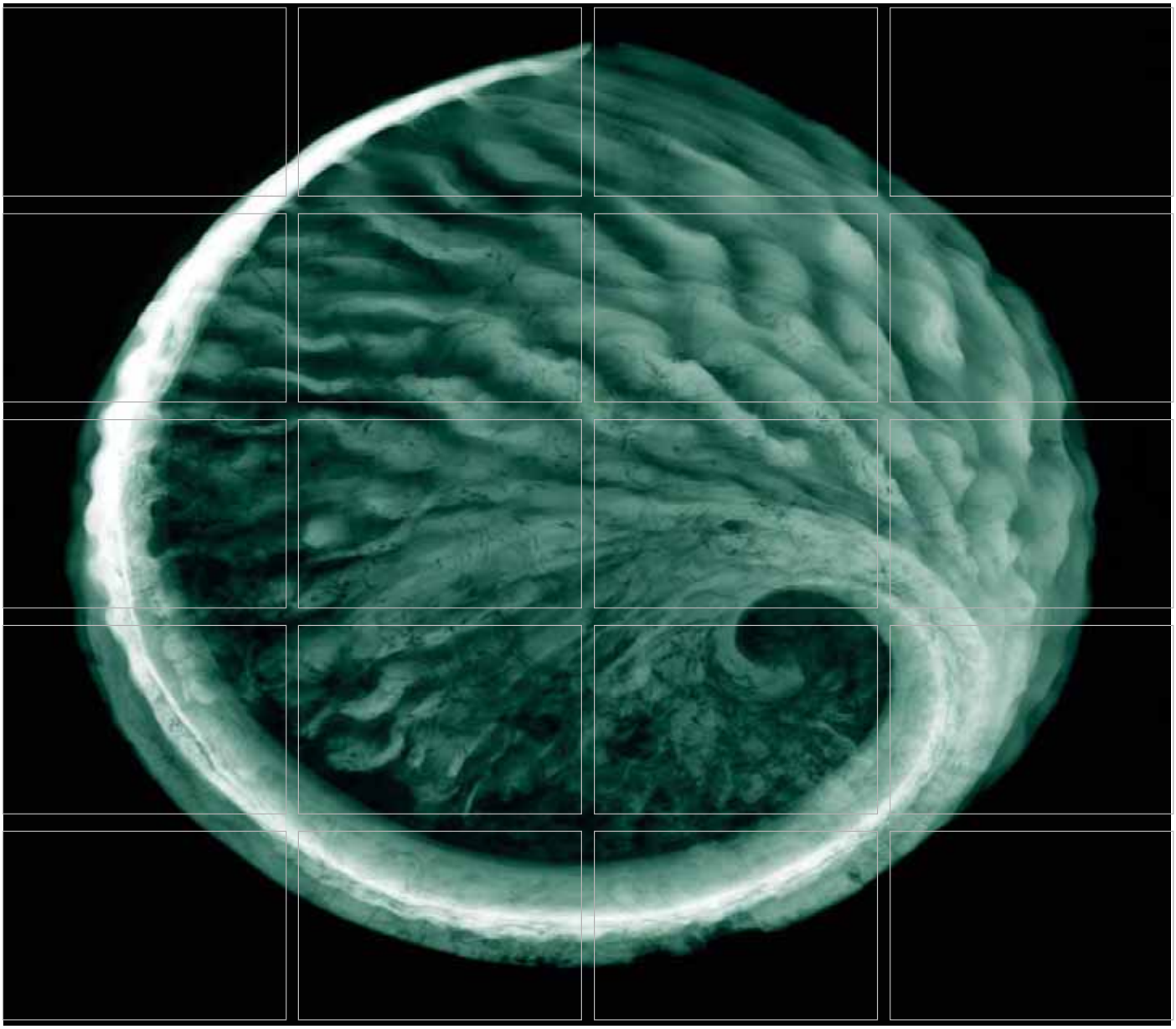

Permanent Aviation Fuel Facility (EP-262/2007/A)

Final Baseline Monitoring Report

12th February 2008

Environmental Resources Management
21/F Lincoln House
Taikoo Place, 979 King's Road
Island East, Hong Kong
Telephone 2271 3000
Facsimile 2723 5660

www.erm.com

Permanent Aviation Fuel Facility (EP-262/2007)
Final Baseline Monitoring Report

12th February 2008

Prepared by: Karen Lui/Bill Tsang/Craig A Reid

Document Code: 0018105_WQ Monitoring Report_Feb08_v0.doc

For and on behalf of
Environmental Resources Management

Approved by: Craig A Reid

Signed:

Position: Environmental Team Leader

Date: 12th February 2008

香港 AIRPORT
機場管理局 AUTHORITY HONG KONG

Permanent Aviation Fuel Facility for Hong Kong International Airport

Environmental Certification Sheet
EP-262/2007/A

Reference Document/Plan

Document/~~Plan~~ to be ~~Certified~~/ Verified:	Final Baseline Monitoring Report
Date of Report:	12th February 2008
Date received by ET:	12th February 2008
Date received by IEC:	12th February 2008

Reference EP Condition

Environmental Permit Condition: Condition No.: 5.2

Content: *EM&A for the Project*

5.2 Four hard copies and one electronic copy of the Baseline Monitoring Report for the Project shall be submitted to the Director at least 2 weeks before commencement of construction of the sub-sea pipelines of the Project. The submissions shall be certified by the ET Leader and verified by the IEC before submission to the Director. Additional copies of the submission shall be provided upon request by the Director.

ET Certification

I hereby certify that the above referenced document/~~plan~~ complies with the above referenced condition of EP-262/2007/A

Craig A Reid, Environmental Team Leader:  Date: 12th February 2008

IEC Verification

I hereby verify that the above referenced document/~~plan~~ complies with the above referenced condition of EP-262/2007/A

Dr Guiyi Li, Independent Environmental Checker:  Date: 18/2/2008

Notes: EP-262/2007/A has replaced the former EP-262/2007 and EP-139-2002/A for the PAFF project after the resubmission of revised EM&A Manual and revised EIA Report respectively.

CONTENTS

LIST OF TABLES

LIST OF ANNEXES

EXECUTIVE SUMMARY

ERM-Hong Kong, Limited (ERM) was appointed by Leighton Contractors (Asia) Limited to undertake baseline water quality monitoring prior to the commencement of construction works for Permanent Aviation Fuel Facility (PAFF) (EIAO Register Number *AEIAR-107/2007*).

This Baseline Monitoring Report has been prepared in compliance with the Environmental Permit (*EP-262/2007*) and Environmental Monitoring and Audit Manual for Permanent Aviation Fuel Facility (the 'Project').

Baseline water quality monitoring was conducted between 24 October and 30 October 2007 at six designated monitoring stations (three impact stations and three control stations) established for the Project. The in situ measurement of water quality was recorded on a daily basis while POPs monitoring was carried out every other day, at mid-flood and mid-ebb tides, at three depths (surface, middle and bottom), for 1 week prior to the commencement of construction works. No major activities in relation to the Project were undertaken during baseline monitoring. Water quality monitoring results are, therefore, considered to be representative of the baseline conditions for the Project.

The baseline monitoring results were used to determine the Action and Limit Levels for the DO, SS, turbidity and POPs determinants for impact monitoring to be conducted throughout construction phase of the Project.

1 WATER QUALITY MONITORING

1.1 BACKGROUND TO THE STUDY

A Permanent Aviation Fuel Facility (PAFF) is required to ensure a secure means to supply aviation fuel during the operational lifetime of the Hong Kong International Airport (HKIA). The PAFF will replace the existing temporary Aviation Fuel Receiving Facility (AFRF) adjacent to Sha Chau, as the existing facility does not have sufficient capacity. The PAFF must meet the capacity demand for the 2040 planning horizon of the airport and must be able to provide for strategic storage. The Airport Authority Hong Kong (AAHK) is committed to provide a replacement facility, after which the Sha Chau facility will be used for emergency backup purposes only.

The potential environmental impacts of the Project have been studied in the Environmental Impact Assessment (EIA) Report *"Permanent Aviation Fuel Facility for Hong Kong International Airport"* (*EIAO Register No: AEIAR-062-2002*). The EIA was approved with conditions on 2 August 2002 under the *Environmental Impact Assessment Ordinance (EIAO)*. An Environmental Permit (*EP-139/2002*) associated with the construction works was also granted on 28 August 2002. An Application for Variation to the Environmental Permit (VEP) (*VEP-133/2004*) was submitted to the Director of Environmental Protection (DEP) on 28th January 2004 and the amended EP (*EP-139/2002/A*) was granted by DEP on 24 February 2004. Following the above, an updated EIA (*EIAO Register Number AEIAR-107/2007*) was submitted in 2007 and the Environmental Permit (*EP-262/2007*) was granted in May 2007.

ERM-Hong Kong, Ltd (ERM) has been commissioned by Leighton Contractors (Asia) Limited (LCAL) to act as the Environmental Team for the project and implement an environmental monitoring and auditing (EM&A) programme during construction works.

1.2 PURPOSE OF THIS REPORT

In accordance with the recommendations of the Environmental Impact Assessment (EIA) and conditions of approval from Country and Marine Parks Authority (CMPA), water quality monitoring is required when construction works are being undertaken within 1,000m of the Lung Kwu Chau and Sha Chau Marine Park and for dredging along the entire pipeline. Prior to this construction phase monitoring, baseline water quality monitoring will be required to examine existing conditions prior to the commencement of works. This report presents the results of the baseline water quality monitoring.

1.3 STRUCTURE OF THE DOCUMENT

Following this introductory sections, the remainder of the report is presented as follows:

- *Section 2* presents the methodology for the baseline water quality monitoring;
- *Section 3* presents the results of the baseline water quality monitoring including the Action Limit Levels recommended for the water quality monitoring to be undertaken during construction activities; and,
- *Section 4* presents the summary and conclusions.

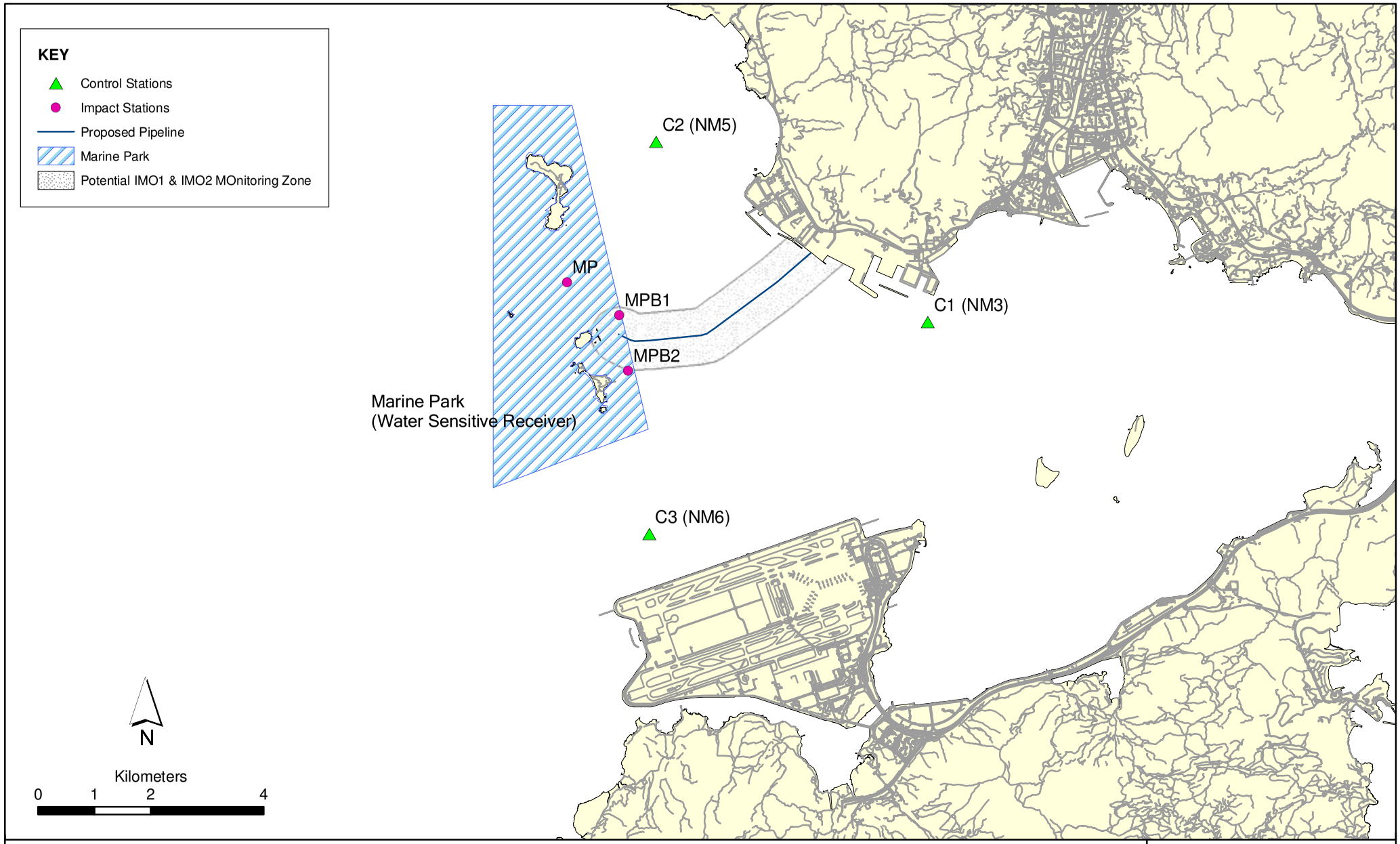

Figure 1.1

Water Sensitive Receiver and Water Quality Monitoring Locations

File: 0018105_4.mxd
Date: 23/01/2006

Environmental Resources Management

ERM

2 METHODOLOGY

2.1 INTRODUCTION

This *Section* presents the methodology used in the baseline water quality monitoring for the PAFF.

2.2 MONITORING LOCATIONS

Water quality monitoring was conducted in accordance with the Environmental Monitoring and Audit (EM&A) Manual. Monitoring locations are shown in *Figure 1.1* and detailed in *Table 1.1*.

Table 1.1 Location of Marine Water Quality Monitoring Stations

Monitoring Station Identification	Type	Location	Northing	Easting
MPB1	Impact	Northeast Sha Chau	824172	807060
MPB2	Impact	East Sha Chau	823184	807212
MP	Impact	North Sha Chau	824753	806140
C1 (NM3)	Control	South Tuen Mun	824049	812527
C2 (NM5)	Control	East Lung Kwu Chau	827245	807707
C3 (NM6)	Control	North Airport	820288	807584

Control stations were selected to be within the same body of water as the impact monitoring stations but outside the area of influence of the works and, as far as practicable, not expected to be affected by any other works. Control stations were located at the same co-ordinates as EPD's routine monitoring stations NM3, NM5 and NM6. This will facilitate reference with a substantial volume of baseline data should this later be found necessary.

Impact stations MPB1 and MPB2 were selected at positions on the Marine Park boundary 500m from the nearest expected dredging point to assess any potential impacts that may be caused by the works. An additional impact station, MP was located within the main body of the Marine Park at a point approximately equidistant between the East Sha Chau Island cluster and Lung Kwu Chau.

2.3 MONITORING PARAMETERS AND EQUIPMENT

Monitoring parameters and equipment were in accordance with the requirement stated in *EM&A Manual*. Details are presented below.

2.3.1 *Monitoring Parameters*

Parameters measured *in situ* were:

- dissolved oxygen (DO) (% saturation and mg L^{-1});
- temperature (°C);
- turbidity (NTU); and
- salinity (ppt).

Parameters measured in the laboratory were:

- suspended solids (SS) (mgL^{-1})
- Persistent Organic Pollutants (POPs) including polychlorinated aromatic hydrocarbons (PAHs), polyholorinated biphenyls (PCBs) and dichloro-diphenyl-trichloroethane (DDT)

In addition to the water quality parameters, other relevant data were measured and recorded in field logs, including the location of the sampling stations, water depth, time, weather conditions, sea conditions, tidal state, special phenomena and work activities undertaken around the monitoring and works area should the results have indicated that these events may have influenced the monitoring results.

2.3.2 *Monitoring Equipment*

Dissolved Oxygen, Temperature, Salinity, Turbidity Measuring Equipment

The instrument was a portable, weatherproof multi-parameter measuring instrument (YSI 6820) complete with cables, multi-probe sensor, comprehensive operation manuals, and was operable from a DC power source. It was capable of measuring:

- dissolved oxygen levels in the range of 0 – 50 mg L^{-1}; and 0-500% saturation;
- temperature of -5 to 50 °C;
- turbidity levels between 0-1000 NTU (response of the sensor was checked with certified standard turbidity solutions before the start of measurement); and,
- salinity in the range of 0-40 ppt (checked with 30 ppt Salinity solutions before the start of the measurement).

Water Sampling Equipment

Water samples for suspended solids measurement have been collected by a water sampler comprising a transparent PVC cylinder with a capacity of not

less than 2 litres (Kahlsico Brand, 135WB150), and which is effectively sealed with latex cups at both ends. The sampler has a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth; and,

Water samples for suspended solids measurement were collected in high density polythene bottles, packed in ice (cooled to 4^0C without being frozen) and delivered to the laboratory as soon as possible after collection.

