EBB	[21-OCT-2009]	HK0922129-055		**9**				
WSD20 MID-EBB DUP	[21-OCT-2009]	HK0922129-056		**11**				
C8 MID-EBB	[21-OCT-2009]	HK0922129-057		**10**				
C8 MID-EBB DUP	[21-OCT-2009]	HK0922129-058		**12**				
C9 MID-EBB	[21-OCT-2009]	HK0922129-059		**20**				
C9 MID-EBB DUP	[21-OCT-2009]	HK0922129-060		**17**				
C1 MID-EBB	[21-OCT-2009]	HK0922129-061		**10**				
C1 MID-EBB DUP	[21-OCT-2009]	HK0922129-062		**11**				
C2 MID-EBB	[21-OCT-2009]	HK0922129-063		**8**				
C2 MID-EBB DUP	[21-OCT-2009]	HK0922129-064		**6**				
C3 MID-EBB	[21-OCT-2009]	HK0922129-065		**8**				
C3 MID-EBB DUP	[21-OCT-2009]	HK0922129-066		**6**				
C4 MID-EBB	[21-OCT-2009]	HK0922129-067		**11**				
C4 MID-EBB DUP	[21-OCT-2009]	HK0922129-068		**12**				
C5 MID-EBB	[21-OCT-2009]	HK0922129-069		**10**				
C5 MID-EBB DUP	[21-OCT-2009]	HK0922129-070		**11**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[21-OCT-2009]	HK0922129-071		**7**				
C6 MID-EBB DUP	[21-OCT-2009]	HK0922129-072		**8**				
C7 MID-EBB	[21-OCT-2009]	HK0922129-073		**5**				
C7 MID-EBB DUP	[21-OCT-2009]	HK0922129-074		**6**				
RC1 MID-EBB	[21-OCT-2009]	HK0922129-075		**7**				
RC1 MID-EBB DUP	[21-OCT-2009]	HK0922129-076		**8**				
RC5 MID-EBB	[21-OCT-2009]	HK0922129-077		**8**				
RC5 MID-EBB DUP	[21-OCT-2009]	HK0922129-078		**9**				
RC7 MID-EBB	[21-OCT-2009]	HK0922129-079		**6**				
RC7 MID-EBB DUP	[21-OCT-2009]	HK0922129-080		**5**				
WSD21 MID-EBB	[21-OCT-2009]	HK0922129-081		**9**				
WSD21 MID-EBB DUP	[21-OCT-2009]	HK0922129-082		**10**				
RW1 MID-EBB	[21-OCT-2009]	HK0922129-083		**9**				
RW1 MID-EBB DUP	[21-OCT-2009]	HK0922129-084		**10**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1143404)								
HK0922129-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	11	12	11.4
HK0922129-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1143405)								
HK0922129-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	15.6
HK0922129-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	14.9
EA/ED: Physical and Aggregate Properties (QC Lot: 1143406)								
HK0922129-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0
HK0922129-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	16	15	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1143407)								
HK0922129-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	12.1
HK0922129-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	7	6	15.6
EA/ED: Physical and Aggregate Properties (QC Lot: 1143408)								
HK0922129-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1143404)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	94.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1143405)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1143406)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1143407)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1143408)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	94.5	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: CHUNG SHUN BORING ENG CO LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5		
Contact	: ----	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0922108		
Address	: ----	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong				
E-mail	: ----	E-mail	: Godfrey.Chan@alsenviro.com				
Telephone	: ----	Telephone	: +852 2610 1044				
Facsimile	: ----	Facsimile	: +852 2610 2021				
Project	: BASELINE MONITORING - WQM	Quote number	: HK/1192a/2009**	Date received	: 23-OCT-2009		
Order number	: ----			Date of issue	: 02-NOV-2009		
C-O-C number	: ----			No. of samples	- Received :	84	
Site	: ----				- Analysed :	84	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922108 supersedes any previous reports with this reference. The completion date of analysis is 28-OCT-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922108 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[23-OCT-2009]	HK0922108-001		**10**				
WSD7 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-002		**13**				
WSD9 MID-FLOOD	[23-OCT-2009]	HK0922108-003		**6**				
WSD9 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-004		**6**				
WSD10 MID-FLOOD	[23-OCT-2009]	HK0922108-005		**8**				
WSD10 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-006		**6**				
WSD15 MID-FLOOD	[23-OCT-2009]	HK0922108-007		**11**				
WSD15 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-008		**10**				
WSD17 MID-FLOOD	[23-OCT-2009]	HK0922108-009		**9**				
WSD17 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-010		**10**				
WSD19 MID-FLOOD	[23-OCT-2009]	HK0922108-011		**11**				
WSD19 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-012		**11**				
WSD20 MID-FLOOD	[23-OCT-2009]	HK0922108-013		**13**				
WSD20 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-014		**13**				
C8 MID-FLOOD	[23-OCT-2009]	HK0922108-015		**21**				
C8 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-016		**18**				
C9 MID-FLOOD	[23-OCT-2009]	HK0922108-017		**23**				
C9 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-018		**20**				
C1 MID-FLOOD	[23-OCT-2009]	HK0922108-019		**12**				
C1 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-020		**11**				
C2 MID-FLOOD	[23-OCT-2009]	HK0922108-021		**12**				
C2 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-022		**13**				
C3 MID-FLOOD	[23-OCT-2009]	HK0922108-023		**14**				
C3 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-024		**11**				
C4 MID-FLOOD	[23-OCT-2009]	HK0922108-025		**14**				
C4 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-026		**14**				
C5 MID-FLOOD	[23-OCT-2009]	HK0922108-027		**15**				
C5 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-028		**13**				
C6 MID-FLOOD	[23-OCT-2009]	HK0922108-029		**10**				
C6 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-030		**8**				
C7 MID-FLOOD	[23-OCT-2009]	HK0922108-031		**11**				
C7 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-032		**13**				
RC1 MID-FLOOD	[23-OCT-2009]	HK0922108-033		**10**				
RC1 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-034		**10**				
RC5 MID-FLOOD	[23-OCT-2009]	HK0922108-035		**12**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**			
			LOR Unit	2 mg/L			
				EA/ED: Physical and Aggregate Properties			
RC5 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-036		**10**			
RC7 MID-FLOOD	[23-OCT-2009]	HK0922108-037		**11**			
RC7 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-038		**13**			
WSD21 MID-FLOOD	[23-OCT-2009]	HK0922108-039		**14**			
WSD21 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-040		**12**			
RW1 MID-FLOOD	[23-OCT-2009]	HK0922108-041		**14**			
RW1 MID-FLOOD DUP	[23-OCT-2009]	HK0922108-042		**13**			
WSD7 MID-EBB	[23-OCT-2009]	HK0922108-043		**8**			
WSD7 MID-EBB DUP	[23-OCT-2009]	HK0922108-044		**8**			
WSD9 MID-EBB	[23-OCT-2009]	HK0922108-045		**8**			
WSD9 MID-EBB DUP	[23-OCT-2009]	HK0922108-046		**8**			
WSD10 MID-EBB	[23-OCT-2009]	HK0922108-047		**8**			
WSD10 MID-EBB DUP	[23-OCT-2009]	HK0922108-048		**6**			
WSD15 MID-EBB	[23-OCT-2009]	HK0922108-049		**6**			
WSD15 MID-EBB DUP	[23-OCT-2009]	HK0922108-050		**5**			
WSD17 MID-EBB	[23-OCT-2009]	HK0922108-051		**9**			
WSD17 MID-EBB DUP	[23-OCT-2009]	HK0922108-052		**8**			
WSD19 MID-EBB	[23-OCT-2009]	HK0922108-053		**10**			
WSD19 MID-EBB DUP	[23-OCT-2009]	HK0922108-054		**9**			
WSD20 MID-EBB	[23-OCT-2009]	HK0922108-055		**5**			
WSD20 MID-EBB DUP	[23-OCT-2009]	HK0922108-056		**7**			
C8 MID-EBB	[23-OCT-2009]	HK0922108-057		**13**			
C8 MID-EBB DUP	[23-OCT-2009]	HK0922108-058		**12**			
C9 MID-EBB	[23-OCT-2009]	HK0922108-059		**10**			
C9 MID-EBB DUP	[23-OCT-2009]	HK0922108-060		**13**			
C1 MID-EBB	[23-OCT-2009]	HK0922108-061		**6**			
C1 MID-EBB DUP	[23-OCT-2009]	HK0922108-062		**5**			
C2 MID-EBB	[23-OCT-2009]	HK0922108-063		**14**			
C2 MID-EBB DUP	[23-OCT-2009]	HK0922108-064		**15**			
C3 MID-EBB	[23-OCT-2009]	HK0922108-065		**10**			
C3 MID-EBB DUP	[23-OCT-2009]	HK0922108-066		**10**			
C4 MID-EBB	[23-OCT-2009]	HK0922108-067		**9**			
C4 MID-EBB DUP	[23-OCT-2009]	HK0922108-068		**10**			
C5 MID-EBB	[23-OCT-2009]	HK0922108-069		**11**			
C5 MID-EBB DUP	[23-OCT-2009]	HK0922108-070		**13**			

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[23-OCT-2009]	HK0922108-071		**10**				
C6 MID-EBB DUP	[23-OCT-2009]	HK0922108-072		**8**				
C7 MID-EBB	[23-OCT-2009]	HK0922108-073		**8**				
C7 MID-EBB DUP	[23-OCT-2009]	HK0922108-074		**6**				
RC1 MID-EBB	[23-OCT-2009]	HK0922108-075		**7**				
RC1 MID-EBB DUP	[23-OCT-2009]	HK0922108-076		**6**				
RC5 MID-EBB	[23-OCT-2009]	HK0922108-077		**7**				
RC5 MID-EBB DUP	[23-OCT-2009]	HK0922108-078		**7**				
RC7 MID-EBB	[23-OCT-2009]	HK0922108-079		**13**				
RC7 MID-EBB DUP	[23-OCT-2009]	HK0922108-080		**12**				
WSD21 MID-EBB	[23-OCT-2009]	HK0922108-081		**11**				
WSD21 MID-EBB DUP	[23-OCT-2009]	HK0922108-082		**10**				
RW1 MID-EBB	[23-OCT-2009]	HK0922108-083		**10**				
RW1 MID-EBB DUP	[23-OCT-2009]	HK0922108-084		**12**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1145607)								
HK0922108-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	10.4
HK0922108-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	11	12	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1145608)								
HK0922108-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	14	10.9
HK0922108-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	11	12	9.5
EA/ED: Physical and Aggregate Properties (QC Lot: 1145609)								
HK0922108-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	14	13	9.3
HK0922108-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1145610)								
HK0922108-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	14.9
HK0922108-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1145611)								
HK0922108-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	11	10	9.9