Water Depth Gauge

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station (Eagle Brand, Cuda 168)

pH Measuring Equipment

A portable pH meter (Orion Brand, 230A Model & YSI Brand, Model 6820) capable of measuring a range between 0.0 and 14.0 shall be provided to measure pH under the specified conditions

Positioning Device

A differential Global Positioning System (DGPS) was used during monitoring to ensure the monitoring vessel was at the correct location before taking measurements.

Protocol

All *in-situ* monitoring instrument was checked, calibrated and certified by the Contractor before use (*Annex B*). Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for the DO meter was carried out before measurement at each monitoring location. For the on site calibration of field equipment, the *BS 1427:1993, "Guide to Field and on-site test methods for the analysis of waters"* was followed.

Sufficient stocks of spare parts were maintained for replacements when necessary and back-up monitoring equipment was also available

2.4 *MONITORING FREQUENCY AND METHODOLOGY*

2.4.1 *Monitoring Frequency*

Timing & Frequency

In-situ measurements of water quality were recorded in duplicate at all designated monitoring stations (impact (MPB1, MPB2 and MP) and control stations (C1, C2 and C3)) on a daily basis on both flood and ebb tides between 24 October and 30 October 2007. The monitoring schedule is presented in *Annex A*.

For POPs monitoring, water samples were collected in duplicate at all designated monitoring stations (impact (MPB1, MPB2 and MP) and control stations (C1, C2 and C3)) on both flood and ebb tides on 24 October, 26 October, 28 October and 30 October 2007.

Depth

Duplicate measurements and samples were taken at 3 water depths, namely, 1m below water surface, mid-depth and 1m above sea bed.

Laboratory Measurement and Analysis

Analysis of suspended solids was carried out by an HOKLAS accredited laboratory. Water samples of about 500ml were collected at the monitoring stations for carrying out the laboratory SS and POPs determination. The SS determination work started within 24 hours after collection of the water samples.

For SS analysis, the Quality Assurance / Quality Control (QA/QC) details were in accordance with requirements of HOKLAS or another internationally accredited scheme (details refer to *Annex C).*

For POPs analysis, each parameter will be analysed by combining samples of three depths into one mixed, composite sample. The Quality Assurance / Quality Control (QA/QC) details were in accordance with requirements of HOKLAS or another internationally accredited scheme (details refer to *Annex E*).

The limits of detection for the *in-situ* and laboratory measurements that were obtained are shown in *Tables 1.2 and 1.3.*

Table 2.2 Detection Limits and Precision of Water Quality

Determinant	Detection Limit	Precision
Dissolved Oxygen	0.1 mg/L	1%
Salinity	0.01 ppt	1%
Temperature	0.1 degree Celsius	1%
pH	0.01 units	1%
Turbidity (NTU)	0.1 NTU	1%
Suspended Solids	1 mg/L	2%

Table 2.3 Detection Limits of POPs Determinants

Determinants	Detection Limit
PAHs	0.10 ug/L (individual)
PCBs	0.01 ug/L (individual)
DDT	0.01 ug/L

3 BASELINE MONITORING RESULTS

3.1 INTRODUCTION

This *Section* presents the results of the baseline water quality monitoring for the PAFF.

3.2 RESULTS

Water Quality Results

The monitoring data and graphical presentations are summarised in *Annex D*. No major activities influencing the water quality were identified during the monitoring period.

No major trends were noted from the results, however, baseline levels of SS and Turbidity at Impact Stations (MP, MPB1 and MPB2) did appear to be more variable and higher than those of Control Stations (C1, C2 and C3).

Some data were also recorded during the monitoring which suggested the presence of natural fluctuation in the area. For example, on 27 October 2007, levels of SS and Turbidity at MPB1 were comparatively high at all depths (surface, middle and bottom) than those recorded on other dates. The fluctuating SS and Turbidity levels are, however, considered to be not uncommon in the Northwestern Waters of Hong Kong due to its proximity to the Pearl River Estuary.

3.3 ACTION AND LIMIT LEVEL

Section 15.4.2 of the approved EIA report and *Section 6.2.7* of the *EM&A Manual* listed the Action and Limit Levels of Water Quality. These Action and Limit Levels were determined based on the EPD's long term monitoring data collected between 1998 and 2004, and are hence not updated. *Table 3.1* below summarises the Action and Limit Levels proposed in the EIA Report and *EM&A Manual*.

Table 3.1 Action and Limit Level of Water Quality listed in EIA Report and EM&A Manual (taken from EPD Data 1998 - 2004)

Parameters	Action	Limit
Water Quality		
DO in mg/L	Depth-averaged 4.5 mg/l and upstream control stations' mean DO (at the same tide of the same day) Bottom Only 2.5 mg/l and	Depth-averaged 4.0 mg/l and upstream control stations' mean DO (at the same tide of the same day) Bottom Only 2.0 mg/l and

Parameters	Action	Limit
	upstream control stations' mean DO (at the same tide of the same day)	upstream control stations' mean DO (at the same tide of the same day)
Suspended Solids in mg/L (Depth-averaged)	30 mg/l and 130% of upstream control stations' mean SS (at the same tide of the same day)	39 mg/l and 130% of upstream control stations' mean SS (at the same tide of the same day)
Turbidity in NTU (Depth-averaged)	130% of upstream control stations' mean Turbidity (at the same tide of the same day)	N/A

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- All the figures given in the table are for reference only and these may be amended with the agreement of DEP.
- "Depth-averaged" is calculated by taking the arithmetic mean of the *in-situ* parameters readings at all three depths. For suspended solids "depth averaged" is calculated by combining all three samples into one mixed sample which is analysed to produce a physical arithmetic mean.

Action and Limit Levels for DO and SS have been established taking into consideration both the baseline data as well as EPD's data, updated to represent data collected between 1998 and 2006. Action and Limit Levels for Turbidity have also been established through the above means. This approach, which varies from that presented in the Draft EM&A Manual approved under *EP-262/2007*, has been revised following repeated exceedances of the Action Level during early impact monitoring. As analysis of the data concluded that these exceedances were not attributable to ongoing dredging works, as reported in the Notification of Exceedances (see *Annex I*), it was considered more appropriate to have a consistent approach throughout the data analysis that would allow for natural fluctuations within the marine waters to be taken into consideration. *Table 3.2* below presents the results for the calculation of Action and Limit Levels for DO, SS and Turbidity.

Table 3.1 ***Levels of Dissolved Oxygen and Suspended Solids determined based on data obtained from updated EPD and Baseline Monitoring conducted for PAFF***

Parameters	Data obtained from Baseline Monitoring Data at 6 Locations		Data obtained from EPD long-term routine monitoring (1998 - 2006)		Combination of Both Data Sets	
Dissolved Oxygen (mg/L)	5%-ile of data	1%-ile of data	5%-ile of data	1%-ile of data	5%-ile of data	1%-ile of data
Depth-averaged	5.2	5.0	4.1	3.4	4.2	3.6
Bottom	5.2	5.0	3.1	2.4	3.3	2.5
Suspended Solids (mg/L)	95%-ile of data	99%-ile of data	95%-ile of data	99%-ile of data	95%-ile of data	99%-ile of data
Depth-averaged	21	37	26	36	24	37
Turbidity (NTU)	95%-ile of data	99%-ile of data	95%-ile of data	99%-ile of data	95%-ile of data	99%-ile of data
Depth-averaged	29	44	28	48	29	49

Based on the results above, the proposed Action and Limit Levels for construction phase monitoring of water quality for DO, SS and Turbidity are summarised in *Table 3.3*. According to the Water Quality Objectives (WQO), level of depth-averaged DO is set as 4 mg/L in Hong Kong waters. With this connection, the limit level of depth-averaged DO is proposed to be 4 mg/L for this Project in order to give a conservative basis.

Table 3.3 ***Proposed Action and Limit Levels of Water Quality***

Parameters	Action	Limit
Water Quality		
DO in mg/L	Depth-averaged 4.2 mg/l and upstream control stations' mean DO (at the same tide of the same day) Bottom Only 3.3 mg/l and upstream control stations' mean DO (at the same tide of the same day)	Depth-averaged 4.0 mg/l and upstream control stations' mean DO (at the same tide of the same day) Bottom Only 2.5 mg/l and upstream control stations' mean DO (at the same tide of the same day)
Suspended Solids in mg/L (Depth-averaged)	24 mg/l and 130% of upstream control stations' mean SS (at the same tide of the same day)	37 mg/l and 130% of upstream control stations' mean SS (at the same tide of the same day)
Turbidity in NTU (Depth-averaged)	29 NTU and 130% of upstream control stations' mean Turbidity (at the same tide of the same day)	49 NTU and 130% of upstream control stations' mean Turbidity (at the same tide of the same day)

Parameters	Action	Limit

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- All the figures given in the table are for reference only and these may be amended with the agreement of DEP.
- "Depth-averaged" is calculated by taking the arithmetic mean of the *in-situ* parameters readings at all three depths. For suspended solids "depth averaged" is calculated by combining all three samples into one mixed sample which is analysed to produce a physical arithmetic mean.

3.3.2 Persistent Organic Pollutants

All levels of POPs determinants (i.e. PAH, PCB and DDT) were below detection limit except the levels of individual PAH (Anthracene, Fluorene Phenanthrene) at Station C3 during mid-flood tide on 30 October 2007 (*Annex F*). Those above-detection-limit data were considered as isolated case and were not representative to contribute to the background levels. The Action Limit levels for POP monitoring are summarised in *Table 3.4*.

Table 3.4 Proposed Action and Limit Levels of POP determinants

Parameters	Action	Limit
POP determinants		
Total PCBs in µg/L (Depth-averaged)	0.2 µg/L	130% of upstream control stations' mean Total PCBs (at the same tide of the same day)
Total PAHs in µg/L (Depth-averaged)	2.25 µg/L	130% of upstream control stations' mean Total PAHs (at the same tide of the same day)
Total DDTs in µg/L (Depth-averaged)	0.03 µg/L	130% of upstream control stations' mean DDT (at the same tide of the same day)

Notes:

- All the figures given in the table are for reference only and these may be amended with the agreement of DEP.
- "Depth-averaged" is calculated by taking the arithmetic mean of the POPs parameters readings at all three depths.

4 SUMMARY AND CONCLUSION

Baseline water quality monitoring was conducted between 24 October and 30 October 2007 at six designated monitoring stations (three impact stations and three control stations) established for the Project. *In situ* measurements of water quality was recorded on a daily basis while POPs monitoring was carried out every other day, at mid-flood and mid-ebb tides, at three depths (surface, middle and bottom), for 1 week prior to the commencement of construction works. No major marine construction activities in relation to the Project were undertaken during baseline monitoring. Water quality monitoring results are, therefore, considered to be representative of the baseline conditions for the Project.

The baseline monitoring results were used to determine the Action and Limit Levels for the DO, SS, turbidity and POPs determinants for impact monitoring to be conducted throughout construction phase of the Project.

Annex A

Baseline Monitoring Schedule

Permanent Aviation Fuel Facility
Baseline Water Quality Monitoring Schedule - October 2007

Reference Tidal Station: Lok On Pai (source: HK Observatory Department)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct
07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct
14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct
21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct
			Mid-Ebb 11:12 Mid-Flood 17:35	Mid-Ebb 11:57 Mid-Flood 18:02	Mid-Ebb 12:41 Mid-Flood 18:31	Mid-Ebb 13:25 Mid-Flood 19:02
28-Oct	29-Oct	30-Oct	31-Oct			
Mid-Ebb 14:12 Mid-Flood 19:34	Mid-Flood 09:43 Mid-Ebb 14:58	Mid-Ebb 09:43 Mid-Flood 14:58				

The schedule is subject to agreement from the EPD on the monitoring times. The schedule will be revised after reviewing the progress of the construction works or due to adverse (safety, weather etc) conditions.

Annex B

Calibration Reports for *In situ* Measuring Equipment

CERTIFICATE OF ANALYSIS

Batch: HK0714478
Sub Batch : 0
Date of Issue: 15/10/2007
Client: ENSR ASIA (HK) LTD
Client Reference:

Calibration of Tubidimeter

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 00013244

Equipment No. : W.026.29

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

Date of Calibration : 09 October, 2007

Testing Results :

Expected Reading	Recording Reading
0.0 NTU	0.0 NTU
4.0 NTU	4.3 NTU
10.0 NTU	9.7 NTU
20.0 NTU	18.5 NTU
50.0 NTU	48.4 NTU
100 NTU	90.8 NTU
Allowing Deviation	±10%

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0714478
Sub Batch : 0
Date of Issue: 15/10/2007
Client: ENSR ASIA (HK) LTD
Client Reference:

Calibration of Conductivity System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 00013214

Equipment No. : W.026.29

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

Date of Calibration : 09 October, 2007

Testing Results :

Expected Reading	Recording Reading
6667 uS/cm 12890 uS/cm 58670 uS/cm	6688 uS/cm 12060 uS/cm 56670 uS/cm
Allowing Deviation	±10%

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch:	HK0714478
Sub Batch :	0
Date of Issue:	15/10/2007
Client:	ENSR ASIA (HK) LTD
Client Reference:	

Calibration of Salinity System

Item :	YSI SONDE Environmental Monitoring System
Model No. :	6820-C-M
Serial No. :	00013244
Equipment No. :	W.026.29
Calibration Method :	This meter was calibrated in accordance with standard method APHA (19th Ed.) 2520 A and B
Date of Calibration :	09 October, 2007

Testing Results :

Expected Reading	Recording Reading
10.0 g/L 20.0 g/L 30.0 g/L	10.1 g/L 21.7 g/L 31.8 g/L
Allowing Deviation	±10%

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0714478
Sub Batch : 0
Date of Issue: 15/10/2007
Client: ENSR ASIA (HK) LTD
Client Reference:

Calibration of Thermometer

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 00013244

Equipment No. : W.026.29

Calibration Method : In-house Method

Date of Calibration : 09 October, 2007

Testing Results :

Reference Temperature (°C)	Recorded Temperature (°C)
32.8 °C 24.0 °C	33.4 °C 23.7 °C
Allowing Deviation	±2.0°C

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0714478
Sub Batch : 0
Date of Issue: 15/10/2007
Client: ENSR ASIA (HK) LTD
Client Reference:

Calibration of DO System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 00013244

Equipment No. : W.026.29

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

Date of Calibration : 09 October, 2007

Testing Results :

Expected Reading	Recording Reading
7.86 mg/L	8.02 mg/L
5.41 mg/L	5.47 mg/L
3.67 mg/L	3.80 mg/L
Allowing Deviation	±0.2 mg/L

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0715384
Sub Batch : 0
Date of Issue: 29/10/2007
Client: ENSR ASIA (HK) LTD
Client Reference:

Calibration of pH System

Item : YSI SONDE Environmental Monitoring System

Model No. : 6820-C-M

Serial No. : 00013244

Equipment No. : W.026.29

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

Date of Calibration : 09 October, 2007

Testing Results :

Expected Reading	Recording Reading
4.00	4.02
7.00	7.10
10.0	9.95
Allowing Deviation	± 0.2

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

CERTIFICATE OF ANALYSIS

Batch: HK0711865
Date of Issue: 24/08/2007
Client: ENSR ASIA (HK) LTD
Client Reference:

Calibration of pH System

Item : ORION pH Meter

Model No. : Orion 230A

Serial No. : 20739

Equipment No. : W-039-05

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

Date of Calibration : 23 August, 2007

Testing Results :

Expected Reading	Recording Reading
4.00	3.93
7.00	7.02
10.0	9.87
Allowing Deviation	± 0.2

Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

Annex C

QA/QC Results for Suspended Solids Testing

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715313		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 24 Oct 2007		
Order number	: ----			Date of issue	: 30 Oct 2007		
C-O-C number	: ----			No. of samples	- Received	:	70
Site	: ----				- Analysed	:	70

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715313 supersedes any previous reports with this reference. The completion date of analysis is 26 Oct 2007. 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 HK0715313 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient 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**

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 520911)								
HK0715313-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
HK0715313-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	12	12	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 520912)								
HK0715313-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	8	10	25.9
HK0715313-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	6	5	24.2
EA/ED: Physical and Aggregate Properties (QC Lot: 520913)								
HK0715313-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	9	10	0.0
HK0715313-053	MP B MF	EA025: Suspended Solids (SS)	----	1	mg/L	11	12	9.0
EA/ED: Physical and Aggregate Properties (QC Lot: 520914)								
HK0715313-063	C2(NM5) M MF	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 520911)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	88.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 520912)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 520913)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	92.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 520914)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	97.5	----	85	115	----	----

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715319		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 25 Oct 2007		
Order number	: ----			Date of issue	: 31 Oct 2007		
C-O-C number	: ----			No. of samples	- Received	:	70
Site	: ----				- Analysed	:	70

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715319 supersedes any previous reports with this reference. The completion date of analysis is 29 Oct 2007. 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 HK0715319 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
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.