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1145607)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	86.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1145608)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1145609)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	90.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1145610)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	109	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1145611)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.0	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: **CHUNG SHUN BORING ENG CO LTD**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **----**	*Contact*	: **Chan Kwok Fai, Godfrey**	*Work Order*	: **HK0922176**		
Address	: **----**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **----**	*E-mail*	: **Godfrey.Chan@alsenviro.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **BASELINE MONITORING - WQM**	*Quote number*	: **HK/1192a/2009****	*Date received*	: **27-OCT-2009**		
Order number	: **----**			*Date of issue*	: **03-NOV-2009**		
C-O-C number	: **----**			*No. of samples*	- *Received* :	**84**	
Site	: **----**				- *Analysed* :	**84**	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922176 supersedes any previous reports with this reference. The completion date of analysis is 30-OCT-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922176 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	*Position*	*Authorised results for:-*
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[27-OCT-2009]	HK0922176-001		**12**				
WSD7 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-002		**13**				
WSD9 MID-FLOOD	[27-OCT-2009]	HK0922176-003		**10**				
WSD9 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-004		**11**				
WSD10 MID-FLOOD	[27-OCT-2009]	HK0922176-005		**9**				
WSD10 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-006		**8**				
WSD15 MID-FLOOD	[27-OCT-2009]	HK0922176-007		**10**				
WSD15 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-008		**10**				
WSD17 MID-FLOOD	[27-OCT-2009]	HK0922176-009		**11**				
WSD17 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-010		**10**				
WSD19 MID-FLOOD	[27-OCT-2009]	HK0922176-011		**12**				
WSD19 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-012		**10**				
WSD20 MID-FLOOD	[27-OCT-2009]	HK0922176-013		**8**				
WSD20 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-014		**8**				
C8 MID-FLOOD	[27-OCT-2009]	HK0922176-015		**15**				
C8 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-016		**13**				
C9 MID-FLOOD	[27-OCT-2009]	HK0922176-017		**23**				
C9 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-018		**23**				
C1 MID-FLOOD	[27-OCT-2009]	HK0922176-019		**13**				
C1 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-020		**12**				
C2 MID-FLOOD	[27-OCT-2009]	HK0922176-021		**8**				
C2 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-022		**10**				
C3 MID-FLOOD	[27-OCT-2009]	HK0922176-023		**9**				
C3 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-024		**7**				
C4 MID-FLOOD	[27-OCT-2009]	HK0922176-025		**11**				
C4 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-026		**9**				
C5 MID-FLOOD	[27-OCT-2009]	HK0922176-027		**11**				
C5 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-028		**12**				
C6 MID-FLOOD	[27-OCT-2009]	HK0922176-029		**10**				
C6 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-030		**11**				
C7 MID-FLOOD	[27-OCT-2009]	HK0922176-031		**10**				
C7 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-032		**8**				
RC1 MID-FLOOD	[27-OCT-2009]	HK0922176-033		**8**				
RC1 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-034		**7**				
RC5 MID-FLOOD	[27-OCT-2009]	HK0922176-035		**11**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**			
			LOR Unit	2 mg/L			
				EA/ED: Physical and Aggregate Properties			
RC5 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-036		**12**			
RC7 MID-FLOOD	[27-OCT-2009]	HK0922176-037		**25**			
RC7 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-038		**22**			
WSD21 MID-FLOOD	[27-OCT-2009]	HK0922176-039		**10**			
WSD21 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-040		**10**			
RW1 MID-FLOOD	[27-OCT-2009]	HK0922176-041		**10**			
RW1 MID-FLOOD DUP	[27-OCT-2009]	HK0922176-042		**12**			
WSD7 MID-EBB	[27-OCT-2009]	HK0922176-043		**10**			
WSD7 MID-EBB DUP	[27-OCT-2009]	HK0922176-044		**9**			
WSD9 MID-EBB	[27-OCT-2009]	HK0922176-045		**6**			
WSD9 MID-EBB DUP	[27-OCT-2009]	HK0922176-046		**4**			
WSD10 MID-EBB	[27-OCT-2009]	HK0922176-047		**9**			
WSD10 MID-EBB DUP	[27-OCT-2009]	HK0922176-048		**7**			
WSD15 MID-EBB	[27-OCT-2009]	HK0922176-049		**7**			
WSD15 MID-EBB DUP	[27-OCT-2009]	HK0922176-050		**8**			
WSD17 MID-EBB	[27-OCT-2009]	HK0922176-051		**8**			
WSD17 MID-EBB DUP	[27-OCT-2009]	HK0922176-052		**7**			
WSD19 MID-EBB	[27-OCT-2009]	HK0922176-053		**7**			
WSD19 MID-EBB DUP	[27-OCT-2009]	HK0922176-054		**6**			
WSD20 MID-EBB	[27-OCT-2009]	HK0922176-055		**7**			
WSD20 MID-EBB DUP	[27-OCT-2009]	HK0922176-056		**8**			
C8 MID-EBB	[27-OCT-2009]	HK0922176-057		**9**			
C8 MID-EBB DUP	[27-OCT-2009]	HK0922176-058		**9**			
C9 MID-EBB	[27-OCT-2009]	HK0922176-059		**10**			
C9 MID-EBB DUP	[27-OCT-2009]	HK0922176-060		**10**			
C1 MID-EBB	[27-OCT-2009]	HK0922176-061		**4**			
C1 MID-EBB DUP	[27-OCT-2009]	HK0922176-062		**5**			
C2 MID-EBB	[27-OCT-2009]	HK0922176-063		**7**			
C2 MID-EBB DUP	[27-OCT-2009]	HK0922176-064		**5**			
C3 MID-EBB	[27-OCT-2009]	HK0922176-065		**6**			
C3 MID-EBB DUP	[27-OCT-2009]	HK0922176-066		**4**			
C4 MID-EBB	[27-OCT-2009]	HK0922176-067		**8**			
C4 MID-EBB DUP	[27-OCT-2009]	HK0922176-068		**8**			
C5 MID-EBB	[27-OCT-2009]	HK0922176-069		**8**			
C5 MID-EBB DUP	[27-OCT-2009]	HK0922176-070		**8**			

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[27-OCT-2009]	HK0922176-071		**7**				
C6 MID-EBB DUP	[27-OCT-2009]	HK0922176-072		**7**				
C7 MID-EBB	[27-OCT-2009]	HK0922176-073		**5**				
C7 MID-EBB DUP	[27-OCT-2009]	HK0922176-074		**5**				
RC1 MID-EBB	[27-OCT-2009]	HK0922176-075		**6**				
RC1 MID-EBB DUP	[27-OCT-2009]	HK0922176-076		**4**				
RC5 MID-EBB	[27-OCT-2009]	HK0922176-077		**5**				
RC5 MID-EBB DUP	[27-OCT-2009]	HK0922176-078		**6**				
RC7 MID-EBB	[27-OCT-2009]	HK0922176-079		**10**				
RC7 MID-EBB DUP	[27-OCT-2009]	HK0922176-080		**10**				
WSD21 MID-EBB	[27-OCT-2009]	HK0922176-081		**7**				
WSD21 MID-EBB DUP	[27-OCT-2009]	HK0922176-082		**9**				
RW1 MID-EBB	[27-OCT-2009]	HK0922176-083		**9**				
RW1 MID-EBB DUP	[27-OCT-2009]	HK0922176-084		**8**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1147149)								
HK0922176-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	13	0.0
HK0922176-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	10	13.1
EA/ED: Physical and Aggregate Properties (QC Lot: 1147150)								
HK0922176-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	13.0
HK0922176-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	9	11.5
EA/ED: Physical and Aggregate Properties (QC Lot: 1147151)								
HK0922176-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	12.8
HK0922176-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1147152)								
HK0922176-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	4	5	0.0
HK0922176-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	7	6	15.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1147153)								
HK0922176-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	7	7	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1147149)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	86.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1147150)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1147151)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	86.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1147152)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	93.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1147153)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	89.5	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: **CHUNG SHUN BORING ENG CO LTD**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **----**	*Contact*	: **Chan Kwok Fai, Godfrey**	*Work Order*	: **HK0922328**		
Address	: **----**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **----**	*E-mail*	: **Godfrey.Chan@alsenviro.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **BASELINE MONITORING - WQM**	*Quote number*	: **HK/1192a/2009****	*Date received*	: **29-OCT-2009**		
Order number	: **----**			*Date of issue*	: **05-NOV-2009**		
C-O-C number	: **----**			*No. of samples*	- *Received* :	**84**	
Site	: **----**				- *Analysed* :	**84**	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922328 supersedes any previous reports with this reference. The completion date of analysis is 02-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922328 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	*Position*	*Authorised results for:-*
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[29-OCT-2009]	HK0922328-001		**14**				
WSD7 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-002		**14**				
WSD9 MID-FLOOD	[29-OCT-2009]	HK0922328-003		**8**				
WSD9 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-004		**9**				
WSD10 MID-FLOOD	[29-OCT-2009]	HK0922328-005		**8**				
WSD10 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-006		**7**				
WSD15 MID-FLOOD	[29-OCT-2009]	HK0922328-007		**9**				
WSD15 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-008		**9**				
WSD17 MID-FLOOD	[29-OCT-2009]	HK0922328-009		**7**				
WSD17 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-010		**7**				
WSD19 MID-FLOOD	[29-OCT-2009]	HK0922328-011		**7**				
WSD19 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-012		**8**				
WSD20 MID-FLOOD	[29-OCT-2009]	HK0922328-013		**7**				
WSD20 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-014		**6**				
C8 MID-FLOOD	[29-OCT-2009]	HK0922328-015		**16**				
C8 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-016		**16**				
C9 MID-FLOOD	[29-OCT-2009]	HK0922328-017		**23**				
C9 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-018		**24**				
C1 MID-FLOOD	[29-OCT-2009]	HK0922328-019		**18**				
C1 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-020		**19**				
C2 MID-FLOOD	[29-OCT-2009]	HK0922328-021		**10**				
C2 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-022		**12**				
C3 MID-FLOOD	[29-OCT-2009]	HK0922328-023		**11**				
C3 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-024		**11**				
C4 MID-FLOOD	[29-OCT-2009]	HK0922328-025		**15**				
C4 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-026		**14**				
C5 MID-FLOOD	[29-OCT-2009]	HK0922328-027		**11**				
C5 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-028		**12**				
C6 MID-FLOOD	[29-OCT-2009]	HK0922328-029		**10**				
C6 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-030		**9**				
C7 MID-FLOOD	[29-OCT-2009]	HK0922328-031		**12**				
C7 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-032		**11**				
RC1 MID-FLOOD	[29-OCT-2009]	HK0922328-033		**14**				
RC1 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-034		**12**				
RC5 MID-FLOOD	[29-OCT-2009]	HK0922328-035		**12**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-036		**11**				
RC7 MID-FLOOD	[29-OCT-2009]	HK0922328-037		**9**				
RC7 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-038		**9**				
WSD21 MID-FLOOD	[29-OCT-2009]	HK0922328-039		**13**				
WSD21 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-040		**11**				
RW1 MID-FLOOD	[29-OCT-2009]	HK0922328-041		**12**				
RW1 MID-FLOOD DUP	[29-OCT-2009]	HK0922328-042		**12**				
WSD7 MID-EBB	[29-OCT-2009]	HK0922328-043		**12**				
WSD7 MID-EBB DUP	[29-OCT-2009]	HK0922328-044		**11**				
WSD9 MID-EBB	[29-OCT-2009]	HK0922328-045		**8**				
WSD9 MID-EBB DUP	[29-OCT-2009]	HK0922328-046		**8**				
WSD10 MID-EBB	[29-OCT-2009]	HK0922328-047		**8**				
WSD10 MID-EBB DUP	[29-OCT-2009]	HK0922328-048		**8**				
WSD15 MID-EBB	[29-OCT-2009]	HK0922328-049		**8**				
WSD15 MID-EBB DUP	[29-OCT-2009]	HK0922328-050		**9**				
WSD17 MID-EBB	[29-OCT-2009]	HK0922328-051		**8**				
WSD17 MID-EBB DUP	[29-OCT-2009]	HK0922328-052		**9**				
WSD19 MID-EBB	[29-OCT-2009]	HK0922328-053		**8**				
WSD19 MID-EBB DUP	[29-OCT-2009]	HK0922328-054		**10**				
WSD20 MID-EBB	[29-OCT-2009]	HK0922328-055		**9**				
WSD20 MID-EBB DUP	[29-OCT-2009]	HK0922328-056		**8**				
C8 MID-EBB	[29-OCT-2009]	HK0922328-057		**12**				
C8 MID-EBB DUP	[29-OCT-2009]	HK0922328-058		**12**				
C9 MID-EBB	[29-OCT-2009]	HK0922328-059		**13**				
C9 MID-EBB DUP	[29-OCT-2009]	HK0922328-060		**13**				
C1 MID-EBB	[29-OCT-2009]	HK0922328-061		**9**				
C1 MID-EBB DUP	[29-OCT-2009]	HK0922328-062		**10**				
C2 MID-EBB	[29-OCT-2009]	HK0922328-063		**10**				
C2 MID-EBB DUP	[29-OCT-2009]	HK0922328-064		**8**				
C3 MID-EBB	[29-OCT-2009]	HK0922328-065		**11**				
C3 MID-EBB DUP	[29-OCT-2009]	HK0922328-066		**10**				
C4 MID-EBB	[29-OCT-2009]	HK0922328-067		**7**				
C4 MID-EBB DUP	[29-OCT-2009]	HK0922328-068		**6**				
C5 MID-EBB	[29-OCT-2009]	HK0922328-069		**9**				
C5 MID-EBB DUP	[29-OCT-2009]	HK0922328-070		**11**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[29-OCT-2009]	HK0922328-071		**9**				
C6 MID-EBB DUP	[29-OCT-2009]	HK0922328-072		**8**				
C7 MID-EBB	[29-OCT-2009]	HK0922328-073		**8**				
C7 MID-EBB DUP	[29-OCT-2009]	HK0922328-074		**7**				
RC1 MID-EBB	[29-OCT-2009]	HK0922328-075		**9**				
RC1 MID-EBB DUP	[29-OCT-2009]	HK0922328-076		**10**				
RC5 MID-EBB	[29-OCT-2009]	HK0922328-077		**10**				
RC5 MID-EBB DUP	[29-OCT-2009]	HK0922328-078		**9**				
RC7 MID-EBB	[29-OCT-2009]	HK0922328-079		**10**				
RC7 MID-EBB DUP	[29-OCT-2009]	HK0922328-080		**8**				
WSD21 MID-EBB	[29-OCT-2009]	HK0922328-081		**8**				
WSD21 MID-EBB DUP	[29-OCT-2009]	HK0922328-082		**10**				
RW1 MID-EBB	[29-OCT-2009]	HK0922328-083		**9**				
RW1 MID-EBB DUP	[29-OCT-2009]	HK0922328-084		**9**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1149302)								
HK0922328-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	14	16	9.7
HK0922328-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1149303)								
HK0922328-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	0.0
HK0922328-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	12	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1149304)								
HK0922328-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	12	0.0
HK0922328-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1149305)								
HK0922328-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	11.2
HK0922328-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1149306)								
HK0922328-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1149302)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	86.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1149303)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	89.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1149304)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1149305)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1149306)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	114	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: CHUNG SHUN BORING ENG CO LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: ----	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0922329
Address	: ----	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: ----	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: ----	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: BASELINE MONITORING - WQM	Quote number	: HK/1192a/2009**	Date received	: 31-OCT-2009
Order number	: ----			Date of issue	: 06-NOV-2009
C-O-C number	: ----			No. of samples	- Received : 84
Site	: ----				- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922329 supersedes any previous reports with this reference. The completion date of analysis is 04-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922329 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[31-OCT-2009]	HK0922329-001		**13**				
WSD7 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-002		**11**				
WSD9 MID-FLOOD	[31-OCT-2009]	HK0922329-003		**8**				
WSD9 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-004		**6**				
WSD10 MID-FLOOD	[31-OCT-2009]	HK0922329-005		**7**				
WSD10 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-006		**8**				
WSD15 MID-FLOOD	[31-OCT-2009]	HK0922329-007		**8**				
WSD15 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-008		**8**				
WSD17 MID-FLOOD	[31-OCT-2009]	HK0922329-009		**12**				
WSD17 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-010		**10**				
WSD19 MID-FLOOD	[31-OCT-2009]	HK0922329-011		**11**				
WSD19 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-012		**13**				
WSD20 MID-FLOOD	[31-OCT-2009]	HK0922329-013		**8**				
WSD20 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-014		**8**				
C8 MID-FLOOD	[31-OCT-2009]	HK0922329-015		**14**				
C8 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-016		**13**				
C9 MID-FLOOD	[31-OCT-2009]	HK0922329-017		**19**				
C9 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-018		**18**				
C1 MID-FLOOD	[31-OCT-2009]	HK0922329-019		**11**				
C1 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-020		**10**				
C2 MID-FLOOD	[31-OCT-2009]	HK0922329-021		**10**				
C2 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-022		**10**				
C3 MID-FLOOD	[31-OCT-2009]	HK0922329-023		**15**				
C3 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-024		**15**				
C4 MID-FLOOD	[31-OCT-2009]	HK0922329-025		**10**				
C4 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-026		**9**				
C5 MID-FLOOD	[31-OCT-2009]	HK0922329-027		**9**				
C5 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-028		**10**				
C6 MID-FLOOD	[31-OCT-2009]	HK0922329-029		**8**				
C6 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-030		**6**				
C7 MID-FLOOD	[31-OCT-2009]	HK0922329-031		**6**				
C7 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-032		**8**				
RC1 MID-FLOOD	[31-OCT-2009]	HK0922329-033		**9**				
RC1 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-034		**10**				
RC5 MID-FLOOD	[31-OCT-2009]	HK0922329-035		**8**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-036		**7**				
RC7 MID-FLOOD	[31-OCT-2009]	HK0922329-037		**7**				
RC7 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-038		**7**				
WSD21 MID-FLOOD	[31-OCT-2009]	HK0922329-039		**11**				
WSD21 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-040		**9**				
RW1 MID-FLOOD	[31-OCT-2009]	HK0922329-041		**9**				
RW1 MID-FLOOD DUP	[31-OCT-2009]	HK0922329-042		**9**				
WSD7 MID-EBB	[31-OCT-2009]	HK0922329-043		**10**				
WSD7 MID-EBB DUP	[31-OCT-2009]	HK0922329-044		**8**				