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

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 521264)								
HK0715319-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	11	10	14.1
HK0715319-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	12	13	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 521265)								
HK0715319-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
HK0715319-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	9	10	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 521266)								
HK0715319-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	16	16	0.0
HK0715319-053	MP B MF	EA025: Suspended Solids (SS)	----	1	mg/L	14	15	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 521267)								
HK0715319-063	C2(NM5) M MF	EA025: Suspended Solids (SS)	----	1	mg/L	13	15	8.4

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 521264)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 521265)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 521266)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 521267)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715321		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 26 Oct 2007		
Order number	: ----			Date of issue	: 31 Oct 2007		
C-O-C number	: ----			No. of samples	- Received	:	70
Site	: ----				- Analysed	:	70

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715321 supersedes any previous reports with this reference. The completion date of analysis is 30 Oct 2007. 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 HK0715321 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient condition.
Water sample(s) analysed and reported on an as received basis.

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

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 522411)								
HK0715321-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	12	12	0.0
HK0715321-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	14	15	12.4
EA/ED: Physical and Aggregate Properties (QC Lot: 522412)								
HK0715321-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	10	10	9.9
HK0715321-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	16	15	9.4
EA/ED: Physical and Aggregate Properties (QC Lot: 522413)								
HK0715321-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	21	22	6.6
HK0715321-053	MP B MF	EA025: Suspended Solids (SS)	----	1	mg/L	8	6	20.4
EA/ED: Physical and Aggregate Properties (QC Lot: 522414)								
HK0715321-063	C2(NM5) M MF	EA025: Suspended Solids (SS)	----	1	mg/L	10	10	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 522411)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	92.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522412)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522413)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522414)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715323		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 27 Oct 2007		
Order number	: ----			Date of issue	: 31 Oct 2007		
C-O-C number	: ----			No. of samples	- Received	:	72
Site	: ----				- Analysed	:	72

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715323 supersedes any previous reports with this reference. The completion date of analysis is 30 Oct 2007. 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 HK0715323 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
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.

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

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 522971)								
HK0715323-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	11	11	0.0
HK0715323-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	53	54	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 522972)								
HK0715323-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	9	8	0.0
HK0715323-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	9	10	11.8
EA/ED: Physical and Aggregate Properties (QC Lot: 522973)								
HK0715323-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	66	62	5.2
HK0715323-051	MP M MF	EA025: Suspended Solids (SS)	----	1	mg/L	14	15	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 522974)								
HK0715323-061	C2(NM5) S MF	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
HK0715323-071	C3(NM6) B MF	EA025: Suspended Solids (SS)	----	1	mg/L	13	13	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 522971)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	90.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522972)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	104	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522973)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522974)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	93.5	----	85	115	----	----

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715325		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 28 Oct 2007		
Order number	: ----			Date of issue	: 31 Oct 2007		
C-O-C number	: ----			No. of samples	- Received	:	70
Site	: ----				- Analysed	:	70

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715325 supersedes any previous reports with this reference. The completion date of analysis is 30 Oct 2007. 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 HK0715325 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
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.

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

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 522977)								
HK0715325-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	16	14	14.0
HK0715325-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	9	9	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 522978)								
HK0715325-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	12	13	0.0
HK0715325-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 522979)								
HK0715325-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	16	18	8.4
HK0715325-053	MP B MF	EA025: Suspended Solids (SS)	----	1	mg/L	24	22	7.6
EA/ED: Physical and Aggregate Properties (QC Lot: 522980)								
HK0715325-063	C2(NM5) M MF	EA025: Suspended Solids (SS)	----	1	mg/L	22	23	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 522977)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	110	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522978)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	106	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522979)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 522980)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	89.0	----	85	115	----	----

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715327		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 29 Oct 2007		
Order number	: ----			Date of issue	: 1 Nov 2007		
C-O-C number	: ----			No. of samples	- Received	:	70
Site	: ----				- Analysed	:	70

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715327 supersedes any previous reports with this reference. The completion date of analysis is 31 Oct 2007. 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 HK0715327 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
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**

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 523358)								
HK0715327-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
HK0715327-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	10	10	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 523359)								
HK0715327-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
HK0715327-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	5	6	29.0
EA/ED: Physical and Aggregate Properties (QC Lot: 523360)								
HK0715327-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	16	15	0.0
HK0715327-053	MP B MF	EA025: Suspended Solids (SS)	----	1	mg/L	23	22	5.2
EA/ED: Physical and Aggregate Properties (QC Lot: 523361)								
HK0715327-063	C2(NM5) M MF	EA025: Suspended Solids (SS)	----	1	mg/L	10	11	14.2

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 523358)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	91.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 523359)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	94.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 523360)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	93.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 523361)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	90.5	----	85	115	----	----

CERTIFICATE OF ANALYSIS

Client	: ERM HONG KONG	Laboratory	: ALS Technichem (HK) Pty Ltd	Page	: 1 of 4		
Contact	: MR BILL TSANG	Contact	: Alice Wong	Work Order	: HK0715329		
Address	: 21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG				
E-mail	: Bill.Tsang@erm.com	E-mail	: Alice.Wong@alsenviro.com				
Telephone	: 2271 3171	Telephone	: +852 2610 1044				
Facsimile	: 2723 5660	Facsimile	: +852 2610 2021				
Project	: ----	Quote number	: ----	Date received	: 30 Oct 2007		
Order number	: ----			Date of issue	: 2 Nov 2007		
C-O-C number	: ----			No. of samples	- Received	:	68
Site	: ----				- Analysed	:	68

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715329 supersedes any previous reports with this reference. The completion date of analysis is 31 Oct 2007. 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 HK0715329 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
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**

Quality Control - Laboratory Duplicate (DUP) Results

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 524265)								
HK0715329-001	MPB1 S ME	EA025: Suspended Solids (SS)	----	1	mg/L	15	12	22.0
HK0715329-011	MPB2 B ME	EA025: Suspended Solids (SS)	----	1	mg/L	12	14	14.5
EA/ED: Physical and Aggregate Properties (QC Lot: 524266)								
HK0715329-021	C1(NM3) M ME	EA025: Suspended Solids (SS)	----	1	mg/L	10	10	0.0
HK0715329-031	C3(NM6) S ME	EA025: Suspended Solids (SS)	----	1	mg/L	11	11	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 524267)								
HK0715329-041	MPB1 B MF	EA025: Suspended Solids (SS)	----	1	mg/L	21	21	0.0
HK0715329-053	MP B MF	EA025: Suspended Solids (SS)	----	1	mg/L	11	12	11.6
EA/ED: Physical and Aggregate Properties (QC Lot: 524268)								
HK0715329-066	C2(NM5) B DUP MF	EA025: Suspended Solids (SS)	----	1	mg/L	11	10	16.3

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 524265)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	97.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 524266)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 524267)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 524268)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	95.0	----	85	115	----	----

Annex D

Baseline Water Quality Monitoring Results

Annex D1 - Water Quality Monitoring Results at C1 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	10:33	Surface	1.0	26.3 26.4	26.3	7.8 7.8	7.8	35.7 35.8	35.8	86.2 88.2	87.2	5.7 5.8	5.8	5.7	3.4 3.3	3.4	8.8
				Middle	8.3	26.3 26.3	26.3	7.8 7.9	7.8	36.2 35.9	36.1	85.0 85.2	85.1	5.6 5.6	5.6		7.5 7.6	7.6	
				Bottom	15.5	26.3 26.3	26.3	7.9 7.8	7.9	35.8 36.2	36.0	85.0 85.0	85.0	5.6 5.6	5.6	5.6	15.9 15.1	15.5	
25/10/2007	Sunny	Moderate	10:44	Surface	1.0	26.7 26.7	26.7	7.9 7.9	7.9	40.3 39.3	39.8	91.4 94.6	93.0	5.8 6.1	6.0	5.8	3.9 3.8	3.9	6.8
				Middle	8.2	26.7 26.7	26.7	7.9 7.9	7.9	39.6 40.9	40.2	89.6 89.8	89.7	5.8 5.7	5.7		5.3 5.0	5.2	
				Bottom	15.4	26.7 26.7	26.7	7.9 7.9	7.9	41.7 39.8	40.7	87.6 88.5	88.1	5.6 5.7	5.6	5.6	11.9 11.1	11.5	
26/10/2007	Sunny	Moderate	12:29	Surface	1.0	27.8 27.5	27.6	7.9 7.9	7.9	39.7 40.1	39.9	95.7 96.8	96.3	6.0 6.1	6.1	6.0	4.1 4.0	4.1	9.4
				Middle	7.9	27.0 26.7	26.8	7.9 7.9	7.9	39.9 40.5	40.2	91.0 93.0	92.0	5.8 5.9	5.9		6.5 6.2	6.4	
				Bottom	14.9	26.7 26.7	26.7	7.9 7.9	7.9	40.7 41.1	40.9	91.6 90.6	91.1	5.8 5.8	5.8	5.8	17.5 17.8	17.7	
27/10/2007	Sunny	Moderate	13:42	Surface	1.0	27.0 27.1	27.0	8.0 8.1	8.0	40.5 40.6	40.6	90.1 89.5	89.8	5.7 5.7	5.7	5.7	7.0 6.9	7.0	10.0
				Middle	8.4	27.0 27.0	27.0	8.0 8.0	8.0	41.1 40.9	41.0	88.3 88.6	88.5	5.6 5.6	5.6		11.7 11.6	11.7	
				Bottom	15.9	27.0 26.9	26.9	8.0 8.0	8.0	41.2 41.1	41.1	90.2 89.9	90.1	5.7 5.7	5.7	5.7	11.2 11.6	11.4	
28/10/2007	Sunny	Moderate	14:52	Surface	1.0	27.2 27.3	27.3	8.1 8.1	8.1	41.7 41.1	41.4	91.5 90.9	91.2	5.8 5.7	5.7	5.8	9.0 8.9	9.0	17.8
				Middle	8.8	26.2 27.1	26.6	8.1 8.1	8.1	43.2 42.7	42.9	92.1 91.3	91.7	5.8 5.7	5.8		18.3 18.7	18.5	
				Bottom	16.5	27.1 27.2	27.1	8.1 8.1	8.1	42.6 42.0	42.3	92.8 91.5	92.2	5.8 5.7	5.8	5.8	25.8 26.3	26.1	
29/10/2007	Sunny	Moderate	15:05	Surface	1.0	27.4 27.4	27.4	8.1 8.1	8.1	42.9 42.6	42.7	90.9 91.1	91.0	5.7 5.7	5.7	5.6	5.4 5.8	5.6	6.5
				Middle	8.0	27.8 27.3	27.5	8.1 8.1	8.1	42.0 42.7	42.3	89.4 89.9	89.7	5.6 5.6	5.6		7.0 6.9	7.0	
				Bottom	14.9	25.9 27.7	26.8	8.1 8.1	8.1	43.7 42.3	43.0	93.8 92.6	93.2	6.0 5.8	5.9	5.9	6.9 7.1	7.0	
30/10/2007	Sunny	Moderate	10:08	Surface	1.0	26.6 25.9	26.3	8.1 8.1	8.1	40.5 41.4	41.0	89.1 89.7	89.4	5.7 5.8	5.7	5.7	9.5 9.7	9.6	18.2
				Middle	8.1	27.1 26.7	26.9	8.1 8.0	8.1	41.4 41.4	41.4	89.6 90.0	89.8	5.7 5.7	5.7		18.0 16.9	17.5	
				Bottom	15.3	27.0 26.7	26.8	8.1 8.1	8.1	42.0 34.1	38.1	89.7 89.8	89.8	5.7 5.9	5.8	5.8	27.9 27.2	27.6	

Remarks: * **DA: Depth-Averaged**

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

Annex D2 -Water Quality Monitoring Results at C1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	17:47	Surface	1.0	26.5 26.5	26.5	8.1 8.1	8.1	38.1 38.0	38.1	87.4 86.8	87.1	5.7 5.6	5.7	5.6	4.9 4.2	4.6	13.1
				Middle	8.2	26.7 26.5	26.6	8.1 8.0	8.1	38.6 38.3	38.4	86.4 85.3	85.9	5.6 5.5	5.6		12.0 12.6	12.3	
				Bottom	15.4	26.7 26.6	26.7	8.1 8.0	8.1	38.7 38.2	38.4	85.9 85.4	85.7	5.5 5.5	5.5	5.5	22.6 22.4	22.5	
25/10/2007	Fine	Moderate	18:35	Surface	1.0	26.8 26.8	26.8	8.0 8.0	8.0	41.3 40.6	40.9	91.7 92.1	91.9	5.8 5.9	5.8	5.8	7.1 7.7	7.4	16.6
				Middle	8.2	26.9 27.0	26.9	8.0 8.0	8.0	41.8 41.4	41.6	92.7 92.7	92.7	5.9 5.9	5.9		14.2 14.1	14.2	
				Bottom	15.4	27.0 26.9	27.0	8.0 8.0	8.0	41.2 41.8	41.5	92.0 92.9	92.5	5.8 5.9	5.8	5.8	28.3 28.2	28.3	
26/10/2007	Fine	Moderate	19:06	Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	40.8 41.0	40.9	97.5 98.4	98.0	6.2 6.2	6.2	6.2	6.5 6.0	6.3	12.4
				Middle	8.1	27.1 27.1	27.1	8.0 8.0	8.0	41.6 41.3	41.4	98.0 96.2	97.1	6.2 6.1	6.1		13.5 13.2	13.4	
				Bottom	15.1	27.1 27.2	27.1	8.0 8.0	8.0	41.7 41.2	41.4	98.2 92.7	95.5	6.2 5.9	6.0	6.0	17.2 17.9	17.6	
27/10/2007	Sunny	Moderate	7:32	Surface	1.0	26.9 27.1	27.0	8.0 8.0	8.0	38.5 38.6	38.6	89.0 88.6	88.8	5.7 5.7	5.7	5.7	15.1 15.0	15.1	20.5
				Middle	9.3	26.8 27.1	26.9	8.0 8.0	8.0	40.0 39.2	39.6	89.5 89.2	89.4	5.7 5.7	5.7		21.0 21.5	21.3	
				Bottom	17.5	26.7 27.1	26.9	8.0 8.0	8.0	41.1 39.4	40.2	90.0 88.8	89.4	5.7 5.7	5.7	5.7	25.1 25.5	25.3	
28/10/2007	Sunny	Moderate	8:16	Surface	1.0	26.3 28.0	27.1	8.0 8.0	8.0	38.6 37.5	38.0	93.2 90.4	91.8	6.1 5.8	5.9	5.9	8.5 8.2	8.4	10.0
				Middle	8.8	28.5 26.8	27.6	8.0 8.0	8.0	35.3 38.0	36.7	90.4 91.2	90.8	5.8 5.9	5.8		9.0 9.2	9.1	
				Bottom	16.7	25.9 26.6	26.2	8.0 8.0	8.0	42.5 39.4	41.0	92.4 92.2	92.3	5.9 5.9	5.9	5.9	12.4 12.4	12.4	
29/10/2007	Sunny	Moderate	8:48	Surface	1.0	27.4 26.8	27.1	8.0 8.0	8.0	37.2 37.4	37.3	86.2 87.9	87.1	5.6 5.7	5.6	5.7	11.9 12.8	12.4	20.4
				Middle	8.5	27.0 26.7	26.9	8.0 8.0	8.0	37.7 37.1	37.4	87.3 88.2	87.8	5.6 5.7	5.7		21.3 21.5	21.4	
				Bottom	15.9	26.6 26.7	26.7	8.0 8.1	8.0	36.3 38.4	37.3	88.3 87.6	88.0	5.8 5.7	5.7	5.7	27.5 27.5	27.5	
30/10/2007	Sunny	Moderate	16:02	Surface	1.0	26.9 26.9	26.9	8.1 8.1	8.1	41.9 42.0	41.9	93.5 92.9	93.2	5.9 5.9	5.9	5.9	6.0 6.0	6.0	6.2
				Middle	7.9	26.9 26.9	26.9	8.1 8.1	8.1	42.3 42.6	42.4	93.6 92.8	93.2	5.9 5.8	5.9		6.6 5.7	6.2	
				Bottom	14.7	26.8 26.8	26.8	8.1 8.1	8.1	42.6 42.2	42.4	93.7 94.8	94.3	5.9 6.0	5.9	5.9	6.1 6.5	6.3	