WSD9 MID-EBB	[31-OCT-2009]	HK0922329-045		**8**				
WSD9 MID-EBB DUP	[31-OCT-2009]	HK0922329-046		**6**				
WSD10 MID-EBB	[31-OCT-2009]	HK0922329-047		**9**				
WSD10 MID-EBB DUP	[31-OCT-2009]	HK0922329-048		**11**				
WSD15 MID-EBB	[31-OCT-2009]	HK0922329-049		**7**				
WSD15 MID-EBB DUP	[31-OCT-2009]	HK0922329-050		**5**				
WSD17 MID-EBB	[31-OCT-2009]	HK0922329-051		**9**				
WSD17 MID-EBB DUP	[31-OCT-2009]	HK0922329-052		**10**				
WSD19 MID-EBB	[31-OCT-2009]	HK0922329-053		**9**				
WSD19 MID-EBB DUP	[31-OCT-2009]	HK0922329-054		**9**				
WSD20 MID-EBB	[31-OCT-2009]	HK0922329-055		**11**				
WSD20 MID-EBB DUP	[31-OCT-2009]	HK0922329-056		**11**				
C8 MID-EBB	[31-OCT-2009]	HK0922329-057		**12**				
C8 MID-EBB DUP	[31-OCT-2009]	HK0922329-058		**10**				
C9 MID-EBB	[31-OCT-2009]	HK0922329-059		**13**				
C9 MID-EBB DUP	[31-OCT-2009]	HK0922329-060		**14**				
C1 MID-EBB	[31-OCT-2009]	HK0922329-061		**10**				
C1 MID-EBB DUP	[31-OCT-2009]	HK0922329-062		**9**				
C2 MID-EBB	[31-OCT-2009]	HK0922329-063		**9**				
C2 MID-EBB DUP	[31-OCT-2009]	HK0922329-064		**8**				
C3 MID-EBB	[31-OCT-2009]	HK0922329-065		**11**				
C3 MID-EBB DUP	[31-OCT-2009]	HK0922329-066		**9**				
C4 MID-EBB	[31-OCT-2009]	HK0922329-067		**10**				
C4 MID-EBB DUP	[31-OCT-2009]	HK0922329-068		**10**				
C5 MID-EBB	[31-OCT-2009]	HK0922329-069		**12**				
C5 MID-EBB DUP	[31-OCT-2009]	HK0922329-070		**10**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[31-OCT-2009]	HK0922329-071		**12**				
C6 MID-EBB DUP	[31-OCT-2009]	HK0922329-072		**10**				
C7 MID-EBB	[31-OCT-2009]	HK0922329-073		**6**				
C7 MID-EBB DUP	[31-OCT-2009]	HK0922329-074		**5**				
RC1 MID-EBB	[31-OCT-2009]	HK0922329-075		**10**				
RC1 MID-EBB DUP	[31-OCT-2009]	HK0922329-076		**9**				
RC5 MID-EBB	[31-OCT-2009]	HK0922329-077		**8**				
RC5 MID-EBB DUP	[31-OCT-2009]	HK0922329-078		**9**				
RC7 MID-EBB	[31-OCT-2009]	HK0922329-079		**10**				
RC7 MID-EBB DUP	[31-OCT-2009]	HK0922329-080		**10**				
WSD21 MID-EBB	[31-OCT-2009]	HK0922329-081		**11**				
WSD21 MID-EBB DUP	[31-OCT-2009]	HK0922329-082		**10**				
RW1 MID-EBB	[31-OCT-2009]	HK0922329-083		**10**				
RW1 MID-EBB DUP	[31-OCT-2009]	HK0922329-084		**10**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1152735)								
HK0922329-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	13	12	0.0
HK0922329-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	11	12	9.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1152736)								
HK0922329-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	0.0
HK0922329-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	15.3
EA/ED: Physical and Aggregate Properties (QC Lot: 1152737)								
HK0922329-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	12.9
HK0922329-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	10.9
EA/ED: Physical and Aggregate Properties (QC Lot: 1152738)								
HK0922329-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	0.0
HK0922329-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	12	11	8.7
EA/ED: Physical and Aggregate Properties (QC Lot: 1152739)								
HK0922329-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	11	10	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1152735)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	97.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152736)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152737)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152738)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152739)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	111	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: **CHUNG SHUN BORING ENG CO LTD**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **----**	*Contact*	: **Chan Kwok Fai, Godfrey**	*Work Order*	: **HK0922873**		
Address	: **----**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **----**	*E-mail*	: **Godfrey.Chan@alsenviro.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **BASELINE MONITORING - WQM**	*Quote number*	: **HK/1192a/2009****	*Date received*	: **02-NOV-2009**		
Order number	: **----**			*Date of issue*	: **09-NOV-2009**		
C-O-C number	: **----**			*No. of samples*	- *Received* :	**84**	
Site	: **----**				- *Analysed* :	**84**	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922873 supersedes any previous reports with this reference. The completion date of analysis is 04-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922873 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	*Position*	*Authorised results for:-*
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[02-NOV-2009]	HK0922873-001		**13**				
WSD7 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-002		**12**				
WSD9 MID-FLOOD	[02-NOV-2009]	HK0922873-003		**10**				
WSD9 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-004		**9**				
WSD10 MID-FLOOD	[02-NOV-2009]	HK0922873-005		**11**				
WSD10 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-006		**9**				
WSD15 MID-FLOOD	[02-NOV-2009]	HK0922873-007		**9**				
WSD15 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-008		**8**				
WSD17 MID-FLOOD	[02-NOV-2009]	HK0922873-009		**8**				
WSD17 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-010		**9**				
WSD19 MID-FLOOD	[02-NOV-2009]	HK0922873-011		**11**				
WSD19 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-012		**9**				
WSD20 MID-FLOOD	[02-NOV-2009]	HK0922873-013		**9**				
WSD20 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-014		**11**				
C8 MID-FLOOD	[02-NOV-2009]	HK0922873-015		**10**				
C8 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-016		**10**				
C9 MID-FLOOD	[02-NOV-2009]	HK0922873-017		**10**				
C9 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-018		**11**				
C1 MID-FLOOD	[02-NOV-2009]	HK0922873-019		**9**				
C1 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-020		**9**				
C2 MID-FLOOD	[02-NOV-2009]	HK0922873-021		**8**				
C2 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-022		**8**				
C3 MID-FLOOD	[02-NOV-2009]	HK0922873-023		**8**				
C3 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-024		**9**				
C4 MID-FLOOD	[02-NOV-2009]	HK0922873-025		**7**				
C4 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-026		**7**				
C5 MID-FLOOD	[02-NOV-2009]	HK0922873-027		**5**				
C5 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-028		**6**				
C6 MID-FLOOD	[02-NOV-2009]	HK0922873-029		**8**				
C6 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-030		**10**				
C7 MID-FLOOD	[02-NOV-2009]	HK0922873-031		**9**				
C7 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-032		**9**				
RC1 MID-FLOOD	[02-NOV-2009]	HK0922873-033		**8**				
RC1 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-034		**7**				
RC5 MID-FLOOD	[02-NOV-2009]	HK0922873-035		**9**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-036		**7**				
RC7 MID-FLOOD	[02-NOV-2009]	HK0922873-037		**7**				
RC7 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-038		**6**				
WSD21 MID-FLOOD	[02-NOV-2009]	HK0922873-039		**8**				
WSD21 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-040		**7**				
RW1 MID-FLOOD	[02-NOV-2009]	HK0922873-041		**9**				
RW1 MID-FLOOD DUP	[02-NOV-2009]	HK0922873-042		**9**				
WSD7 MID-EBB	[02-NOV-2009]	HK0922873-043		**12**				
WSD7 MID-EBB DUP	[02-NOV-2009]	HK0922873-044		**11**				
WSD9 MID-EBB	[02-NOV-2009]	HK0922873-045		**7**				
WSD9 MID-EBB DUP	[02-NOV-2009]	HK0922873-046		**9**				
WSD10 MID-EBB	[02-NOV-2009]	HK0922873-047		**6**				
WSD10 MID-EBB DUP	[02-NOV-2009]	HK0922873-048		**7**				
WSD15 MID-EBB	[02-NOV-2009]	HK0922873-049		**12**				
WSD15 MID-EBB DUP	[02-NOV-2009]	HK0922873-050		**10**				
WSD17 MID-EBB	[02-NOV-2009]	HK0922873-051		**12**				
WSD17 MID-EBB DUP	[02-NOV-2009]	HK0922873-052		**12**				
WSD19 MID-EBB	[02-NOV-2009]	HK0922873-053		**9**				
WSD19 MID-EBB DUP	[02-NOV-2009]	HK0922873-054		**8**				
WSD20 MID-EBB	[02-NOV-2009]	HK0922873-055		**8**				
WSD20 MID-EBB DUP	[02-NOV-2009]	HK0922873-056		**7**				
C8 MID-EBB	[02-NOV-2009]	HK0922873-057		**12**				
C8 MID-EBB DUP	[02-NOV-2009]	HK0922873-058		**14**				
C9 MID-EBB	[02-NOV-2009]	HK0922873-059		**13**				
C9 MID-EBB DUP	[02-NOV-2009]	HK0922873-060		**11**				
C1 MID-EBB	[02-NOV-2009]	HK0922873-061		**11**				
C1 MID-EBB DUP	[02-NOV-2009]	HK0922873-062		**9**				
C2 MID-EBB	[02-NOV-2009]	HK0922873-063		**10**				
C2 MID-EBB DUP	[02-NOV-2009]	HK0922873-064		**10**				
C3 MID-EBB	[02-NOV-2009]	HK0922873-065		**12**				
C3 MID-EBB DUP	[02-NOV-2009]	HK0922873-066		**14**				
C4 MID-EBB	[02-NOV-2009]	HK0922873-067		**13**				
C4 MID-EBB DUP	[02-NOV-2009]	HK0922873-068		**12**				
C5 MID-EBB	[02-NOV-2009]	HK0922873-069		**12**				
C5 MID-EBB DUP	[02-NOV-2009]	HK0922873-070		**13**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[02-NOV-2009]	HK0922873-071		**10**				
C6 MID-EBB DUP	[02-NOV-2009]	HK0922873-072		**8**				
C7 MID-EBB	[02-NOV-2009]	HK0922873-073		**9**				
C7 MID-EBB DUP	[02-NOV-2009]	HK0922873-074		**8**				
RC1 MID-EBB	[02-NOV-2009]	HK0922873-075		**10**				
RC1 MID-EBB DUP	[02-NOV-2009]	HK0922873-076		**12**				
RC5 MID-EBB	[02-NOV-2009]	HK0922873-077		**9**				
RC5 MID-EBB DUP	[02-NOV-2009]	HK0922873-078		**9**				
RC7 MID-EBB	[02-NOV-2009]	HK0922873-079		**8**				
RC7 MID-EBB DUP	[02-NOV-2009]	HK0922873-080		**7**				
WSD21 MID-EBB	[02-NOV-2009]	HK0922873-081		**10**				
WSD21 MID-EBB DUP	[02-NOV-2009]	HK0922873-082		**11**				
RW1 MID-EBB	[02-NOV-2009]	HK0922873-083		**8**				
RW1 MID-EBB DUP	[02-NOV-2009]	HK0922873-084		**9**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1152740)								
HK0922873-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	13	12	0.0
HK0922873-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	11	11	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1152741)								
HK0922873-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	0.0
HK0922873-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	11.4
EA/ED: Physical and Aggregate Properties (QC Lot: 1152742)								
HK0922873-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	9	0.0
HK0922873-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	12	14	8.7
EA/ED: Physical and Aggregate Properties (QC Lot: 1152743)								
HK0922873-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	11	11	0.0
HK0922873-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	12	11.6
EA/ED: Physical and Aggregate Properties (QC Lot: 1152744)								
HK0922873-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1152740)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152741)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152742)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152743)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1152744)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	111	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: CHUNG SHUN BORING ENG CO LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: ----	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0922875
Address	: ----	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: ----	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: ----	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: BASELINE MONITORING - WQM	Quote number	: HK/1192a/2009**	Date received	: 04-NOV-2009
Order number	: ----			Date of issue	: 11-NOV-2009
C-O-C number	: ----			No. of samples	- Received : 84
Site	: ----				- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922875 supersedes any previous reports with this reference. The completion date of analysis is 09-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922875 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[04-NOV-2009]	HK0922875-001		**12**				
WSD7 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-002		**14**				
WSD9 MID-FLOOD	[04-NOV-2009]	HK0922875-003		**9**				
WSD9 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-004		**8**				
WSD10 MID-FLOOD	[04-NOV-2009]	HK0922875-005		**8**				
WSD10 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-006		**10**				
WSD15 MID-FLOOD	[04-NOV-2009]	HK0922875-007		**10**				
WSD15 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-008		**12**				
WSD17 MID-FLOOD	[04-NOV-2009]	HK0922875-009		**9**				
WSD17 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-010		**8**				
WSD19 MID-FLOOD	[04-NOV-2009]	HK0922875-011		**8**				
WSD19 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-012		**9**				
WSD20 MID-FLOOD	[04-NOV-2009]	HK0922875-013		**10**				
WSD20 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-014		**13**				
C8 MID-FLOOD	[04-NOV-2009]	HK0922875-015		**13**				
C8 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-016		**12**				
C9 MID-FLOOD	[04-NOV-2009]	HK0922875-017		**14**				
C9 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-018		**14**				
C1 MID-FLOOD	[04-NOV-2009]	HK0922875-019		**10**				
C1 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-020		**13**				
C2 MID-FLOOD	[04-NOV-2009]	HK0922875-021		**9**				