Remarks: * **DA: Depth-Averaged**

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

Annex D3 - Water Quality Monitoring Results at C2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	11:15	Surface	1.0	26.7 26.7	26.7	8.3 8.4	8.3	35.7 36.4	36.0	88.3 87.7	88.0	5.8 5.7	5.8	5.7	3.0 2.5	2.8	5.7
				Middle	9.4	26.5 26.5	26.5	8.3 8.3	8.3	37.0 36.2	36.6	84.9 86.1	85.5	5.6 5.7	5.6		5.4 5.8	5.6	
				Bottom	17.9	26.6 26.6	26.6	8.4 8.3	8.3	37.5 36.8	37.1	84.7 84.9	84.8	5.5 5.5	5.5	5.5	8.7 8.9	8.8	
25/10/2007	Sunny	Moderate	11:25	Surface	1.0	26.9 27.0	27.0	7.9 7.9	7.9	35.7 36.8	36.3	90.0 90.1	90.1	5.9 5.8	5.9	5.8	3.9 4.1	4.0	9.9
				Middle	10.2	26.8 26.7	26.7	7.9 7.9	7.9	38.4 37.1	37.7	87.1 87.5	87.3	5.6 5.7	5.7		6.0 6.1	6.1	
				Bottom	19.4	26.8 26.9	26.8	7.9 7.9	7.9	37.2 38.7	38.0	86.5 86.8	86.7	5.6 5.6	5.6	5.6	19.2 19.8	19.5	
26/10/2007	Sunny	Moderate	13:31	Surface	1.0	27.7 27.5	27.6	8.0 8.0	8.0	37.5 37.7	37.6	107.4 101.4	104.4	6.9 6.5	6.7	6.2	2.6 2.6	2.6	11.3
				Middle	10.3	27.1 27.0	27.0	7.9 7.9	7.9	40.2 40.5	40.3	88.7 89.1	88.9	5.6 5.7	5.7		12.2 12.5	12.4	
				Bottom	19.6	27.0 27.1	27.0	7.9 7.9	7.9	40.6 40.8	40.7	92.0 88.3	90.2	5.8 5.6	5.7	5.7	18.7 18.9	18.8	
27/10/2007	Sunny	Moderate	13:15	Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	39.4 40.3	39.8	91.0 89.4	90.2	5.8 5.7	5.7	5.7	8.7 8.8	8.8	12.8
				Middle	10.4	27.0 27.1	27.0	8.0 8.0	8.0	40.6 40.0	40.3	88.9 87.2	88.1	5.6 5.6	5.6		13.3 13.0	13.2	
				Bottom	19.8	27.1 27.0	27.1	8.0 8.0	8.0	39.9 40.5	40.2	86.6 90.9	88.8	5.5 5.8	5.6	5.6	16.8 16.3	16.6	
28/10/2007	Sunny	Moderate	14:25	Surface	1.0	27.2 27.3	27.2	7.9 7.9	7.9	39.5 39.2	39.3	79.7 80.7	80.2	5.1 5.1	5.1	5.3	14.7 14.1	14.4	17.0
				Middle	10.4	27.8 27.2	27.5	8.0 8.0	8.0	40.1 41.4	40.8	86.8 85.7	86.3	5.5 5.4	5.4		13.2 13.4	13.3	
				Bottom	19.7	27.2 27.2	27.2	8.0 8.0	8.0	41.1 42.1	41.6	87.0 84.6	85.8	5.5 5.3	5.4	5.4	23.2 23.1	23.2	
29/10/2007	Sunny	Moderate	14:39	Surface	1.0	27.4 26.5	27.0	8.1 8.1	8.1	42.3 42.9	42.6	91.8 91.5	91.7	5.7 5.8	5.8	5.7	8.4 8.7	8.6	14.5
				Middle	10.2	27.8 26.9	27.4	8.1 8.1	8.1	41.7 42.3	42.0	89.9 89.5	89.7	5.6 5.6	5.6		15.7 16.2	16.0	
				Bottom	19.5	26.7 27.3	27.0	8.1 8.1	8.1	42.8 42.2	42.5	90.1 92.6	91.4	5.7 5.8	5.7	5.7	19.0 18.7	18.9	
30/10/2007	Sunny	Moderate	10:41	Surface	1.0	26.8 27.4	27.1	7.9 7.9	7.9	38.0 37.0	37.5	83.5 82.9	83.2	5.4 5.3	5.4	5.4	9.0 8.9	9.0	15.4
				Middle	10.4	27.2 27.1	27.1	8.0 8.0	8.0	39.9 40.2	40.0	85.9 85.2	85.6	5.5 5.4	5.4		16.2 16.5	16.4	
				Bottom	19.9	27.0 27.0	27.0	8.0 8.0	8.0	41.7 41.9	41.8	84.4 86.1	85.3	5.3 5.4	5.4	5.4	20.9 20.9	20.9	

Remarks: * **DA: Depth-Averaged**

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

Annex D4 -Water Quality Monitoring Results at C2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	17:10	Surface	1.0	26.9 26.9	26.9	8.3 8.1	8.2	35.3 35.7	35.5	87.1 86.7	86.9	5.7 5.7	5.7	5.5	5.5 5.2	5.4	16.5
				Middle	10.0	26.8 26.9	26.8	8.3 8.2	8.3	38.3 37.7	38.0	83.0 83.1	83.1	5.4 5.4	5.4		6.6 6.3	6.5	
				Bottom	19.0	26.5 26.5	26.5	8.2 8.2	8.2	37.9 38.3	38.1	79.7 80.7	80.2	5.2 5.2	5.2	5.2	36.7 38.4	37.6	
25/10/2007	Fine	Moderate	17:52	Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	37.8 39.2	38.5	97.3 95.2	96.3	6.3 6.1	6.2	5.8	3.2 3.4	3.3	25.6
				Middle	9.9	26.7 26.8	26.8	8.0 8.0	8.0	40.9 42.5	41.7	85.2 85.6	85.4	5.4 5.4	5.4		18.5 19.2	18.9	
				Bottom	18.8	26.7 26.7	26.7	8.0 8.0	8.0	40.9 42.4	41.6	84.4 85.1	84.8	5.4 5.4	5.4	5.4	55.3 54.2	54.8	
26/10/2007	Fine	Moderate	18:19	Surface	1.0	27.2 27.1	27.2	8.0 8.0	8.0	38.2 38.5	38.4	87.2 86.4	86.8	5.6 5.5	5.6	5.5	4.7 5.0	4.9	16.7
				Middle	9.9	27.0 27.0	27.0	8.0 8.0	8.0	41.4 41.0	41.2	86.2 86.1	86.2	5.5 5.5	5.5		8.3 8.8	8.6	
				Bottom	18.8	27.0 27.1	27.0	8.0 8.0	8.0	41.3 41.1	41.2	87.8 85.5	86.7	5.6 5.4	5.5	5.5	36.7 36.4	36.6	
27/10/2007	Sunny	Moderate	8:00	Surface	1.0	27.1 27.0	27.0	7.9 7.9	7.9	37.1 37.3	37.2	84.2 82.9	83.6	5.4 5.4	5.4	5.5	8.4 8.4	8.4	13.1
				Middle	10.6	27.0 27.0	27.0	8.0 8.0	8.0	38.8 39.3	39.0	86.6 86.9	86.8	5.6 5.6	5.6		10.8 10.2	10.5	
				Bottom	20.3	27.0 27.0	27.0	8.0 8.0	8.0	39.9 39.7	39.8	86.5 86.0	86.3	5.5 5.5	5.5	5.5	20.9 20.1	20.5	
28/10/2007	Sunny	Moderate	8:51	Surface	1.0	27.3 27.8	27.5	7.9 7.9	7.9	38.4 38.1	38.2	84.7 85.3	85.0	5.4 5.4	5.4	5.6	9.6 9.3	9.5	16.0
				Middle	10.6	26.3 27.3	26.8	8.0 8.0	8.0	41.7 40.5	41.1	90.6 88.6	89.6	5.8 5.6	5.7		11.2 11.4	11.3	
				Bottom	20.2	27.7 27.3	27.5	8.0 8.0	8.0	40.9 41.4	41.2	87.4 89.3	88.4	5.5 5.6	5.5	5.5	27.1 27.2	27.2	
29/10/2007	Sunny	Moderate	9:15	Surface	1.0	25.9 27.2	26.5	7.9 7.9	7.9	36.6 36.1	36.4	82.2 79.9	81.1	5.4 5.2	5.3	5.2	9.7 9.3	9.5	18.1
				Middle	10.6	27.3 27.2	27.2	8.0 8.0	8.0	39.0 39.3	39.1	80.9 80.8	80.9	5.2 5.2	5.2		19.2 18.0	18.6	
				Bottom	20.3	27.2 27.1	27.2	8.0 8.0	8.0	39.6 40.4	40.0	82.0 81.7	81.9	5.2 5.2	5.2	5.2	26.2 26.4	26.3	
30/10/2007	Sunny	Moderate	15:31	Surface	1.0	27.0 27.0	27.0	8.1 8.1	8.1	42.0 41.8	41.9	94.1 93.9	94.0	5.9 5.9	5.9	5.9	5.7 6.4	6.1	6.4
				Middle	9.9	27.0 26.9	26.9	8.1 8.1	8.1	42.4 42.3	42.3	93.8 94.1	94.0	5.9 5.9	5.9		5.8 6.1	6.0	
				Bottom	18.7	26.9 25.9	26.4	8.1 8.1	8.1	42.2 43.2	42.7	94.9 95.2	95.1	6.0 6.1	6.0	6.0	7.4 7.0	7.2	

Remarks: * **DA: Depth-Averaged**

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

Annex D5 -Water Quality Monitoring Results at C3 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	10:00	Surface	1.0	26.0 26.0	26.0	7.8 7.9	7.9	34.8 34.9	34.9	95.0 94.4	94.7	6.3 6.3	6.3	6.2	3.1 3.7	3.4	11.0
				Middle	3.7	25.8 25.9	25.8	7.9 7.8	7.9	35.7 35.7	35.7	90.1 90.2	90.2	6.0 6.0	6.0		8.7 9.4	9.1	
				Bottom	6.4	25.9 25.8	25.9	7.8 7.8	7.8	36.6 36.0	36.3	89.9 89.6	89.8	5.9 6.0	5.9	5.9	20.5 20.5	20.5	
25/10/2007	Sunny	Moderate	12:28	Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	38.3 38.3	38.3	92.2 93.7	93.0	5.9 6.0	6.0	6.0	5.5 5.3	5.4	6.9
				Middle	3.4	26.7 26.5	26.6	8.0 8.0	8.0	39.3 39.5	39.4	91.8 92.8	92.3	5.9 6.0	5.9		7.9 7.4	7.7	
				Bottom	5.8	26.6 26.8	26.7	8.0 8.0	8.0	39.6 39.7	39.6	91.9 91.4	91.7	5.9 5.9	5.9	5.9	7.8 7.6	7.7	
26/10/2007	Sunny	Moderate	14:36	Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	38.9 38.7	38.8	91.7 93.0	92.4	5.9 6.0	5.9	5.9	8.6 8.0	8.3	9.8
				Middle	3.3	27.0 27.0	27.0	8.0 8.0	8.0	38.9 39.1	39.0	93.3 91.2	92.3	6.0 5.8	5.9		10.7 10.1	10.4	
				Bottom	5.7	27.0 27.1	27.1	8.0 8.0	8.0	39.3 39.3	39.3	92.5 89.3	90.9	5.9 5.7	5.8	5.8	10.7 10.9	10.8	
27/10/2007	Sunny	Moderate	12:07	Surface	1.0	26.9 26.9	26.9	8.0 8.0	8.0	39.5 39.4	39.5	90.1 90.8	90.5	5.8 5.8	5.8	5.8	9.4 9.5	9.5	13.3
				Middle	3.5	26.8 26.8	26.8	8.0 8.1	8.0	39.8 39.9	39.8	90.0 90.9	90.5	5.8 5.8	5.8		11.5 11.9	11.7	
				Bottom	5.9	26.2 26.8	26.5	8.1 8.1	8.1	40.6 40.1	40.4	91.7 85.5	88.6	5.9 5.5	5.7	5.7	18.9 18.4	18.7	
28/10/2007	Sunny	Moderate	12:46	Surface	1.0	27.2 27.1	27.2	8.1 8.1	8.1	41.0 41.1	41.0	94.4 94.1	94.3	6.0 5.9	6.0	6.0	11.0 10.9	11.0	16.9
				Middle	3.5	25.9 26.9	26.4	8.1 8.1	8.1	43.6 42.6	43.1	95.7 94.6	95.2	6.1 5.9	6.0		19.2 19.0	19.1	
				Bottom	5.9	26.9 26.9	26.9	8.1 8.1	8.1	42.8 42.8	42.8	94.7 94.8	94.8	6.0 6.0	6.0	6.0	20.8 20.7	20.8	
29/10/2007	Sunny	Moderate	13:30	Surface	1.0	27.0 27.1	27.1	7.9 7.9	7.9	36.3 35.0	35.7	97.6 97.5	97.6	6.4 6.4	6.4	6.3	7.2 7.6	7.4	18.1
				Middle	3.3	26.7 26.8	26.7	7.9 8.0	7.9	34.0 35.6	34.8	96.1 95.7	95.9	6.4 6.3	6.3		18.0 19.0	18.5	
				Bottom	5.5	26.7 26.6	26.6	8.0 8.0	8.0	35.1 36.7	35.9	97.4 95.9	96.7	6.4 6.3	6.3	6.3	28.6 28.2	28.4	
30/10/2007	Sunny	Moderate	11:46	Surface	1.0	26.9 27.4	27.2	8.0 8.0	8.0	38.8 38.3	38.5	90.5 89.2	89.9	5.8 5.7	5.8	5.8	12.7 12.8	12.8	30.3
				Middle	3.7	26.8 27.3	27.0	8.0 8.1	8.0	39.9 39.5	39.7	91.0 90.8	90.9	5.8 5.8	5.8		23.6 23.6	23.6	
				Bottom	6.4	26.7 26.7	26.7	8.1 8.1	8.1	40.9 41.3	41.1	91.3 90.4	90.9	5.8 5.8	5.8	5.8	54.5 54.8	54.7	

Remarks: * **DA: Depth-Averaged**

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

Annex D6 -Water Quality Monitoring Results at C3 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	16:14	Surface	1.0	26.8 26.8	26.8	8.1 8.3	8.2	34.4 34.3	34.4	91.2 91.9	91.6	6.0 6.1	6.0	6.0	4.6 4.2	4.4	13.4
				Middle	4.0	26.6 26.7	26.7	8.3 8.3	8.3	34.8 34.6	34.7	90.6 91.6	91.1	6.0 6.1	6.0		13.2 13.6	13.4	
				Bottom	7.1	26.6 26.7	26.6	8.3 8.3	8.3	34.9 34.6	34.7	90.7 91.7	91.2	6.0 6.1	6.0	6.0	24.3 20.5	22.4	
25/10/2007	Fine	Moderate	16:35	Surface	1.0	26.8 26.8	26.8	8.0 8.0	8.0	36.1 36.2	36.2	101.4 101.4	101.4	6.6 6.6	6.6	6.6	3.8 3.7	3.8	7.1
				Middle	3.3	26.7 26.7	26.7	8.0 8.0	8.0	37.1 36.8	37.0	99.8 99.5	99.7	6.5 6.5	6.5		5.4 5.4	5.4	
				Bottom	5.7	26.6 26.6	26.6	8.0 7.9	7.9	37.6 37.4	37.5	98.7 96.9	97.8	6.4 6.3	6.4	6.4	12.4 12.0	12.2	
26/10/2007	Fine	Moderate	17:06	Surface	1.0	27.2 27.1	27.2	8.1 8.0	8.0	37.4 37.4	37.4	110.8 106.3	108.6	7.1 6.9	7.0	6.7	3.7 3.5	3.6	9.9
				Middle	3.2	26.9 26.9	26.9	8.0 8.0	8.0	39.1 38.9	39.0	101.0 100.3	100.7	6.5 6.4	6.5		9.2 9.7	9.5	
				Bottom	5.4	26.8 26.8	26.8	8.0 8.0	8.0	39.3 39.1	39.2	102.1 98.8	100.5	6.6 6.3	6.4	6.4	16.5 16.5	16.5	
27/10/2007	Sunny	Moderate	9:09	Surface	1.0	26.9 26.4	26.6	8.0 8.0	8.0	39.5 39.6	39.6	90.9 87.3	89.1	5.8 5.6	5.7	5.6	12.7 12.5	12.6	16.3
				Middle	3.4	26.3 27.3	26.8	8.0 8.0	8.0	39.9 39.5	39.7	83.5 90.6	87.1	5.4 5.8	5.6		16.6 16.2	16.4	
				Bottom	5.9	26.7 26.9	26.8	8.0 8.0	8.0	40.1 39.3	39.7	91.0 90.4	90.7	5.8 5.8	5.8	5.8	20.8 19.0	19.9	
28/10/2007	Sunny	Moderate	10:08	Surface	1.0	27.2 27.1	27.2	8.1 8.1	8.1	41.0 41.4	41.2	94.3 94.0	94.2	6.0 5.9	5.9	5.9	10.7 10.4	10.6	16.9
				Middle	3.4	27.0 27.1	27.1	8.1 8.1	8.1	42.3 41.3	41.8	94.8 93.5	94.2	6.0 5.9	5.9		14.8 14.7	14.8	
				Bottom	5.7	27.6 27.0	27.3	8.1 8.1	8.1	42.0 42.7	42.3	92.6 95.5	94.1	5.8 6.0	5.9	5.9	25.5 25.2	25.4	
29/10/2007	Sunny	Moderate	10:13	Surface	1.0	27.1 27.6	27.4	8.0 8.0	8.0	38.9 38.5	38.7	88.3 87.8	88.1	5.7 5.6	5.6	5.6	12.7 11.9	12.3	16.7
				Middle	3.4	27.1 27.0	27.1	8.1 8.0	8.0	39.2 39.3	39.2	89.0 88.3	88.7	5.7 5.6	5.7		16.8 15.6	16.2	
				Bottom	5.8	27.0 27.0	27.0	8.1 8.1	8.1	39.5 39.8	39.6	88.1 88.4	88.3	5.6 5.6	5.6	5.6	21.4 21.6	21.5	
30/10/2007	Sunny	Moderate	14:16	Surface	1.0	27.1 26.5	26.8	8.1 8.0	8.0	40.8 42.9	41.9	91.3 91.3	91.3	5.8 5.8	5.8	5.8	9.1 9.5	9.3	14.8
				Middle	3.9	26.8 25.7	26.3	8.0 8.1	8.0	43.4 41.8	42.6	91.1 92.9	92.0	5.7 6.0	5.8		14.2 13.5	13.9	
				Bottom	6.8	25.7 26.9	26.3	8.1 8.0	8.0	42.3 45.7	44.0	93.9 93.2	93.6	6.0 5.8	5.9	5.9	20.9 21.3	21.1	