C2 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-022		**10**				
C3 MID-FLOOD	[04-NOV-2009]	HK0922875-023		**10**				
C3 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-024		**10**				
C4 MID-FLOOD	[04-NOV-2009]	HK0922875-025		**9**				
C4 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-026		**10**				
C5 MID-FLOOD	[04-NOV-2009]	HK0922875-027		**10**				
C5 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-028		**11**				
C6 MID-FLOOD	[04-NOV-2009]	HK0922875-029		**4**				
C6 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-030		**6**				
C7 MID-FLOOD	[04-NOV-2009]	HK0922875-031		**8**				
C7 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-032		**8**				
RC1 MID-FLOOD	[04-NOV-2009]	HK0922875-033		**8**				
RC1 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-034		**8**				
RC5 MID-FLOOD	[04-NOV-2009]	HK0922875-035		**10**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-036		**10**				
RC7 MID-FLOOD	[04-NOV-2009]	HK0922875-037		**8**				
RC7 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-038		**7**				
WSD21 MID-FLOOD	[04-NOV-2009]	HK0922875-039		**13**				
WSD21 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-040		**12**				
RW1 MID-FLOOD	[04-NOV-2009]	HK0922875-041		**9**				
RW1 MID-FLOOD DUP	[04-NOV-2009]	HK0922875-042		**11**				
WSD7 MID-EBB	[04-NOV-2009]	HK0922875-043		**7**				
WSD7 MID-EBB DUP	[04-NOV-2009]	HK0922875-044		**9**				
WSD9 MID-EBB	[04-NOV-2009]	HK0922875-045		**7**				
WSD9 MID-EBB DUP	[04-NOV-2009]	HK0922875-046		**6**				
WSD10 MID-EBB	[04-NOV-2009]	HK0922875-047		**6**				
WSD10 MID-EBB DUP	[04-NOV-2009]	HK0922875-048		**8**				
WSD15 MID-EBB	[04-NOV-2009]	HK0922875-049		**11**				
WSD15 MID-EBB DUP	[04-NOV-2009]	HK0922875-050		**14**				
WSD17 MID-EBB	[04-NOV-2009]	HK0922875-051		**5**				
WSD17 MID-EBB DUP	[04-NOV-2009]	HK0922875-052		**7**				
WSD19 MID-EBB	[04-NOV-2009]	HK0922875-053		**9**				
WSD19 MID-EBB DUP	[04-NOV-2009]	HK0922875-054		**8**				
WSD20 MID-EBB	[04-NOV-2009]	HK0922875-055		**7**				
WSD20 MID-EBB DUP	[04-NOV-2009]	HK0922875-056		**9**				
C8 MID-EBB	[04-NOV-2009]	HK0922875-057		**12**				
C8 MID-EBB DUP	[04-NOV-2009]	HK0922875-058		**13**				
C9 MID-EBB	[04-NOV-2009]	HK0922875-059		**14**				
C9 MID-EBB DUP	[04-NOV-2009]	HK0922875-060		**13**				
C1 MID-EBB	[04-NOV-2009]	HK0922875-061		**6**				
C1 MID-EBB DUP	[04-NOV-2009]	HK0922875-062		**8**				
C2 MID-EBB	[04-NOV-2009]	HK0922875-063		**8**				
C2 MID-EBB DUP	[04-NOV-2009]	HK0922875-064		**9**				
C3 MID-EBB	[04-NOV-2009]	HK0922875-065		**8**				
C3 MID-EBB DUP	[04-NOV-2009]	HK0922875-066		**9**				
C4 MID-EBB	[04-NOV-2009]	HK0922875-067		**13**				
C4 MID-EBB DUP	[04-NOV-2009]	HK0922875-068		**14**				
C5 MID-EBB	[04-NOV-2009]	HK0922875-069		**11**				
C5 MID-EBB DUP	[04-NOV-2009]	HK0922875-070		**14**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[04-NOV-2009]	HK0922875-071		**6**				
C6 MID-EBB DUP	[04-NOV-2009]	HK0922875-072		**6**				
C7 MID-EBB	[04-NOV-2009]	HK0922875-073		**10**				
C7 MID-EBB DUP	[04-NOV-2009]	HK0922875-074		**8**				
RC1 MID-EBB	[04-NOV-2009]	HK0922875-075		**6**				
RC1 MID-EBB DUP	[04-NOV-2009]	HK0922875-076		**7**				
RC5 MID-EBB	[04-NOV-2009]	HK0922875-077		**10**				
RC5 MID-EBB DUP	[04-NOV-2009]	HK0922875-078		**10**				
RC7 MID-EBB	[04-NOV-2009]	HK0922875-079		**9**				
RC7 MID-EBB DUP	[04-NOV-2009]	HK0922875-080		**10**				
WSD21 MID-EBB	[04-NOV-2009]	HK0922875-081		**10**				
WSD21 MID-EBB DUP	[04-NOV-2009]	HK0922875-082		**11**				
RW1 MID-EBB	[04-NOV-2009]	HK0922875-083		**10**				
RW1 MID-EBB DUP	[04-NOV-2009]	HK0922875-084		**9**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1155944)								
HK0922875-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	12	0.0
HK0922875-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1155945)								
HK0922875-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	11	11.5
HK0922875-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1155946)								
HK0922875-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	0.0
HK0922875-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	5	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1155947)								
HK0922875-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	6	6	0.0
HK0922875-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	14.8
EA/ED: Physical and Aggregate Properties (QC Lot: 1155948)								
HK0922875-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1155944)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	97.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1155945)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1155946)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	89.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1155947)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1155948)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	88.5	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: CHUNG SHUN BORING ENG CO LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: ----	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0922876
Address	: ----	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: ----	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: ----	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: BASELINE MONITORING - WQM	Quote number	: HK/1192a/2009**	Date received	: 06-NOV-2009
Order number	: ----			Date of issue	: 13-NOV-2009
C-O-C number	: ----			No. of samples	- Received : 84
Site	: ----				- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922876 supersedes any previous reports with this reference. The completion date of analysis is 10-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922876 : **Sample(s) were received in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[06-NOV-2009]	HK0922876-001		**18**				
WSD7 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-002		**19**				
WSD9 MID-FLOOD	[06-NOV-2009]	HK0922876-003		**8**				
WSD9 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-004		**8**				
WSD10 MID-FLOOD	[06-NOV-2009]	HK0922876-005		**7**				
WSD10 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-006		**9**				
WSD15 MID-FLOOD	[06-NOV-2009]	HK0922876-007		**8**				
WSD15 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-008		**10**				
WSD17 MID-FLOOD	[06-NOV-2009]	HK0922876-009		**9**				
WSD17 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-010		**11**				
WSD19 MID-FLOOD	[06-NOV-2009]	HK0922876-011		**8**				
WSD19 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-012		**10**				
WSD20 MID-FLOOD	[06-NOV-2009]	HK0922876-013		**11**				
WSD20 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-014		**12**				
C8 MID-FLOOD	[06-NOV-2009]	HK0922876-015		**19**				
C8 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-016		**16**				
C9 MID-FLOOD	[06-NOV-2009]	HK0922876-017		**12**				
C9 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-018		**12**				
C1 MID-FLOOD	[06-NOV-2009]	HK0922876-019		**13**				
C1 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-020		**11**				
C2 MID-FLOOD	[06-NOV-2009]	HK0922876-021		**9**				
C2 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-022		**8**				
C3 MID-FLOOD	[06-NOV-2009]	HK0922876-023		**14**				
C3 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-024		**12**				
C4 MID-FLOOD	[06-NOV-2009]	HK0922876-025		**14**				
C4 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-026		**13**				
C5 MID-FLOOD	[06-NOV-2009]	HK0922876-027		**16**				
C5 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-028		**14**				
C6 MID-FLOOD	[06-NOV-2009]	HK0922876-029		**10**				
C6 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-030		**9**				
C7 MID-FLOOD	[06-NOV-2009]	HK0922876-031		**9**				
C7 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-032		**9**				
RC1 MID-FLOOD	[06-NOV-2009]	HK0922876-033		**16**				
RC1 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-034		**15**				
RC5 MID-FLOOD	[06-NOV-2009]	HK0922876-035		**12**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-036		**11**				
RC7 MID-FLOOD	[06-NOV-2009]	HK0922876-037		**9**				
RC7 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-038		**9**				
WSD21 MID-FLOOD	[06-NOV-2009]	HK0922876-039		**10**				
WSD21 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-040		**9**				
RW1 MID-FLOOD	[06-NOV-2009]	HK0922876-041		**12**				
RW1 MID-FLOOD DUP	[06-NOV-2009]	HK0922876-042		**12**				
WSD7 MID-EBB	[06-NOV-2009]	HK0922876-043		**11**				
WSD7 MID-EBB DUP	[06-NOV-2009]	HK0922876-044		**9**				
WSD9 MID-EBB	[06-NOV-2009]	HK0922876-045		**6**				
WSD9 MID-EBB DUP	[06-NOV-2009]	HK0922876-046		**7**				
WSD10 MID-EBB	[06-NOV-2009]	HK0922876-047		**7**				
WSD10 MID-EBB DUP	[06-NOV-2009]	HK0922876-048		**6**				
WSD15 MID-EBB	[06-NOV-2009]	HK0922876-049		**11**				
WSD15 MID-EBB DUP	[06-NOV-2009]	HK0922876-050		**9**				
WSD17 MID-EBB	[06-NOV-2009]	HK0922876-051		**10**				
WSD17 MID-EBB DUP	[06-NOV-2009]	HK0922876-052		**8**				
WSD19 MID-EBB	[06-NOV-2009]	HK0922876-053		**10**				
WSD19 MID-EBB DUP	[06-NOV-2009]	HK0922876-054		**8**				
WSD20 MID-EBB	[06-NOV-2009]	HK0922876-055		**8**				
WSD20 MID-EBB DUP	[06-NOV-2009]	HK0922876-056		**10**				
C8 MID-EBB	[06-NOV-2009]	HK0922876-057		**9**				
C8 MID-EBB DUP	[06-NOV-2009]	HK0922876-058		**11**				
C9 MID-EBB	[06-NOV-2009]	HK0922876-059		**12**				
C9 MID-EBB DUP	[06-NOV-2009]	HK0922876-060		**14**				
C1 MID-EBB	[06-NOV-2009]	HK0922876-061		**6**				
C1 MID-EBB DUP	[06-NOV-2009]	HK0922876-062		**6**				
C2 MID-EBB	[06-NOV-2009]	HK0922876-063		**7**				
C2 MID-EBB DUP	[06-NOV-2009]	HK0922876-064		**9**				
C3 MID-EBB	[06-NOV-2009]	HK0922876-065		**7**				
C3 MID-EBB DUP	[06-NOV-2009]	HK0922876-066		**6**				
C4 MID-EBB	[06-NOV-2009]	HK0922876-067		**9**				
C4 MID-EBB DUP	[06-NOV-2009]	HK0922876-068		**10**				
C5 MID-EBB	[06-NOV-2009]	HK0922876-069		**11**				
C5 MID-EBB DUP	[06-NOV-2009]	HK0922876-070		**12**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[06-NOV-2009]	HK0922876-071		**8**				
C6 MID-EBB DUP	[06-NOV-2009]	HK0922876-072		**8**				
C7 MID-EBB	[06-NOV-2009]	HK0922876-073		**9**				
C7 MID-EBB DUP	[06-NOV-2009]	HK0922876-074		**7**				
RC1 MID-EBB	[06-NOV-2009]	HK0922876-075		**8**				
RC1 MID-EBB DUP	[06-NOV-2009]	HK0922876-076		**9**				
RC5 MID-EBB	[06-NOV-2009]	HK0922876-077		**8**				
RC5 MID-EBB DUP	[06-NOV-2009]	HK0922876-078		**9**				
RC7 MID-EBB	[06-NOV-2009]	HK0922876-079		**9**				
RC7 MID-EBB DUP	[06-NOV-2009]	HK0922876-080		**9**				
WSD21 MID-EBB	[06-NOV-2009]	HK0922876-081		**9**				
WSD21 MID-EBB DUP	[06-NOV-2009]	HK0922876-082		**8**				
RW1 MID-EBB	[06-NOV-2009]	HK0922876-083		**11**				
RW1 MID-EBB DUP	[06-NOV-2009]	HK0922876-084		**9**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1156264)								
HK0922876-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	18	18	0.0
HK0922876-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1156265)								
HK0922876-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	13.3
HK0922876-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	12.6
EA/ED: Physical and Aggregate Properties (QC Lot: 1156266)								
HK0922876-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	14	12.6
HK0922876-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	8	13.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1156267)								
HK0922876-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	0.0
HK0922876-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	10	14.4
EA/ED: Physical and Aggregate Properties (QC Lot: 1156268)								
HK0922876-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1156264)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	90.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1156265)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	111	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1156266)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1156267)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	105	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1156268)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: **CHUNG SHUN BORING ENG CO LTD**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **----**	*Contact*	: **Chan Kwok Fai, Godfrey**	*Work Order*	: **HK0922877**		
Address	: **----**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **----**	*E-mail*	: **Godfrey.Chan@alsenviro.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **BASELINE MONITORING - WQM**	*Quote number*	: **HK/1192a/2009****	*Date received*	: **10-NOV-2009**		
Order number	: **----**			*Date of issue*	: **17-NOV-2009**		
C-O-C number	: **----**			*No. of samples*	- *Received* :	**84**	
Site	: **----**				- *Analysed* :	**84**	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922877 supersedes any previous reports with this reference. The completion date of analysis is 13-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922877 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	*Position*	*Authorised results for:-*
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[10-NOV-2009]	HK0922877-001		**12**				