Remarks: * **DA: Depth-Averaged**

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

Annex D7 -Water Quality Monitoring Results at MP - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	11:36	Surface	1.0	26.5 26.5	26.5	8.3 8.2	8.2	36.0 35.9	36.0	85.6 85.4	85.5	5.6 5.6	5.6	5.6	13.8 14.2	14.0	16.3
				Middle	3.0	26.4 26.5	26.4	8.2 8.0	8.1	36.1 35.9	36.0	85.1 84.9	85.0	5.6 5.6	5.6		15.0 15.5	15.3	
				Bottom	5.1	26.4 26.6	26.5	8.2 8.2	8.2	37.1 36.9	37.0	85.4 85.0	85.2	5.6 5.6	5.6	5.6	19.7 19.7	19.7	
25/10/2007	Sunny	Moderate	11:46	Surface	1.0	26.9 26.8	26.8	7.9 7.9	7.9	37.4 37.5	37.4	85.4 84.4	84.9	5.5 5.5	5.5	5.5	9.9 9.8	9.9	14.6
				Middle	3.1	26.6 26.7	26.7	8.0 7.9	7.9	37.8 37.7	37.8	84.5 84.3	84.4	5.5 5.5	5.5		14.6 14.4	14.5	
				Bottom	5.2	26.7 26.7	26.7	8.0 8.0	8.0	37.8 37.9	37.8	84.6 85.0	84.8	5.5 5.5	5.5	5.5	19.6 19.4	19.5	
26/10/2007	Sunny	Moderate	13:54	Surface	1.0	27.2 27.2	27.2	7.9 7.9	7.9	39.0 38.9	38.9	89.1 87.9	88.5	5.7 5.6	5.7	5.6	9.6 9.2	9.4	11.2
				Middle	3.1	27.2 27.2	27.2	7.9 7.9	7.9	39.0 38.9	38.9	88.7 87.1	87.9	5.7 5.6	5.6		10.4 10.4	10.4	
				Bottom	5.2	27.2 27.1	27.2	7.9 7.9	7.9	39.0 38.8	38.9	88.6 86.7	87.7	5.7 5.5	5.6	5.6	13.8 13.9	13.9	
27/10/2007	Sunny	Moderate	12:48	Surface	1.0	27.5 27.1	27.3	8.0 8.0	8.0	39.0 39.4	39.2	83.6 87.5	85.6	5.3 5.6	5.4	5.5	12.4 12.4	12.4	12.7
				Middle	3.0	26.4 27.0	26.7	8.0 8.0	8.0	40.0 39.5	39.8	83.5 86.7	85.1	5.4 5.5	5.5		12.9 12.4	12.7	
				Bottom	5.0	27.1 27.0	27.1	8.0 8.0	8.0	39.3 39.6	39.4	77.6 86.1	81.9	5.0 5.5	5.2	5.2	12.6 13.2	12.9	
28/10/2007	Sunny	Moderate	13:52	Surface	1.0	27.3 27.3	27.3	8.0 8.0	8.0	39.5 39.4	39.4	82.8 83.6	83.2	5.3 5.3	5.3	5.3	11.8 11.5	11.7	12.1
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.6	27.9 27.2	27.6	8.0 8.0	8.0	38.9 39.6	39.2	83.6 83.6	83.6	5.3 5.3	5.3	5.3	12.2 12.8	12.5	
29/10/2007	Sunny	Moderate	14:13	Surface	1.0	26.9 26.9	26.9	8.0 8.0	8.0	37.3 37.4	37.4	88.0 86.9	87.5	5.7 5.6	5.7	5.7	9.1 9.3	9.2	11.2
				Middle	3.1	26.8 26.8	26.8	8.0 8.0	8.0	37.7 37.7	37.7	88.5 86.2	87.4	5.7 5.6	5.7		11.8 11.6	11.7	
				Bottom	5.1	26.9 26.7	26.8	8.0 8.0	8.0	37.7 37.9	37.8	89.8 86.9	88.4	5.8 5.6	5.7	5.7	12.8 12.8	12.8	
30/10/2007	Sunny	Moderate	11:01	Surface	1.0	27.0 25.8	26.4	7.9 7.9	7.9	37.2 38.1	37.7	82.7 82.0	82.4	5.4 5.4	5.4	5.4	9.1 9.1	9.1	9.1
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.3	25.6 26.9	26.2	7.9 7.9	7.9	38.5 37.2	37.9	86.0 81.8	83.9	5.7 5.3	5.5	5.5	8.8 9.3	9.1	

Remarks: * **DA: Depth-Averaged**

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

Annex D8 -Water Quality Monitoring Results at MP - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	16:53	Surface	1.0	26.7 26.7	26.7	8.0 8.1	8.1	33.8 33.8	33.8	80.7 80.7	80.7	5.4 5.4	5.4	5.4	8.4 8.2	8.3	14.4
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.6	26.6 26.6	26.6	8.1 8.0	8.0	35.1 34.9	35.0	78.2 79.5	78.9	5.2 5.2	5.2	5.2	20.2 20.9	20.6	
25/10/2007	Fine	Moderate	17:24	Surface	1.0	27.0 27.1	27.1	7.9 7.9	7.9	34.9 34.2	34.6	86.0 86.7	86.4	5.6 5.7	5.7	5.7	6.9 6.4	6.7	11.0
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.8	26.8 26.9	26.8	7.9 7.9	7.9	35.9 36.0	35.9	82.3 83.0	82.7	5.4 5.4	5.4	5.4	15.1 15.7	15.4	
26/10/2007	Fine	Moderate	17:57	Surface	1.0	27.0 26.9	27.0	8.0 8.0	8.0	37.6 37.6	37.6	90.1 91.5	90.8	5.8 5.9	5.9	5.9	7.2 7.9	7.6	11.3
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.8	26.9 26.9	26.9	7.9 8.0	7.9	38.7 38.8	38.8	85.1 94.6	89.9	5.5 6.1	5.8	5.8	15.0 15.2	15.1	
27/10/2007	Sunny	Moderate	8:24	Surface	1.0	26.9 27.0	26.9	8.0 7.9	7.9	37.1 37.1	37.1	81.1 80.5	80.8	5.3 5.2	5.2	5.2	14.7 15.4	15.1	21.6
				Middle	3.1	27.4 26.9	27.1	7.9 8.0	7.9	36.9 37.2	37.0	79.5 81.0	80.3	5.1 5.3	5.2		20.5 20.1	20.3	
				Bottom	5.2	26.9 26.8	26.9	8.0 8.0	8.0	37.7 37.6	37.7	78.6 81.0	79.8	5.1 5.2	5.2	5.2	29.5 29.1	29.3	
28/10/2007	Sunny	Moderate	9:21	Surface	1.0	27.1 27.2	27.1	8.0 8.0	8.0	40.1 40.1	40.1	85.8 85.7	85.8	5.5 5.4	5.4	5.4	14.1 14.8	14.5	22.8
				Middle	3.2	27.1 27.1	27.1	8.0 8.0	8.0	40.2 40.2	40.2	85.1 85.3	85.2	5.4 5.4	5.4		22.7 22.4	22.6	
				Bottom	5.3	25.8 27.2	26.5	8.0 8.0	8.0	41.4 40.2	40.8	87.2 84.8	86.0	5.6 5.4	5.5	5.5	31.3 31.4	31.4	
29/10/2007	Sunny	Moderate	9:35	Surface	1.0	27.7 27.1	27.4	8.0 8.0	8.0	37.9 38.4	38.1	81.9 82.7	82.3	5.2 5.3	5.3	5.3	23.0 23.3	23.2	25.8
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.5	27.1 27.1	27.1	8.0 8.0	8.0	38.5 38.5	38.5	82.7 82.6	82.7	5.3 5.3	5.3	5.3	28.4 28.6	28.5	
30/10/2007	Sunny	Moderate	15:01	Surface	1.0	26.9 25.7	26.3	8.0 8.0	8.0	37.9 38.8	38.3	83.5 86.4	85.0	5.4 5.7	5.5	5.5	4.8 4.5	4.7	12.6
				Middle	-	- -	-	- -	-	- -	-	- -	-	- -	-		- -	-	
				Bottom	4.5	26.9 27.2	27.1	8.0 8.0	8.0	39.1 38.7	38.9	89.7 83.7	86.7	5.8 5.4	5.6	5.6	20.4 20.5	20.5	

Remarks: * **DA: Depth-Averaged**

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

Annex D9 -Water Quality Monitoring Results at MPB1 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	11:49	Surface	1.0	26.6 26.5	26.5	8.2 8.2	8.2	35.8 36.1	35.9	89.4 90.0	89.7	5.9 5.9	5.9	5.9	5.6 5.1	5.4	10.4
				Middle	4.1	26.5 26.5	26.5	8.2 8.2	8.2	36.1 36.0	36.1	89.0 88.3	88.7	5.8 5.8	5.8		7.9 7.3	7.6	
				Bottom	7.2	26.5 26.5	26.5	8.1 8.2	8.1	37.1 36.8	37.0	86.4 85.3	85.9	5.6 5.6	5.6	5.6	18.2 18.4	18.3	
25/10/2007	Sunny	Moderate	11:58	Surface	1.0	26.9 26.8	26.9	8.0 8.0	8.0	37.8 38.0	37.9	84.6 85.7	85.2	5.5 5.5	5.5	5.4	5.2 4.9	5.1	20.6
				Middle	4.3	26.6 26.6	26.6	7.9 8.0	7.9	38.2 38.8	38.5	81.4 81.7	81.6	5.3 5.3	5.3		12.5 12.6	12.6	
				Bottom	7.6	26.7 26.6	26.7	8.0 8.0	8.0	38.9 39.5	39.2	83.2 83.0	83.1	5.4 5.3	5.3	5.3	44.3 44.1	44.2	
26/10/2007	Sunny	Moderate	14:07	Surface	1.0	27.6 27.5	27.5	8.0 8.0	8.0	37.3 37.9	37.6	101.3 101.3	101.3	6.5 6.5	6.5	6.0	5.7 5.0	5.4	16.6
				Middle	4.1	26.9 26.9	26.9	7.9 7.9	7.9	39.2 39.4	39.3	85.0 86.9	86.0	5.5 5.6	5.5		20.6 20.8	20.7	
				Bottom	7.3	27.0 26.9	26.9	7.9 8.0	7.9	39.5 39.5	39.5	84.7 90.3	87.5	5.4 5.8	5.6	5.6	23.9 23.6	23.8	
27/10/2007	Sunny	Moderate	12:40	Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	39.3 39.6	39.5	87.2 86.5	86.9	5.6 5.5	5.5	5.5	14.4 15.6	15.0	19.8
				Middle	4.3	26.9 26.8	26.9	8.0 8.0	8.0	40.2 40.2	40.2	87.4 85.8	86.6	5.6 5.5	5.5		18.6 19.0	18.8	
				Bottom	7.5	26.8 26.9	26.8	8.1 8.0	8.0	40.5 40.4	40.5	87.1 80.9	84.0	5.6 5.2	5.4	5.4	25.5 25.9	25.7	
28/10/2007	Sunny	Moderate	13:39	Surface	1.0	27.4 27.2	27.3	8.0 8.0	8.0	40.4 40.5	40.4	84.5 84.7	84.6	5.3 5.4	5.3	5.3	14.2 14.2	14.2	20.6
				Middle	4.2	27.6 27.1	27.4	8.0 8.0	8.0	40.2 40.7	40.4	84.5 85.0	84.8	5.3 5.4	5.4		23.3 23.2	23.3	
				Bottom	7.4	27.1 27.1	27.1	8.0 8.0	8.0	40.7 40.8	40.7	84.9 86.1	85.5	5.4 5.5	5.4	5.4	24.5 24.3	24.4	
29/10/2007	Sunny	Moderate	14:00	Surface	1.0	26.8 26.8	26.8	7.9 7.9	7.9	37.2 36.8	37.0	84.2 83.0	83.6	5.5 5.4	5.4	5.5	12.0 12.2	12.1	23.4
				Middle	4.4	26.5 26.6	26.6	8.0 8.0	8.0	36.7 37.9	37.3	87.0 84.6	85.8	5.7 5.5	5.6		24.4 24.5	24.5	
				Bottom	7.9	26.6 26.6	26.6	8.0 8.0	8.0	34.3 38.5	36.4	88.0 86.9	87.5	5.8 5.6	5.7	5.7	32.6 34.9	33.8	
30/10/2007	Sunny	Moderate	11:12	Surface	1.0	26.9 26.9	26.9	7.9 7.9	7.9	37.8 37.6	37.7	79.7 80.0	79.9	5.2 5.2	5.2	5.2	11.4 11.4	11.4	13.1
				Middle	4.1	25.8 27.0	26.4	7.9 7.9	7.9	38.7 37.5	38.1	80.2 81.1	80.7	5.2 5.2	5.2		12.2 12.7	12.5	
				Bottom	7.2	26.9 26.9	26.9	7.9 7.9	7.9	37.8 37.6	37.7	79.7 85.6	82.7	5.2 5.5	5.3	5.3	15.7 15.3	15.5	

Remarks: * **DA: Depth-Averaged**

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

Annex D10 -Water Quality Monitoring Results at MPB1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	16:43	Surface	1.0	27.0 27.0	27.0	8.2 8.1	8.1	33.9 33.1	33.5	88.4 88.9	88.7	5.8 5.9	5.9	5.6	6.0 5.5	5.8	12.5
				Middle	4.1	26.6 26.8	26.7	8.1 8.1	8.1	36.1 34.7	35.4	80.7 80.5	80.6	5.3 5.3	5.3		13.5 13.8	13.7	
				Bottom	7.1	26.6 26.8	26.7	8.1 8.1	8.1	36.1 34.7	35.4	80.6 81.1	80.9	5.3 5.3	5.3	5.3	17.6 18.4	18.0	
25/10/2007	Fine	Moderate	17:11	Surface	1.0	27.4 27.1	27.3	8.0 8.0	8.0	34.2 34.7	34.5	97.4 96.0	96.7	6.4 6.3	6.3	6.0	5.5 5.0	5.3	14.0
				Middle	4.1	26.7 27.0	26.8	7.9 7.9	7.9	36.8 36.5	36.7	86.3 86.2	86.3	5.6 5.6	5.6		12.2 12.7	12.5	
				Bottom	7.1	26.9 26.6	26.7	7.9 7.9	7.9	36.9 37.2	37.1	87.4 87.2	87.3	5.7 5.7	5.7	5.7	24.1 24.2	24.2	
26/10/2007	Fine	Moderate	17:43	Surface	1.0	27.0 26.9	27.0	8.0 8.0	8.0	38.5 38.1	38.3	93.7 89.9	91.8	6.0 5.8	5.9	5.8	8.5 8.8	8.7	13.0
				Middle	4.1	26.8 26.8	26.8	7.9 7.9	7.9	38.9 38.9	38.9	87.1 91.5	89.3	5.6 5.9	5.7		13.9 13.9	13.9	
				Bottom	7.1	26.9 26.9	26.9	7.9 7.9	7.9	39.0 39.1	39.1	95.3 85.8	90.6	6.1 5.5	5.8	5.8	16.7 16.0	16.4	
27/10/2007	Sunny	Moderate	8:36	Surface	1.0	27.0 26.9	26.9	8.0 8.0	8.0	38.3 38.3	38.3	82.8 82.6	82.7	5.3 5.3	5.3	5.3	46.2 46.0	46.1	57.7
				Middle	4.4	26.9 26.9	26.9	8.0 8.0	8.0	38.5 38.5	38.5	82.9 82.6	82.8	5.3 5.3	5.3		65.3 63.7	64.5	
				Bottom	7.7	26.3 26.3	26.3	8.0 8.0	8.0	39.0 39.2	39.1	82.2 83.4	82.8	5.3 5.4	5.4	5.4	62.0 62.7	62.4	
28/10/2007	Sunny	Moderate	9:34	Surface	1.0	27.1 25.9	26.5	8.0 8.0	8.0	39.5 40.4	39.9	80.8 82.4	81.6	5.2 5.3	5.2	5.3	11.3 11.0	11.2	29.0
				Middle	4.3	25.9 27.1	26.5	8.0 8.0	8.0	41.0 40.3	40.6	84.7 84.4	84.6	5.5 5.4	5.4		23.1 23.5	23.3	
				Bottom	7.6	27.0 27.1	27.0	8.0 8.0	8.0	40.5 40.6	40.6	84.3 85.3	84.8	5.4 5.4	5.4	5.4	53.6 51.2	52.4	
29/10/2007	Sunny	Moderate	9:44	Surface	1.0	27.1 27.1	27.1	7.9 7.9	7.9	36.4 36.4	36.4	76.3 76.7	76.5	5.0 5.0	5.0	5.0	10.7 11.2	11.0	21.0
				Middle	4.4	26.9 27.5	27.2	8.0 8.0	8.0	36.7 36.3	36.5	76.5 77.1	76.8	5.0 5.0	5.0		19.3 19.1	19.2	
				Bottom	7.7	26.9 26.9	26.9	8.0 8.0	8.0	38.5 38.2	38.3	79.0 77.2	78.1	5.1 5.0	5.0	5.0	33.1 32.6	32.9	
30/10/2007	Sunny	Moderate	14:48	Surface	1.0	26.9 25.7	26.3	8.0 8.0	8.0	38.9 39.3	39.1	82.4 85.6	84.0	5.3 5.6	5.4	5.4	10.6 10.1	10.4	21.3
				Middle	4.3	25.7 26.8	26.3	8.0 8.0	8.0	40.2 39.2	39.7	84.1 83.0	83.6	5.5 5.3	5.4		26.2 26.7	26.5	
				Bottom	7.6	26.8 26.8	26.8	8.0 8.0	8.0	39.7 39.6	39.7	84.2 84.1	84.2	5.4 5.4	5.4	5.4	27.1 27.1	27.1	