WSD7 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-002		**14**				
WSD9 MID-FLOOD	[10-NOV-2009]	HK0922877-003		**10**				
WSD9 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-004		**12**				
WSD10 MID-FLOOD	[10-NOV-2009]	HK0922877-005		**13**				
WSD10 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-006		**12**				
WSD15 MID-FLOOD	[10-NOV-2009]	HK0922877-007		**6**				
WSD15 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-008		**7**				
WSD17 MID-FLOOD	[10-NOV-2009]	HK0922877-009		**13**				
WSD17 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-010		**12**				
WSD19 MID-FLOOD	[10-NOV-2009]	HK0922877-011		**14**				
WSD19 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-012		**15**				
WSD20 MID-FLOOD	[10-NOV-2009]	HK0922877-013		**7**				
WSD20 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-014		**9**				
C8 MID-FLOOD	[10-NOV-2009]	HK0922877-015		**14**				
C8 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-016		**11**				
C9 MID-FLOOD	[10-NOV-2009]	HK0922877-017		**13**				
C9 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-018		**13**				
C1 MID-FLOOD	[10-NOV-2009]	HK0922877-019		**9**				
C1 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-020		**8**				
C2 MID-FLOOD	[10-NOV-2009]	HK0922877-021		**11**				
C2 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-022		**10**				
C3 MID-FLOOD	[10-NOV-2009]	HK0922877-023		**12**				
C3 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-024		**11**				
C4 MID-FLOOD	[10-NOV-2009]	HK0922877-025		**10**				
C4 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-026		**11**				
C5 MID-FLOOD	[10-NOV-2009]	HK0922877-027		**10**				
C5 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-028		**10**				
C6 MID-FLOOD	[10-NOV-2009]	HK0922877-029		**7**				
C6 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-030		**7**				
C7 MID-FLOOD	[10-NOV-2009]	HK0922877-031		**8**				
C7 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-032		**6**				
RC1 MID-FLOOD	[10-NOV-2009]	HK0922877-033		**9**				
RC1 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-034		**10**				
RC5 MID-FLOOD	[10-NOV-2009]	HK0922877-035		**8**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-036		**8**				
RC7 MID-FLOOD	[10-NOV-2009]	HK0922877-037		**6**				
RC7 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-038		**7**				
WSD21 MID-FLOOD	[10-NOV-2009]	HK0922877-039		**10**				
WSD21 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-040		**11**				
RW1 MID-FLOOD	[10-NOV-2009]	HK0922877-041		**10**				
RW1 MID-FLOOD DUP	[10-NOV-2009]	HK0922877-042		**12**				
WSD7 MID-EBB	[10-NOV-2009]	HK0922877-043		**8**				
WSD7 MID-EBB DUP	[10-NOV-2009]	HK0922877-044		**10**				
WSD9 MID-EBB	[10-NOV-2009]	HK0922877-045		**9**				
WSD9 MID-EBB DUP	[10-NOV-2009]	HK0922877-046		**9**				
WSD10 MID-EBB	[10-NOV-2009]	HK0922877-047		**8**				
WSD10 MID-EBB DUP	[10-NOV-2009]	HK0922877-048		**6**				
WSD15 MID-EBB	[10-NOV-2009]	HK0922877-049		**6**				
WSD15 MID-EBB DUP	[10-NOV-2009]	HK0922877-050		**8**				
WSD17 MID-EBB	[10-NOV-2009]	HK0922877-051		**9**				
WSD17 MID-EBB DUP	[10-NOV-2009]	HK0922877-052		**8**				
WSD19 MID-EBB	[10-NOV-2009]	HK0922877-053		**5**				
WSD19 MID-EBB DUP	[10-NOV-2009]	HK0922877-054		**6**				
WSD20 MID-EBB	[10-NOV-2009]	HK0922877-055		**7**				
WSD20 MID-EBB DUP	[10-NOV-2009]	HK0922877-056		**7**				
C8 MID-EBB	[10-NOV-2009]	HK0922877-057		**10**				
C8 MID-EBB DUP	[10-NOV-2009]	HK0922877-058		**9**				
C9 MID-EBB	[10-NOV-2009]	HK0922877-059		**8**				
C9 MID-EBB DUP	[10-NOV-2009]	HK0922877-060		**8**				
C1 MID-EBB	[10-NOV-2009]	HK0922877-061		**8**				
C1 MID-EBB DUP	[10-NOV-2009]	HK0922877-062		**8**				
C2 MID-EBB	[10-NOV-2009]	HK0922877-063		**5**				
C2 MID-EBB DUP	[10-NOV-2009]	HK0922877-064		**5**				
C3 MID-EBB	[10-NOV-2009]	HK0922877-065		**6**				
C3 MID-EBB DUP	[10-NOV-2009]	HK0922877-066		**6**				
C4 MID-EBB	[10-NOV-2009]	HK0922877-067		**6**				
C4 MID-EBB DUP	[10-NOV-2009]	HK0922877-068		**7**				
C5 MID-EBB	[10-NOV-2009]	HK0922877-069		**8**				
C5 MID-EBB DUP	[10-NOV-2009]	HK0922877-070		**8**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[10-NOV-2009]	HK0922877-071		**9**				
C6 MID-EBB DUP	[10-NOV-2009]	HK0922877-072		**7**				
C7 MID-EBB	[10-NOV-2009]	HK0922877-073		**7**				
C7 MID-EBB DUP	[10-NOV-2009]	HK0922877-074		**7**				
RC1 MID-EBB	[10-NOV-2009]	HK0922877-075		**7**				
RC1 MID-EBB DUP	[10-NOV-2009]	HK0922877-076		**7**				
RC5 MID-EBB	[10-NOV-2009]	HK0922877-077		**8**				
RC5 MID-EBB DUP	[10-NOV-2009]	HK0922877-078		**7**				
RC7 MID-EBB	[10-NOV-2009]	HK0922877-079		**8**				
RC7 MID-EBB DUP	[10-NOV-2009]	HK0922877-080		**8**				
WSD21 MID-EBB	[10-NOV-2009]	HK0922877-081		**8**				
WSD21 MID-EBB DUP	[10-NOV-2009]	HK0922877-082		**8**				
RW1 MID-EBB	[10-NOV-2009]	HK0922877-083		**9**				
RW1 MID-EBB DUP	[10-NOV-2009]	HK0922877-084		**7**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1159693)								
HK0922877-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	11	0.0
HK0922877-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	14	14	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1159694)								
HK0922877-022	C2 MID-FLOOD DUP	EA025: Suspended Solids (SS)	----	2	mg/L	10	10	10.0
HK0922877-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1159695)								
HK0922877-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	8	12.7
HK0922877-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	12.6
EA/ED: Physical and Aggregate Properties (QC Lot: 1159696)								
HK0922877-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	12.4
HK0922877-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	13.1
EA/ED: Physical and Aggregate Properties (QC Lot: 1159697)								
HK0922877-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1159693)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	87.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1159694)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	110	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1159695)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1159696)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	110	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1159697)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	89.0	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: CHUNG SHUN BORING ENG CO LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: ----	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0922878
Address	: ----	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: ----	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: ----	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: BASELINE MONITORING - WQM	Quote number	: HK/1192a/2009**	Date received	: 12-NOV-2009
Order number	: ----			Date of issue	: 19-NOV-2009
C-O-C number	: ----			No. of samples	- Received : 84
Site	: ----				- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922878 supersedes any previous reports with this reference. The completion date of analysis is 13-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922878 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[12-NOV-2009]	HK0922878-001		**11**				
WSD7 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-002		**11**				
WSD9 MID-FLOOD	[12-NOV-2009]	HK0922878-003		**7**				
WSD9 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-004		**9**				
WSD10 MID-FLOOD	[12-NOV-2009]	HK0922878-005		**5**				
WSD10 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-006		**4**				
WSD15 MID-FLOOD	[12-NOV-2009]	HK0922878-007		**8**				
WSD15 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-008		**7**				
WSD17 MID-FLOOD	[12-NOV-2009]	HK0922878-009		**14**				
WSD17 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-010		**13**				
WSD19 MID-FLOOD	[12-NOV-2009]	HK0922878-011		**12**				
WSD19 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-012		**11**				
WSD20 MID-FLOOD	[12-NOV-2009]	HK0922878-013		**6**				
WSD20 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-014		**7**				
C8 MID-FLOOD	[12-NOV-2009]	HK0922878-015		**24**				
C8 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-016		**20**				
C9 MID-FLOOD	[12-NOV-2009]	HK0922878-017		**18**				
C9 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-018		**19**				
C1 MID-FLOOD	[12-NOV-2009]	HK0922878-019		**10**				
C1 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-020		**10**				
C2 MID-FLOOD	[12-NOV-2009]	HK0922878-021		**10**				
C2 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-022		**10**				
C3 MID-FLOOD	[12-NOV-2009]	HK0922878-023		**10**				
C3 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-024		**10**				
C4 MID-FLOOD	[12-NOV-2009]	HK0922878-025		**11**				
C4 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-026		**11**				
C5 MID-FLOOD	[12-NOV-2009]	HK0922878-027		**10**				
C5 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-028		**9**				
C6 MID-FLOOD	[12-NOV-2009]	HK0922878-029		**10**				
C6 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-030		**12**				
C7 MID-FLOOD	[12-NOV-2009]	HK0922878-031		**8**				
C7 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-032		**10**				
RC1 MID-FLOOD	[12-NOV-2009]	HK0922878-033		**6**				
RC1 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-034		**8**				
RC5 MID-FLOOD	[12-NOV-2009]	HK0922878-035		**10**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-036		**9**				
RC7 MID-FLOOD	[12-NOV-2009]	HK0922878-037		**6**				
RC7 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-038		**7**				
WSD21 MID-FLOOD	[12-NOV-2009]	HK0922878-039		**10**				
WSD21 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-040		**9**				
RW1 MID-FLOOD	[12-NOV-2009]	HK0922878-041		**9**				
RW1 MID-FLOOD DUP	[12-NOV-2009]	HK0922878-042		**9**				
WSD7 MID-EBB	[12-NOV-2009]	HK0922878-043		**8**				
WSD7 MID-EBB DUP	[12-NOV-2009]	HK0922878-044		**7**				
WSD9 MID-EBB	[12-NOV-2009]	HK0922878-045		**6**				
WSD9 MID-EBB DUP	[12-NOV-2009]	HK0922878-046		**5**				
WSD10 MID-EBB	[12-NOV-2009]	HK0922878-047		**5**				
WSD10 MID-EBB DUP	[12-NOV-2009]	HK0922878-048		**6**				
WSD15 MID-EBB	[12-NOV-2009]	HK0922878-049		**10**				
WSD15 MID-EBB DUP	[12-NOV-2009]	HK0922878-050		**8**				
WSD17 MID-EBB	[12-NOV-2009]	HK0922878-051		**9**				
WSD17 MID-EBB DUP	[12-NOV-2009]	HK0922878-052		**9**				
WSD19 MID-EBB	[12-NOV-2009]	HK0922878-053		**9**				
WSD19 MID-EBB DUP	[12-NOV-2009]	HK0922878-054		**10**				
WSD20 MID-EBB	[12-NOV-2009]	HK0922878-055		**5**				
WSD20 MID-EBB DUP	[12-NOV-2009]	HK0922878-056		**6**				
C8 MID-EBB	[12-NOV-2009]	HK0922878-057		**8**				
C8 MID-EBB DUP	[12-NOV-2009]	HK0922878-058		**9**				
C9 MID-EBB	[12-NOV-2009]	HK0922878-059		**12**				
C9 MID-EBB DUP	[12-NOV-2009]	HK0922878-060		**13**				
C1 MID-EBB	[12-NOV-2009]	HK0922878-061		**6**				
C1 MID-EBB DUP	[12-NOV-2009]	HK0922878-062		**8**				
C2 MID-EBB	[12-NOV-2009]	HK0922878-063		**7**				
C2 MID-EBB DUP	[12-NOV-2009]	HK0922878-064		**7**				
C3 MID-EBB	[12-NOV-2009]	HK0922878-065		**7**				
C3 MID-EBB DUP	[12-NOV-2009]	HK0922878-066		**8**				
C4 MID-EBB	[12-NOV-2009]	HK0922878-067		**8**				
C4 MID-EBB DUP	[12-NOV-2009]	HK0922878-068		**10**				
C5 MID-EBB	[12-NOV-2009]	HK0922878-069		**16**				
C5 MID-EBB DUP	[12-NOV-2009]	HK0922878-070		**14**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[12-NOV-2009]	HK0922878-071		**7**				
C6 MID-EBB DUP	[12-NOV-2009]	HK0922878-072		**6**				
C7 MID-EBB	[12-NOV-2009]	HK0922878-073		**7**				
C7 MID-EBB DUP	[12-NOV-2009]	HK0922878-074		**4**				
RC1 MID-EBB	[12-NOV-2009]	HK0922878-075		**9**				
RC1 MID-EBB DUP	[12-NOV-2009]	HK0922878-076		**8**				
RC5 MID-EBB	[12-NOV-2009]	HK0922878-077		**11**				
RC5 MID-EBB DUP	[12-NOV-2009]	HK0922878-078		**10**				
RC7 MID-EBB	[12-NOV-2009]	HK0922878-079		**9**				
RC7 MID-EBB DUP	[12-NOV-2009]	HK0922878-080		**7**				
WSD21 MID-EBB	[12-NOV-2009]	HK0922878-081		**11**				
WSD21 MID-EBB DUP	[12-NOV-2009]	HK0922878-082		**10**				
RW1 MID-EBB	[12-NOV-2009]	HK0922878-083		**10**				
RW1 MID-EBB DUP	[12-NOV-2009]	HK0922878-084		**11**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1162684)								
HK0922878-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	11	10	0.0
HK0922878-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	13	10.4
EA/ED: Physical and Aggregate Properties (QC Lot: 1162685)								
HK0922878-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	10.1
HK0922878-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1162686)								
HK0922878-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	11.2
HK0922878-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	12.2
EA/ED: Physical and Aggregate Properties (QC Lot: 1162687)								
HK0922878-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	0.0
HK0922878-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	7	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1162688)								
HK0922878-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	11	12	8.9