Remarks: * **DA: Depth-Averaged**

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

Annex D11 -Water Quality Monitoring Results at MPB2 - Mid-Ebb Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	12:03	Surface	1.0	26.6 26.6	26.6	8.3 8.3	8.3	35.9 35.9	35.9	87.8 87.9	87.9	5.8 5.8	5.8	5.7	5.3 5.5	5.4	19.2
				Middle	4.6	26.5 26.3	26.4	8.2 8.3	8.3	36.2 36.9	36.6	85.4 84.6	85.0	5.6 5.5	5.6		11.4 11.8	11.6	
				Bottom	8.2	26.3 26.4	26.4	8.3 8.3	8.3	37.1 36.7	36.9	84.7 83.8	84.3	5.5 5.5	5.5	5.5	41.1 40.3	40.7	
25/10/2007	Sunny	Moderate	12:12	Surface	1.0	27.0 26.9	26.9	8.0 8.0	8.0	38.3 38.5	38.4	87.9 87.7	87.8	5.7 5.6	5.7	5.6	6.3 6.6	6.5	7.9
				Middle	4.7	26.7 26.7	26.7	8.0 8.0	8.0	39.1 39.2	39.1	86.9 87.7	87.3	5.6 5.6	5.6		8.4 8.8	8.6	
				Bottom	8.4	26.6 26.7	26.6	8.0 8.0	8.0	39.4 39.3	39.4	87.4 87.7	87.6	5.6 5.6	5.6	5.6	8.9 8.2	8.6	
26/10/2007	Sunny	Moderate	14:20	Surface	1.0	27.1 27.0	27.1	8.0 7.9	8.0	38.5 38.6	38.5	88.4 86.2	87.3	5.7 5.5	5.6	5.6	8.2 8.0	8.1	11.8
				Middle	4.7	27.0 27.0	27.0	7.9 7.9	7.9	38.8 38.9	38.8	86.1 86.5	86.3	5.5 5.6	5.5		11.6 11.2	11.4	
				Bottom	8.5	27.0 27.0	27.0	8.0 7.9	7.9	39.0 38.8	38.9	86.9 86.1	86.5	5.6 5.5	5.5	5.5	15.7 15.8	15.8	
27/10/2007	Sunny	Moderate	12:29	Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	40.0 39.9	39.9	88.4 88.0	88.2	5.6 5.6	5.6	5.6	20.2 21.5	20.9	33.5
				Middle	5.0	26.9 26.9	26.9	8.0 8.0	8.0	40.4 40.3	40.3	88.2 88.2	88.2	5.6 5.6	5.6		39.2 39.4	39.3	
				Bottom	8.9	26.2 26.9	26.5	8.0 8.0	8.0	41.2 40.4	40.8	89.0 88.4	88.7	5.7 5.6	5.7	5.7	40.3 40.5	40.4	
28/10/2007	Sunny	Moderate	13:27	Surface	1.0	27.2 27.3	27.3	8.0 8.0	8.0	40.4 40.1	40.3	87.1 87.3	87.2	5.5 5.5	5.5	5.5	20.3 20.6	20.5	26.7
				Middle	4.8	27.2 27.1	27.1	8.0 8.0	8.0	41.0 41.0	41.0	88.6 87.6	88.1	5.6 5.5	5.6		29.4 29.0	29.2	
				Bottom	8.7	27.6 27.7	27.7	8.0 8.1	8.0	40.8 41.0	40.9	86.8 88.1	87.5	5.5 5.5	5.5	5.5	30.6 30.5	30.6	
29/10/2007	Sunny	Moderate	13:49	Surface	1.0	26.8 26.9	26.8	7.9 7.9	7.9	33.6 32.4	33.0	87.7 85.8	86.8	5.8 5.7	5.8	5.8	10.9 10.3	10.6	13.9
				Middle	4.2	26.7 26.7	26.7	7.9 7.9	7.9	33.7 32.6	33.1	88.8 86.7	87.8	5.9 5.8	5.8		14.8 14.8	14.8	
				Bottom	7.5	26.8 26.8	26.8	7.9 7.9	7.9	32.2 32.6	32.4	89.1 87.0	88.1	6.0 5.8	5.9	5.9	16.3 16.2	16.3	
30/10/2007	Sunny	Moderate	11:24	Surface	1.0	26.8 26.8	26.8	7.9 7.9	7.9	37.5 37.6	37.5	80.0 79.8	79.9	5.2 5.2	5.2	5.1	8.3 8.7	8.5	11.1
				Middle	4.2	26.9 26.9	26.9	7.9 8.0	8.0	38.2 38.3	38.3	79.0 79.9	79.5	5.1 5.2	5.1		11.1 11.4	11.3	
				Bottom	7.4	27.5 26.8	27.2	8.0 8.0	8.0	38.1 39.0	38.6	78.6 80.6	79.6	5.0 5.2	5.1	5.1	13.5 13.7	13.6	

Remarks: * **DA: Depth-Averaged**

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

Annex D12 - Water Quality Monitoring Results at MPB2 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)		
						Value	Average	Value	Avercme	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*
24/10/2007	Sunny	Moderate	16:31	Surface	1.0	27.1 27.0	27.1	8.3 8.3	8.3	33.1 33.3	33.2	92.1 93.5	92.8	6.1 6.2	6.1	5.9	4.9 4.6	4.8	9.3
				Middle	4.2	26.9 26.8	26.8	8.2 8.2	8.2	33.7 34.1	33.9	86.3 85.6	86.0	5.7 5.7	5.7		9.8 9.7	9.8	
				Bottom	7.5	26.7 26.7	26.7	8.3 8.1	8.2	34.3 34.0	34.1	86.4 86.8	86.6	5.7 5.7	5.7	5.7	13.4 13.1	13.3	
25/10/2007	Fine	Moderate	16:57	Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	35.5 35.5	35.5	104.3 103.0	103.7	6.8 6.7	6.8	6.2	4.6 4.1	4.4	15.4
				Middle	4.3	26.7 26.6	26.6	7.9 7.9	7.9	37.2 37.4	37.3	88.8 87.5	88.2	5.8 5.7	5.7		17.7 17.7	17.7	
				Bottom	7.5	26.6 26.6	26.6	7.9 7.9	7.9	37.6 37.7	37.7	87.3 89.0	88.2	5.7 5.8	5.7	5.7	24.0 24.2	24.1	
26/10/2007	Fine	Moderate	17:31	Surface	1.0	27.1 27.1	27.1	8.0 8.0	8.0	37.9 38.4	38.1	109.6 105.5	107.6	7.1 6.8	6.9	6.4	4.6 4.1	4.4	10.5
				Middle	4.4	26.9 26.9	26.9	7.9 7.9	7.9	38.9 38.8	38.8	90.7 91.0	90.9	5.8 5.9	5.8		11.5 11.9	11.7	
				Bottom	7.7	26.9 26.9	26.9	7.9 7.9	7.9	38.7 38.9	38.8	90.3 93.4	91.9	5.8 6.0	5.9	5.9	15.8 15.2	15.5	
27/10/2007	Sunny	Moderate	8:46	Surface	1.0	27.0 26.9	26.9	8.0 8.0	8.0	38.8 38.7	38.7	87.8 86.7	87.3	5.6 5.6	5.6	5.6	22.0 22.9	22.5	37.0
				Middle	4.9	26.9 26.8	26.8	8.0 8.0	8.0	38.8 39.4	39.1	86.9 88.6	87.8	5.6 5.7	5.6		30.6 30.8	30.7	
				Bottom	8.7	26.8 27.1	27.0	8.1 8.1	8.1	40.2 39.9	40.0	89.0 88.2	88.6	5.7 5.6	5.6	5.6	57.3 58.5	57.9	
28/10/2007	Sunny	Moderate	9:47	Surface	1.0	27.5 27.3	27.4	8.0 8.0	8.0	39.9 39.9	39.9	83.9 84.2	84.1	5.3 5.3	5.3	5.4	8.2 8.9	8.6	13.1
				Middle	4.8	27.1 27.2	27.1	8.0 8.0	8.0	40.6 40.8	40.7	86.5 85.5	86.0	5.5 5.4	5.4		12.5 12.3	12.4	
				Bottom	8.5	25.8 27.1	26.4	8.1 8.1	8.1	43.2 42.0	42.6	88.9 86.9	87.9	5.7 5.5	5.6	5.6	18.3 18.6	18.5	
29/10/2007	Sunny	Moderate	9:54	Surface	1.0	27.7 27.2	27.5	7.9 8.0	7.9	36.0 36.4	36.2	74.8 76.5	75.7	4.8 5.0	4.9	4.9	8.2 7.6	7.9	15.0
				Middle	4.3	27.1 27.3	27.2	7.9 7.9	7.9	37.4 37.1	37.3	76.2 75.2	75.7	4.9 4.8	4.9		12.9 12.9	12.9	
				Bottom	7.5	27.2 27.1	27.2	8.0 7.9	8.0	37.6 37.4	37.5	75.5 77.0	76.3	4.9 5.0	4.9	4.9	24.8 23.7	24.3	
30/10/2007	Sunny	Moderate	14:35	Surface	1.0	27.0 27.0	27.0	8.0 8.0	8.0	38.7 38.9	38.8	91.8 90.8	91.3	5.9 5.8	5.9	5.9	8.6 8.1	8.4	15.3
				Middle	4.6	25.8 26.9	26.3	8.0 8.0	8.0	40.4 39.2	39.8	92.5 90.5	91.5	6.0 5.8	5.9		15.3 15.8	15.6	
				Bottom	8.3	26.8 26.7	26.7	8.1 8.1	8.1	41.4 41.6	41.5	91.7 91.3	91.5	5.8 5.8	5.8	5.8	22.5 21.6	22.1	

Remarks: * **DA: Depth-Averaged**

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

Annex D13 - Results of Suspended Solids (mg/L) between 24 October and 30 October 2007 at all monitoring stations

Suspended Solids (mg/L)		Mid-ebb						Mid-flood					
Sampling date	**Depth**	**C1**	**C2**	**C3**	**MP**	**MPB1**	**MPB2**	**C1**	**C2**	**C3**	**MP**	**MPB1**	**MPB2**
24/10/2007	Bottom - 1	6.0	9.0	8.0	18.0	9.0	12.0	11.0	8.0	10.0	11.0	9.0	7.0
	Bottom - 2	6.0	9.0	7.0	20.0	8.0	9.0	9.0	7.0	13.0	11.0	16.0	9.0
	Middle - 1	8.0	10.0	6.0	17.0	6.0	13.0	7.0	7.0	8.0	-	8.0	10.0
	Middle - 2	6.0	7.0	6.0	20.0	6.0	10.0	10.0	7.0	7.0	-	9.0	6.0
	Surface - 1	6.0	5.0	6.0	17.0	8.0	9.0	6.0	6.0	8.0	13.0	6.0	7.0
	Surface - 2	8.0	7.0	6.0	23.0	7.0	7.0	8.0	7.0	7.0	11.0	6.0	7.0
	Depth-averaged	**6.7**	**7.8**	**6.5**	**19.2**	**7.3**	**10.0**	**8.5**	**7.0**	**8.8**	**11.5**	**9.0**	**7.7**
25/10/2007	Bottom - 1	6.0	8.0	12.0	15.0	20.0	12.0	23.0	20.0	9.0	14.0	16.0	15.0
	Bottom - 2	6.0	10.0	12.0	14.0	23.0	14.0	24.0	19.0	8.0	11.0	15.0	14.0
	Middle - 1	7.0	8.0	8.0	14.0	11.0	11.0	9.0	13.0	9.0	-	13.0	13.0
	Middle - 2	7.0	9.0	8.0	13.0	13.0	12.0	10.0	13.0	7.0	-	10.0	13.0
	Surface - 1	7.0	5.0	9.0	12.0	11.0	8.0	9.0	7.0	5.0	13.0	4.0	9.0
	Surface - 2	6.0	6.0	9.0	13.0	10.0	8.0	9.0	9.0	6.0	10.0	5.0	11.0
	Depth-averaged	**6.5**	**7.7**	**9.7**	**13.5**	**14.7**	**10.8**	**14.0**	**13.5**	**7.3**	**12.0**	**10.5**	**12.5**
26/10/2007	Bottom - 1	14.0	20.0	7.0	14.0	14.0	14.0	11.0	6.0	7.0	8.0	21.0	13.0
	Bottom - 2	15.0	23.0	9.0	14.0	13.0	14.0	12.0	5.0	6.0	8.0	17.0	12.0
	Middle - 1	10.0	8.0	13.0	14.0	14.0	11.0	13.0	10.0	15.0	-	18.0	13.0
	Middle - 2	10.0	8.0	10.0	13.0	15.0	11.0	10.0	12.0	16.0	-	19.0	14.0
	Surface - 1	10.0	7.0	16.0	15.0	12.0	11.0	7.0	14.0	21.0	7.0	10.0	16.0
	Surface - 2	9.0	5.0	14.0	14.0	12.0	9.0	9.0	15.0	21.0	8.0	10.0	16.0
	Depth-averaged	**11.3**	**11.8**	**11.5**	**14.0**	**13.3**	**11.7**	**10.3**	**10.3**	**14.3**	**7.8**	**15.8**	**14.0**
27/10/2007	Bottom - 1	8.0	9.0	18.0	13.0	16.0	53.0	21.0	11.0	13.0	15.0	66.0	14.0
	Bottom - 2	7.0	10.0	15.0	12.0	17.0	54.0	22.0	12.0	13.0	16.0	65.0	14.0
	Middle - 1	9.0	6.0	12.0	13.0	20.0	15.0	23.0	11.0	10.0	14.0	48.0	14.0
	Middle - 2	9.0	7.0	12.0	13.0	21.0	15.0	22.0	11.0	10.0	14.0	48.0	14.0
	Surface - 1	10.0	8.0	9.0	12.0	11.0	13.0	20.0	8.0	11.0	14.0	53.0	15.0
	Surface - 2	8.0	7.0	11.0	12.0	12.0	13.0	20.0	8.0	11.0	13.0	53.0	14.0
	Depth-averaged	**8.5**	**7.8**	**12.8**	**12.5**	**16.2**	**27.2**	**21.3**	**10.2**	**11.3**	**14.3**	**55.5**	**14.2**
28/10/2007	Bottom - 1	20.0	23.0	24.0	22.0	30.0	9.0	13.0	18.0	20.0	24.0	16.0	12.0
	Bottom - 2	16.0	20.0	22.0	23.0	30.0	10.0	12.0	19.0	19.0	26.0	17.0	14.0
	Middle - 1	12.0	16.0	9.0	-	22.0	15.0	13.0	22.0	14.0	19.0	15.0	12.0
	Middle - 2	14.0	16.0	10.0	-	19.0	13.0	15.0	22.0	15.0	18.0	16.0	12.0
	Surface - 1	10.0	18.0	7.0	14.0	16.0	21.0	14.0	16.0	9.0	15.0	14.0	11.0
	Surface - 2	9.0	19.0	8.0	16.0	15.0	27.0	14.0	14.0	8.0	16.0	11.0	12.0
	Depth-averaged	**13.5**	**18.7**	**13.3**	**18.8**	**22.0**	**15.8**	**13.5**	**18.5**	**14.2**	**19.7**	**14.8**	**12.2**
29/10/2007	Bottom - 1	4.0	6.0	8.0	7.0	18.0	10.0	17.0	11.0	15.0	23.0	16.0	11.0
	Bottom - 2	6.0	8.0	7.0	6.0	16.0	9.0	16.0	9.0	14.0	20.0	13.0	9.0
	Middle - 1	5.0	4.0	7.0	7.0	16.0	4.0	17.0	10.0	13.0	-	12.0	9.0
	Middle - 2	5.0	6.0	5.0	6.0	16.0	6.0	20.0	8.0	12.0	-	10.0	9.0
	Surface - 1	4.0	4.0	5.0	7.0	8.0	6.0	16.0	8.0	13.0	12.0	7.0	7.0
	Surface - 2	3.0	5.0	6.0	6.0	7.0	6.0	14.0	9.0	13.0	11.0	6.0	8.0
	Depth-averaged	**4.5**	**5.5**	**6.3**	**6.5**	**13.5**	**6.8**	**16.7**	**9.2**	**13.3**	**16.5**	**10.7**	**8.8**
30/10/2007	Bottom - 1	14.0	13.0	10.0	14.0	17.0	12.0	12.0	12.0	13.0	11.0	21.0	8.0
	Bottom - 2	12.0	12.0	10.0	12.0	13.0	10.0	10.0	11.0	14.0	10.0	18.0	7.0
	Middle - 1	10.0	13.0	10.0	-	15.0	12.0	10.0	10.0	14.0	-	7.0	6.0
	Middle - 2	10.0	12.0	14.0	-	17.0	12.0	10.0	12.0	12.0	-	9.0	6.0
	Surface - 1	10.0	11.0	11.0	14.0	15.0	9.0	11.0	10.0	11.0	8.0	8.0	6.0
	Surface - 2	8.0	12.0	10.0	14.0	13.0	11.0	10.0	10.0	11.0	8.0	8.0	7.0
	Depth-averaged	**10.7**	**12.2**	**10.8**	**13.5**	**15.0**	**11.0**	**10.5**	**10.8**	**12.5**	**9.3**	**11.8**	**6.7**