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1162684)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1162685)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	111	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1162686)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1162687)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1162688)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	114	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: CHUNG SHUN BORING ENG CO LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: ----	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0922879
Address	: ----	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: ----	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: ----	Telephone	: +852 2610 1044		
Facsimile	: ----	Facsimile	: +852 2610 2021		
Project	: BASELINE MONITORING - WQM	Quote number	: HK/1192a/2009**	Date received	: 14-NOV-2009
Order number	: ----			Date of issue	: 20-NOV-2009
C-O-C number	: ----			No. of samples	- Received : 84
Site	: ----				- Analysed : 84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922879 supersedes any previous reports with this reference. The completion date of analysis is 17-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922879 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	Position	Authorised results for:-
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[14-NOV-2009]	HK0922879-001		**9**				
WSD7 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-002		**7**				
WSD9 MID-FLOOD	[14-NOV-2009]	HK0922879-003		**7**				
WSD9 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-004		**5**				
WSD10 MID-FLOOD	[14-NOV-2009]	HK0922879-005		**10**				
WSD10 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-006		**9**				
WSD15 MID-FLOOD	[14-NOV-2009]	HK0922879-007		**9**				
WSD15 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-008		**8**				
WSD17 MID-FLOOD	[14-NOV-2009]	HK0922879-009		**8**				
WSD17 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-010		**8**				
WSD19 MID-FLOOD	[14-NOV-2009]	HK0922879-011		**12**				
WSD19 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-012		**11**				
WSD20 MID-FLOOD	[14-NOV-2009]	HK0922879-013		**10**				
WSD20 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-014		**10**				
C8 MID-FLOOD	[14-NOV-2009]	HK0922879-015		**14**				
C8 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-016		**15**				
C9 MID-FLOOD	[14-NOV-2009]	HK0922879-017		**16**				
C9 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-018		**14**				
C1 MID-FLOOD	[14-NOV-2009]	HK0922879-019		**6**				
C1 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-020		**8**				
C2 MID-FLOOD	[14-NOV-2009]	HK0922879-021		**9**				
C2 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-022		**11**				
C3 MID-FLOOD	[14-NOV-2009]	HK0922879-023		**12**				
C3 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-024		**10**				
C4 MID-FLOOD	[14-NOV-2009]	HK0922879-025		**12**				
C4 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-026		**14**				
C5 MID-FLOOD	[14-NOV-2009]	HK0922879-027		**16**				
C5 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-028		**13**				
C6 MID-FLOOD	[14-NOV-2009]	HK0922879-029		**8**				
C6 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-030		**7**				
C7 MID-FLOOD	[14-NOV-2009]	HK0922879-031		**7**				
C7 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-032		**7**				
RC1 MID-FLOOD	[14-NOV-2009]	HK0922879-033		**11**				
RC1 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-034		**14**				
RC5 MID-FLOOD	[14-NOV-2009]	HK0922879-035		**8**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-036		**10**				
RC7 MID-FLOOD	[14-NOV-2009]	HK0922879-037		**10**				
RC7 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-038		**10**				
WSD21 MID-FLOOD	[14-NOV-2009]	HK0922879-039		**11**				
WSD21 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-040		**10**				
RW1 MID-FLOOD	[14-NOV-2009]	HK0922879-041		**7**				
RW1 MID-FLOOD DUP	[14-NOV-2009]	HK0922879-042		**8**				
WSD7 MID-EBB	[14-NOV-2009]	HK0922879-043		**6**				
WSD7 MID-EBB DUP	[14-NOV-2009]	HK0922879-044		**6**				
WSD9 MID-EBB	[14-NOV-2009]	HK0922879-045		**7**				
WSD9 MID-EBB DUP	[14-NOV-2009]	HK0922879-046		**6**				
WSD10 MID-EBB	[14-NOV-2009]	HK0922879-047		**8**				
WSD10 MID-EBB DUP	[14-NOV-2009]	HK0922879-048		**7**				
WSD15 MID-EBB	[14-NOV-2009]	HK0922879-049		**8**				
WSD15 MID-EBB DUP	[14-NOV-2009]	HK0922879-050		**8**				
WSD17 MID-EBB	[14-NOV-2009]	HK0922879-051		**8**				
WSD17 MID-EBB DUP	[14-NOV-2009]	HK0922879-052		**9**				
WSD19 MID-EBB	[14-NOV-2009]	HK0922879-053		**9**				
WSD19 MID-EBB DUP	[14-NOV-2009]	HK0922879-054		**7**				
WSD20 MID-EBB	[14-NOV-2009]	HK0922879-055		**7**				
WSD20 MID-EBB DUP	[14-NOV-2009]	HK0922879-056		**7**				
C8 MID-EBB	[14-NOV-2009]	HK0922879-057		**10**				
C8 MID-EBB DUP	[14-NOV-2009]	HK0922879-058		**10**				
C9 MID-EBB	[14-NOV-2009]	HK0922879-059		**14**				
C9 MID-EBB DUP	[14-NOV-2009]	HK0922879-060		**12**				
C1 MID-EBB	[14-NOV-2009]	HK0922879-061		**9**				
C1 MID-EBB DUP	[14-NOV-2009]	HK0922879-062		**11**				
C2 MID-EBB	[14-NOV-2009]	HK0922879-063		**10**				
C2 MID-EBB DUP	[14-NOV-2009]	HK0922879-064		**9**				
C3 MID-EBB	[14-NOV-2009]	HK0922879-065		**9**				
C3 MID-EBB DUP	[14-NOV-2009]	HK0922879-066		**10**				
C4 MID-EBB	[14-NOV-2009]	HK0922879-067		**11**				
C4 MID-EBB DUP	[14-NOV-2009]	HK0922879-068		**13**				
C5 MID-EBB	[14-NOV-2009]	HK0922879-069		**11**				
C5 MID-EBB DUP	[14-NOV-2009]	HK0922879-070		**10**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[14-NOV-2009]	HK0922879-071		**10**				
C6 MID-EBB DUP	[14-NOV-2009]	HK0922879-072		**8**				
C7 MID-EBB	[14-NOV-2009]	HK0922879-073		**5**				
C7 MID-EBB DUP	[14-NOV-2009]	HK0922879-074		**6**				
RC1 MID-EBB	[14-NOV-2009]	HK0922879-075		**8**				
RC1 MID-EBB DUP	[14-NOV-2009]	HK0922879-076		**6**				
RC5 MID-EBB	[14-NOV-2009]	HK0922879-077		**10**				
RC5 MID-EBB DUP	[14-NOV-2009]	HK0922879-078		**9**				
RC7 MID-EBB	[14-NOV-2009]	HK0922879-079		**10**				
RC7 MID-EBB DUP	[14-NOV-2009]	HK0922879-080		**8**				
WSD21 MID-EBB	[14-NOV-2009]	HK0922879-081		**10**				
WSD21 MID-EBB DUP	[14-NOV-2009]	HK0922879-082		**12**				
RW1 MID-EBB	[14-NOV-2009]	HK0922879-083		**11**				
RW1 MID-EBB DUP	[14-NOV-2009]	HK0922879-084		**10**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1165987)								
HK0922879-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	0.0
HK0922879-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	12	13	9.8
EA/ED: Physical and Aggregate Properties (QC Lot: 1165988)								
HK0922879-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	10	10.3
HK0922879-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1165989)								
HK0922879-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	7	8	0.0
HK0922879-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1165990)								
HK0922879-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	9	9	0.0
HK0922879-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	9	10.6
EA/ED: Physical and Aggregate Properties (QC Lot: 1165991)								
HK0922879-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	11	10.6