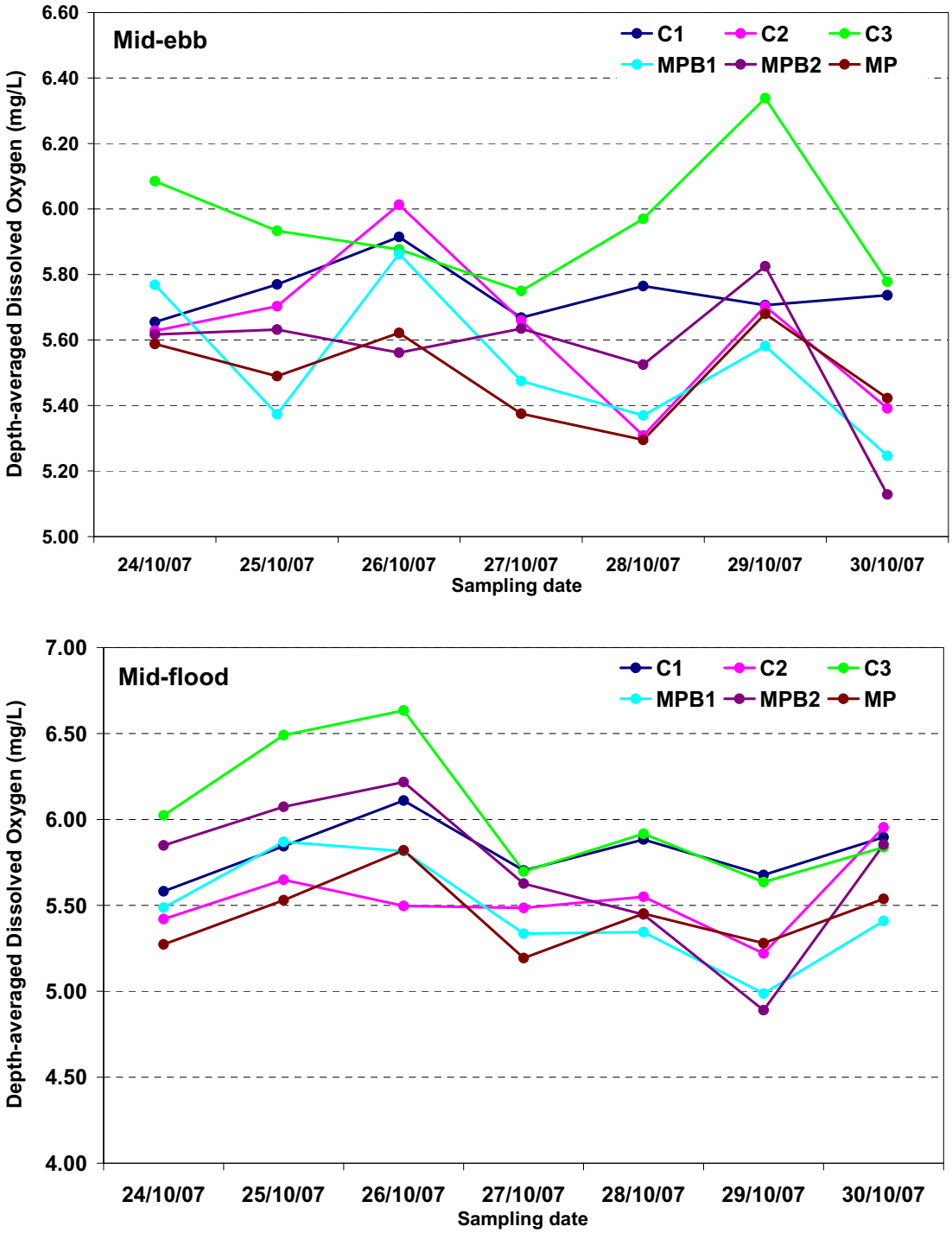

Figure 1: Depth-averaged levels of Dissolved Oxygen (mg/L) at Baseline Water Quality Monitoring Stations recorded between 24 October and 30 October 2007.

Source: H:\Team\EM\Contract\C2475 PAFF ET\05 Deliverables\08 Baseline Reports\Water Quality Baseline Report\0018105_Annex_water graphs.doc

Date: 07/11/2007

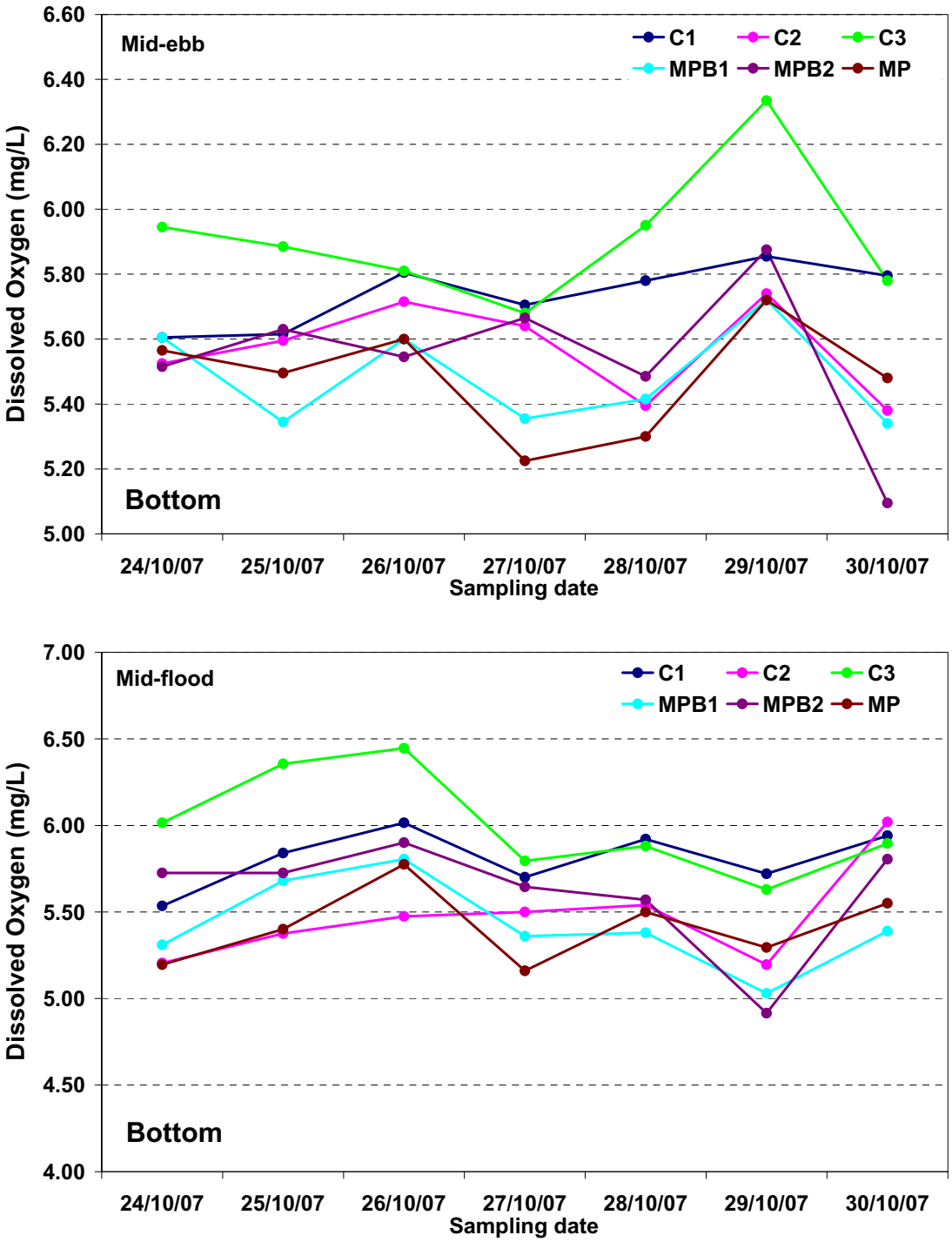

Figure 2: Levels of Dissolved Oxygen (mg/L) in bottom water at Baseline Water Quality Monitoring Stations recorded between 24 October and 30 October 2007.

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Date: 07/11/2007

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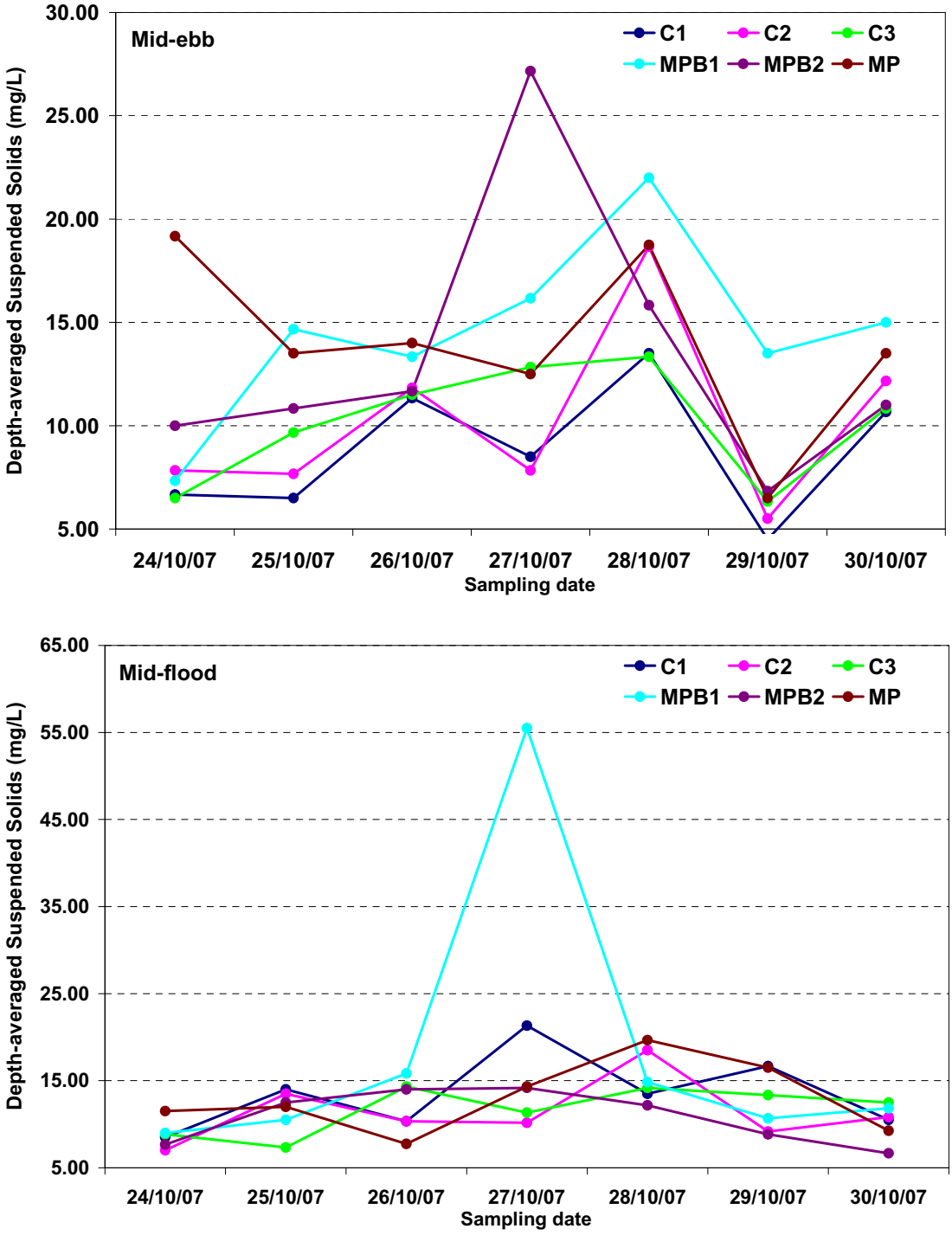

Figure 3: Depth-averaged levels of Suspended Solids (mg/L) at Baseline Water Quality Monitoring Stations recorded between 24 October and 30 October 2007.

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Date: 07/11/2007

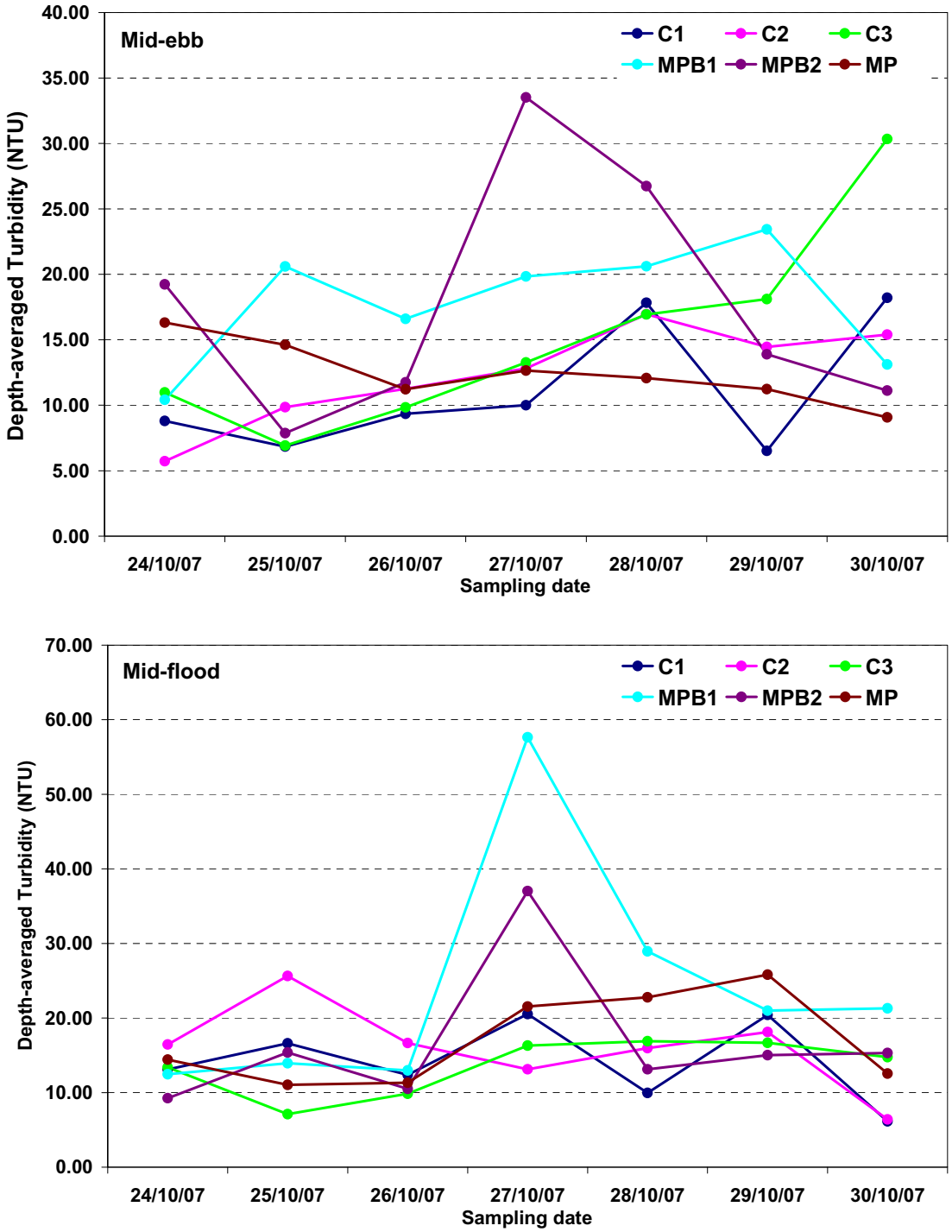

Figure 4: Depth-averaged levels of Turbidity (NTU) at Baseline Water Quality Monitoring Stations recorded between 24 October and 30 October 2007.