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1165987)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	87.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1165988)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1165989)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	87.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1165990)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1165991)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.0	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

CERTIFICATE OF ANALYSIS

Client	: **CHUNG SHUN BORING ENG CO LTD**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **----**	*Contact*	: **Chan Kwok Fai, Godfrey**	*Work Order*	: **HK0922881**		
Address	: **----**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **----**	*E-mail*	: **Godfrey.Chan@alsenviro.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **BASELINE MONITORING - WQM**	*Quote number*	: **HK/1192a/2009****	*Date received*	: **16-NOV-2009**		
Order number	: **----**			*Date of issue*	: **23-NOV-2009**		
C-O-C number	: **----**			*No. of samples*	- *Received* :	**84**	
Site	: **----**				- *Analysed* :	**84**	

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0922881 supersedes any previous reports with this reference. The completion date of analysis is 20-NOV-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0922881 : **Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the 'Electronic Transactions Ordinance' of Hong Kong, Chapter 553, Section 6.

Signatory	*Position*	*Authorised results for:-*
Fung Lim Chee, Richard	**General Manager**	**Inorganics**

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
WSD7 MID-FLOOD	[16-NOV-2009]	HK0922881-001		**8**				
WSD7 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-002		**10**				
WSD9 MID-FLOOD	[16-NOV-2009]	HK0922881-003		**6**				
WSD9 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-004		**7**				
WSD10 MID-FLOOD	[16-NOV-2009]	HK0922881-005		**4**				
WSD10 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-006		**5**				
WSD15 MID-FLOOD	[16-NOV-2009]	HK0922881-007		**6**				
WSD15 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-008		**8**				
WSD17 MID-FLOOD	[16-NOV-2009]	HK0922881-009		**6**				
WSD17 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-010		**6**				
WSD19 MID-FLOOD	[16-NOV-2009]	HK0922881-011		**6**				
WSD19 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-012		**6**				
WSD20 MID-FLOOD	[16-NOV-2009]	HK0922881-013		**6**				
WSD20 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-014		**8**				
C8 MID-FLOOD	[16-NOV-2009]	HK0922881-015		**7**				
C8 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-016		**5**				
C9 MID-FLOOD	[16-NOV-2009]	HK0922881-017		**6**				
C9 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-018		**6**				
C1 MID-FLOOD	[16-NOV-2009]	HK0922881-019		**5**				
C1 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-020		**6**				
C2 MID-FLOOD	[16-NOV-2009]	HK0922881-021		**8**				
C2 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-022		**6**				
C3 MID-FLOOD	[16-NOV-2009]	HK0922881-023		**6**				
C3 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-024		**7**				
C4 MID-FLOOD	[16-NOV-2009]	HK0922881-025		**12**				
C4 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-026		**10**				
C5 MID-FLOOD	[16-NOV-2009]	HK0922881-027		**6**				
C5 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-028		**6**				
C6 MID-FLOOD	[16-NOV-2009]	HK0922881-029		**6**				
C6 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-030		**8**				
C7 MID-FLOOD	[16-NOV-2009]	HK0922881-031		**9**				
C7 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-032		**9**				
RC1 MID-FLOOD	[16-NOV-2009]	HK0922881-033		**5**				
RC1 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-034		**7**				
RC5 MID-FLOOD	[16-NOV-2009]	HK0922881-035		**6**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
RC5 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-036		**7**				
RC7 MID-FLOOD	[16-NOV-2009]	HK0922881-037		**7**				
RC7 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-038		**6**				
WSD21 MID-FLOOD	[16-NOV-2009]	HK0922881-039		**6**				
WSD21 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-040		**4**				
RW1 MID-FLOOD	[16-NOV-2009]	HK0922881-041		**6**				
RW1 MID-FLOOD DUP	[16-NOV-2009]	HK0922881-042		**7**				
WSD7 MID-EBB	[16-NOV-2009]	HK0922881-043		**7**				
WSD7 MID-EBB DUP	[16-NOV-2009]	HK0922881-044		**6**				
WSD9 MID-EBB	[16-NOV-2009]	HK0922881-045		**8**				
WSD9 MID-EBB DUP	[16-NOV-2009]	HK0922881-046		**8**				
WSD10 MID-EBB	[16-NOV-2009]	HK0922881-047		**4**				
WSD10 MID-EBB DUP	[16-NOV-2009]	HK0922881-048		**6**				
WSD15 MID-EBB	[16-NOV-2009]	HK0922881-049		**6**				
WSD15 MID-EBB DUP	[16-NOV-2009]	HK0922881-050		**8**				
WSD17 MID-EBB	[16-NOV-2009]	HK0922881-051		**11**				
WSD17 MID-EBB DUP	[16-NOV-2009]	HK0922881-052		**8**				
WSD19 MID-EBB	[16-NOV-2009]	HK0922881-053		**4**				
WSD19 MID-EBB DUP	[16-NOV-2009]	HK0922881-054		**4**				
WSD20 MID-EBB	[16-NOV-2009]	HK0922881-055		**8**				
WSD20 MID-EBB DUP	[16-NOV-2009]	HK0922881-056		**9**				
C8 MID-EBB	[16-NOV-2009]	HK0922881-057		**8**				
C8 MID-EBB DUP	[16-NOV-2009]	HK0922881-058		**9**				
C9 MID-EBB	[16-NOV-2009]	HK0922881-059		**7**				
C9 MID-EBB DUP	[16-NOV-2009]	HK0922881-060		**7**				
C1 MID-EBB	[16-NOV-2009]	HK0922881-061		**6**				
C1 MID-EBB DUP	[16-NOV-2009]	HK0922881-062		**7**				
C2 MID-EBB	[16-NOV-2009]	HK0922881-063		**8**				
C2 MID-EBB DUP	[16-NOV-2009]	HK0922881-064		**7**				
C3 MID-EBB	[16-NOV-2009]	HK0922881-065		**7**				
C3 MID-EBB DUP	[16-NOV-2009]	HK0922881-066		**6**				
C4 MID-EBB	[16-NOV-2009]	HK0922881-067		**8**				
C4 MID-EBB DUP	[16-NOV-2009]	HK0922881-068		**9**				
C5 MID-EBB	[16-NOV-2009]	HK0922881-069		**7**				
C5 MID-EBB DUP	[16-NOV-2009]	HK0922881-070		**8**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	2 mg/L				
				EA/ED: Physical and Aggregate Properties				
C6 MID-EBB	[16-NOV-2009]	HK0922881-071		**10**				
C6 MID-EBB DUP	[16-NOV-2009]	HK0922881-072		**8**				
C7 MID-EBB	[16-NOV-2009]	HK0922881-073		**8**				
C7 MID-EBB DUP	[16-NOV-2009]	HK0922881-074		**6**				
RC1 MID-EBB	[16-NOV-2009]	HK0922881-075		**6**				
RC1 MID-EBB DUP	[16-NOV-2009]	HK0922881-076		**7**				
RC5 MID-EBB	[16-NOV-2009]	HK0922881-077		**9**				
RC5 MID-EBB DUP	[16-NOV-2009]	HK0922881-078		**9**				
RC7 MID-EBB	[16-NOV-2009]	HK0922881-079		**7**				
RC7 MID-EBB DUP	[16-NOV-2009]	HK0922881-080		**7**				
WSD21 MID-EBB	[16-NOV-2009]	HK0922881-081		**8**				
WSD21 MID-EBB DUP	[16-NOV-2009]	HK0922881-082		**8**				
RW1 MID-EBB	[16-NOV-2009]	HK0922881-083		**10**				
RW1 MID-EBB DUP	[16-NOV-2009]	HK0922881-084		**8**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1168159)								
HK0922881-001	WSD7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	8	0.0
HK0922881-011	WSD19 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1168160)								
HK0922881-021	C2 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	8	6	0.0
HK0922881-031	C7 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	9	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1168161)								
HK0922881-041	RW1 MID-FLOOD	EA025: Suspended Solids (SS)	----	2	mg/L	6	8	0.0
HK0922881-051	WSD17 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	11	9	12.7
EA/ED: Physical and Aggregate Properties (QC Lot: 1168162)								
HK0922881-061	C1 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	6	7	0.0
HK0922881-071	C6 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	10	9	12.5
EA/ED: Physical and Aggregate Properties (QC Lot: 1168163)								
HK0922881-081	WSD21 MID-EBB	EA025: Suspended Solids (SS)	----	2	mg/L	8	9	12.5

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1168159)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	86.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1168160)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1168161)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	113	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1168162)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1168163)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.0	----	85	115	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

Appendix D

Responses to Comments

Response to Comment - EPD's letter ref.: (24) in EP2/H4/S3/15 Pt.3 dated 19 January 2010

Water Quality Baseline Monitoring Report (version 4.12.2009)	
(1) Baseline montioring may need to include additional baseline monitoring as the result of enhanced water quality monitoring and audit programme. Please see our above general comment – water quality, on the EM&A Manual.	The enhanced water quality monitoring and audit programme will include monitoring of the dissolved oxygen level in seawater at 3 water depths in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter during temporary reclamation. The locations of the monitoring stations are shown in the attached Sketch A. The additional water quality baseline monitoring will comprise DO measures in seawater at 3 water depths in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter. As the temporary reclamation works in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter will commence only after June 2010, and the reclamation works in North Point due to commence in March 2010 will unlikely affect the DO level in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter, the additional DO baseline measures in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter will be carried out in April 2010, or thereafter but at least one month before the commencement of the temporary reclamation works in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter, and the measured baseline data will be supplementary to the current water quality baseline data. The additional DO baseline monitoring will be carried out at the proposed four monitoring stations: intakes C6 and C7 in Causeway Bay Typhoon Shelter, and the south-western and south-eastern corners of the ex-Wan Chai Public Cargo Working Area shown in the attached Sketch A. The measurements are to be taken 3 days per week, at mid-flood and mid-ebb tides, for at least 4 weeks prior to the commencement of dredging works at the south-western corner of Causeway Bay Typhoon Shelter and prior to temporary reclamation in Causeway Bay Typhoon Shelter and in the ex-Wan Chai Public Cargo Working Area. Any marine construction

	works should be avoided in the vicinity of the stations during the baseline monitoring. The interval between 2 sets of monitoring should not be less than 36 hours. Duplicate in-situ measurements should be carried out in each sampling event. For selection of tides for in-situ measurement, tidal range of individual flood and ebb tides should be less than 0.5m.