Source: H:\Team\EM\Contract\C2475 PAFF ET\05 Deliverables\08 Baseline Reports\Water Quality Baseline Report\0018105_Annex_water graphs.doc

Date: 07/11/2007

Annex E

QA/QC Results for POPs Testing

CERTIFICATE OF ANALYSIS

Client	: **ERM HONG KONG**	*Laboratory*	: **ALS Technichem (HK) Pty Ltd**	*Page*	: **1 of 9**		
Contact	: **MR BILL TSANG**	*Contact*	: **Alice Wong**	*Work Order*	: **HK0715314**		
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Project	: **AVIATION FUEL FACILITIES**	*Quote number*	: **----**	*Date received*	: **24 Oct 2007**		
Order number	: **----**			*Date of issue*	: **19 Nov 2007**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**24**
Site	: **----**				- *Analysed*	:	**24**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715314 supersedes any previous reports with this reference. The completion date of analysis is 12 Nov 2007. 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 HK0715314 :

Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient 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:-*
Anh Ngoc Huynh	**Senior Chemist**	**Organics**

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EP-065A: PCB Single Congeners (QC Lot: 529943) - continued								
HK0715314-021	C2(NM5) MF	PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	0.0
		PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	0.0
EP-065B: Organochlorine Pesticides (QC Lot: 529942)								
HK0715314-001	MPB1 ME	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0
EP-065B: Organochlorine Pesticides (QC Lot: 529943)								
HK0715314-021	C2(NM5) MF	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529942)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	10 µg/L	106	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	10 µg/L	96.4	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	10 µg/L	91.4	----	50	130	----	----
PCB 52	35693-99-3	0.01	µg/L	<0.01	10 µg/L	94.3	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	10 µg/L	107	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	10 µg/L	112	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	10 µg/L	96.3	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	10 µg/L	115	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	10 µg/L	95.8	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	10 µg/L	106	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	10 µg/L	98.9	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	10 µg/L	91.0	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	10 µg/L	106	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	10 µg/L	97.4	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	10 µg/L	102	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	10 µg/L	98.4	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	10 µg/L	104	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	10 µg/L	117	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	10 µg/L	98.9	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	10 µg/L	97.6	----	50	130	----	----
EP-065A: PCB Single Congeners (QCLot: 529943)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	10 µg/L	111	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	10 µg/L	92.1	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	10 µg/L	103	----	50	130	----	----

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529943) - continued											
PCB 52	35693-99-3	0.01	µg/L	<0.01	10 µg/L	103	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	10 µg/L	113	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	10 µg/L	112	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	10 µg/L	100	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	10 µg/L	93.2	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	10 µg/L	90.6	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	10 µg/L	108	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	10 µg/L	100	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	10 µg/L	117	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	10 µg/L	111	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	10 µg/L	103	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	10 µg/L	96.3	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	10 µg/L	108	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	10 µg/L	89.2	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	10 µg/L	91.1	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	10 µg/L	96.5	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	10 µg/L	91.7	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529942)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	10 µg/L	99.2	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529943)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	10 µg/L	112	----	50	130	----	----

Surrogate Control Limits

Submatrix Type: MARINE WAT

Method: Analysis Description	Units	Lower Limit	Upper Limit
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate			
Decachlorobiphenyl	%	50	130
Tetrachlorometaxylene	%	50	130
Dibutylchlorendate	%	50	130

CERTIFICATE OF ANALYSIS

Client	: **ERM HONG KONG**	*Laboratory*	: **ALS Technichem (HK) Pty Ltd**	*Page*	: **1 of 9**		
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Project	: **AVIATION FUEL FACILITIES**	*Quote number*	: **----**	*Date received*	: **26 Oct 2007**		
Order number	: **----**			*Date of issue*	: **19 Nov 2007**		
C-O-C number	: **----**			*No. of samples*	- *Received* : **24**		
Site	: **----**				- *Analysed* : **24**		

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715320 supersedes any previous reports with this reference. The completion date of analysis is 13 Nov 2007. 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 HK0715320 :

Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient 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:-*
Anh Ngoc Huynh	**Senior Chemist**	**Organics**

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EP-065A: PCB Single Congeners (QC Lot: 529945) - continued								
HK0715320-021	C2(NM5) MF	PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	0.0
		PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	0.0
EP-065B: Organochlorine Pesticides (QC Lot: 529944)								
HK0715320-001	MPB1 ME	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0
EP-065B: Organochlorine Pesticides (QC Lot: 529945)								
HK0715320-021	C2(NM5) MF	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529944)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	10 µg/L	100	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	10 µg/L	115	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	10 µg/L	95.8	----	50	130	----	----
PCB 52	35693-99-3	0.01	µg/L	<0.01	10 µg/L	108	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	10 µg/L	92.3	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	10 µg/L	111	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	10 µg/L	103	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	10 µg/L	109	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	10 µg/L	103	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	10 µg/L	87.9	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	10 µg/L	94.4	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	10 µg/L	109	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	10 µg/L	95.6	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	10 µg/L	98.1	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	10 µg/L	97.0	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	10 µg/L	95.2	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	10 µg/L	106	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	10 µg/L	90.4	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	10 µg/L	87.1	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	10 µg/L	116	----	50	130	----	----
EP-065A: PCB Single Congeners (QCLot: 529945)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	10 µg/L	105	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	10 µg/L	108	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	10 µg/L	109	----	50	130	----	----

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529945) - continued											
PCB 52	35693-99-3	0.01	µg/L	<0.01	10 µg/L	95.6	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	10 µg/L	98.5	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	10 µg/L	103	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	10 µg/L	108	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	10 µg/L	96.1	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	10 µg/L	99.2	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	10 µg/L	100	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	10 µg/L	96.9	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	10 µg/L	118	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	10 µg/L	107	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	10 µg/L	111	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	10 µg/L	101	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	10 µg/L	97.6	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	10 µg/L	110	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	10 µg/L	98.7	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	10 µg/L	91.9	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	10 µg/L	92.0	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529944)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	10 µg/L	107	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529945)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	10 µg/L	117	----	50	130	----	----

Surrogate Control Limits

Submatrix Type: MARINE WAT

Method: Analysis Description	Units	Lower Limit	Upper Limit
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate			
Decachlorobiphenyl	%	50	130
Tetrachlorometaxylene	%	50	130
Dibutylchlorendate	%	50	130

CERTIFICATE OF ANALYSIS

Client	: **ERM HONG KONG**	*Laboratory*	: **ALS Technichem (HK) Pty Ltd**	*Page*	: **1 of 8**		
Contact	: **MR BILL TSANG**	*Contact*	: **Alice Wong**	*Work Order*	: **HK0715326**		
Address	: **21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG**				
E-mail	: **Bill.Tsang@erm.com**	*E-mail*	: **Alice.Wong@alsenviro.com**				
Telephone	: **2271 3171**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **2723 5660**	*Facsimile*	: **+852 2610 2021**				
Project	: **AVIATION FUEL FACILITIES**	*Quote number*	: **----**	*Date received*	: **28 Oct 2007**		
Order number	: **----**			*Date of issue*	: **19 Nov 2007**		
C-O-C number	: **----**			*No. of samples*	- *Received* : **24**		
Site	: **----**				- *Analysed* : **24**		

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715326 supersedes any previous reports with this reference. The completion date of analysis is 8 Nov 2007. 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 HK0715326 : **Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.**
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient 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:-*
Anh Ngoc Huynh	**Senior Chemist**	**Organics**

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529803)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	5 µg/L	114	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	5 µg/L	98.5	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	5 µg/L	112	----	50	130	----	----
PCB 52	35693-99-3	0.01	µg/L	<0.01	5 µg/L	98.0	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	5 µg/L	115	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	5 µg/L	91.9	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	5 µg/L	110	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	5 µg/L	101	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	5 µg/L	90.2	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	5 µg/L	116	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	5 µg/L	97.8	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	5 µg/L	97.7	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	5 µg/L	90.9	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	5 µg/L	92.8	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	5 µg/L	95.1	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	5 µg/L	102	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	5 µg/L	98.6	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	5 µg/L	101	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	5 µg/L	102	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	5 µg/L	93.7	----	50	130	----	----
EP-065A: PCB Single Congeners (QCLot: 529804)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	5 µg/L	108	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	5 µg/L	104	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	5 µg/L	98.8	----	50	130	----	----
PCB 52	35693-99-3	0.01	µg/L	<0.01	5 µg/L	116	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	5 µg/L	112	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	5 µg/L	98.5	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	5 µg/L	113	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	5 µg/L	104	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	5 µg/L	96.0	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	5 µg/L	97.7	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	5 µg/L	91.6	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	5 µg/L	107	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	5 µg/L	110	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	5 µg/L	91.6	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	5 µg/L	92.2	----	50	130	----	----

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529804) - continued											
PCB 156	38380-08-4	0.01	µg/L	<0.01	5 µg/L	106	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	5 µg/L	93.1	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	5 µg/L	107	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	5 µg/L	97.0	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	5 µg/L	104	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529803)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	5 µg/L	91.2	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529804)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	5 µg/L	93.2	----	50	130	----	----

Surrogate Control Limits

Submatrix Type: MARINE WAT

Method: Analysis Description	Units	Lower Limit	Upper Limit
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate			
Decachlorobiphenyl	%	50	130
Tetrachlorometaxylene	%	50	130
Dibutylchlorendate	%	50	130

CERTIFICATE OF ANALYSIS

Client	: **ERM HONG KONG**	*Laboratory*	: **ALS Technichem (HK) Pty Ltd**	*Page*	: **1 of 9**		
Contact	: **MR BILL TSANG**	*Contact*	: **Alice Wong**	*Work Order*	: **HK0715330**		
Address	: **21/F, LINCOLN HOUSE, 979 KING'S ROAD, TAIKOO PLACE, ISLAND EAST, HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong HONG KONG**				
E-mail	: **Bill.Tsang@erm.com**	*E-mail*	: **Alice.Wong@alsenviro.com**				
Telephone	: **2271 3171**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **2723 5660**	*Facsimile*	: **+852 2610 2021**				
Project	: **AVIATION FUEL FACILITIES**	*Quote number*	: **----**	*Date received*	: **30 Oct 2007**		
Order number	: **----**			*Date of issue*	: **19 Nov 2007**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**24**
Site	: **----**				- *Analysed*	:	**24**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0715330 supersedes any previous reports with this reference. The completion date of analysis is 10 Nov 2007. 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 HK0715330 :

Project Name: Baseline water quality monitoring for permanent Aviation Fuel Facilities.
Sample(s) were picked up from client by ALS Technichem (HK) staff in an ambient 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:-*
Anh Ngoc Huynh	**Senior Chemist**	**Organics**

Matrix Type: WATER				Duplicate (DUP) Results				
Laboratory Sample ID	Client Sample ID	Method: Analysis Description	CAS number	LOR	Units	Original Result	Duplicate Result	RPD (%)
EP-065A: PCB Single Congeners (QC Lot: 529947) - continued								
HK0715330-021	C2(NM5) MF	PCB 180	35065-29-3	0.01	µg/L	<0.01	<0.01	0.0
		PCB 169	60044-26-0	0.01	µg/L	<0.01	<0.01	0.0
		PCB 170	35065-30-6	0.01	µg/L	<0.01	<0.01	0.0
		PCB 195	52663-78-2	0.01	µg/L	<0.01	<0.01	0.0
EP-065B: Organochlorine Pesticides (QC Lot: 529946)								
HK0715330-001	MPB1 ME	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0
EP-065B: Organochlorine Pesticides (QC Lot: 529947)								
HK0715330-021	C2(NM5) MF	4.4'-DDT	50-29-3	0.01	µg/L	<0.01	<0.01	0.0

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529946)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	5 µg/L	100	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	5 µg/L	116	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	5 µg/L	108	----	50	130	----	----
PCB 52	35693-99-3	0.01	µg/L	<0.01	5 µg/L	97.0	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	5 µg/L	103	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	5 µg/L	116	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	5 µg/L	93.6	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	5 µg/L	90.4	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	5 µg/L	97.4	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	5 µg/L	106	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	5 µg/L	97.1	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	5 µg/L	104	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	5 µg/L	96.5	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	5 µg/L	94.9	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	5 µg/L	92.6	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	5 µg/L	98.1	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	5 µg/L	92.3	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	5 µg/L	102	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	5 µg/L	97.5	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	5 µg/L	102	----	50	130	----	----
EP-065A: PCB Single Congeners (QCLot: 529947)											
PCB 8	34883-43-7	0.01	µg/L	<0.01	5 µg/L	120	----	50	130	----	----
PCB 18	37680-65-2	0.01	µg/L	<0.01	5 µg/L	94.9	----	50	130	----	----
PCB 28	7012-37-5	0.01	µg/L	<0.01	5 µg/L	102	----	50	130	----	----

Matrix Type: WATER		Method Blank (MB) Results			Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Analysis Description	CAS number	LOR	Units	Result	Concentration	SCS	DCS	Low	High	Value	Control Limit
EP-065A: PCB Single Congeners (QCLot: 529947) - continued											
PCB 52	35693-99-3	0.01	µg/L	<0.01	5 µg/L	96.4	----	50	130	----	----
PCB 44	41464-39-5	0.01	µg/L	<0.01	5 µg/L	95.2	----	50	130	----	----
PCB 66	32598-10-0	0.01	µg/L	<0.01	5 µg/L	115	----	50	130	----	----
PCB 101	37680-73-2	0.01	µg/L	<0.01	5 µg/L	95.8	----	50	130	----	----
PCB 77	32598-13-3	0.01	µg/L	<0.01	5 µg/L	108	----	50	130	----	----
PCB 149	38380-04-0	0.01	µg/L	<0.01	5 µg/L	102	----	50	130	----	----
PCB 118	31508-00-6	0.01	µg/L	<0.01	5 µg/L	95.2	----	50	130	----	----
PCB 153	35065-27-1	0.01	µg/L	<0.01	5 µg/L	115	----	50	130	----	----
PCB 105	32598-14-4	0.01	µg/L	<0.01	5 µg/L	111	----	50	130	----	----
PCB 126	57465-28-8	0.01	µg/L	<0.01	5 µg/L	105	----	50	130	----	----
PCB 187	52663-68-0	0.01	µg/L	<0.01	5 µg/L	90.9	----	50	130	----	----
PCB 128	38380-07-3	0.01	µg/L	<0.01	5 µg/L	103	----	50	130	----	----
PCB 156	38380-08-4	0.01	µg/L	<0.01	5 µg/L	90.1	----	50	130	----	----
PCB 180	35065-29-3	0.01	µg/L	<0.01	5 µg/L	92.4	----	50	130	----	----
PCB 169	60044-26-0	0.01	µg/L	<0.01	5 µg/L	114	----	50	130	----	----
PCB 170	35065-30-6	0.01	µg/L	<0.01	5 µg/L	120	----	50	130	----	----
PCB 195	52663-78-2	0.01	µg/L	<0.01	5 µg/L	105	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529946)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	5 µg/L	110	----	50	130	----	----
EP-065B: Organochlorine Pesticides (QCLot: 529947)											
4.4'-DDT	50-29-3	0.01	µg/L	<0.01	5 µg/L	108	----	50	130	----	----

Surrogate Control Limits

Submatrix Type: MARINE WAT

Method: Analysis Description	Units	Lower Limit	Upper Limit
EP-065S: PCB Congeners and Organochlorine Pesticides Surrogate			
Decachlorobiphenyl	%	50	130
Tetrachlorometaxylene	%	50	130
Dibutylchlorendate	%	50	130

Annex F

Baseline POPs Monitoring Results

Annex F1 - Results of POPs Monitoring for 24 October 2007

Parameter	Units	LOR	Mid-ebb											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Units	LOR	Mid-flood											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Annex F2 - Results of POPs Monitoring for 26 October 2007

Parameter	Units	LOR	Mid-ebb											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Units	LOR	Mid-flood											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Annex F3 - Results of POPs Monitoring for 28 October 2007

Parameter	Units	LOR	Mid-ebb											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Units	LOR	Mid-flood											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Annex F4 - Results of POPs Monitoring for 30 October 2007

Parameter	Units	LOR	Mid-ebb											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	4.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	6.85	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Parameter	Units	LOR	Mid-flood											
			C1		C2		C3		MP1		MP2		MP	
			R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
PCB Single Congeners														
PCB 8	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 18	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 28	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 52	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 44	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 66	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 101	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 77	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 149	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 118	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 153	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 105	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 126	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 187	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 128	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 156	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 180	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 169	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 170	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PCB 195	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total PCBs	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatics Hydrocarbons (PAHs)														
3-Methylcholanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.12-Dimethylbenz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g.h.i)perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coronene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenz(a.h)anthracene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1.2.3.cd)pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-2-Fluorenyl Acetamide	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perylene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total PAHs	µg/L	2.25	<2.25	<2.25	<2.25	<2.25	<0.1	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25	<2.25
Dichloro-diphenyl-trichloroethane (DDT)														
Dichloro-diphenyl-trichloroethane (DDT)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Annex G

Soft Copy of Water Quality Monitoring Results (as CD-ROM)

Annex H

Response to Comments on the Baseline Monitoring Report

Ref.	Department	Reference	Comments	The Consultant's Response
1.	Matthew CHAN, RAG/EAD Environmental Protection Department, 6.12.2007		Environmental Permit (EP) (No. *EP-262/2007/A*) Condition 5.2	-
2.			S.3.3.2 - As water samples were collected at three depths, it seems that some POPs data were not included in the report. Please clarify.	For POPs analysis, water samples collected at 3 water depths were combined into one mixed, composite sample for laboratory testing. This complied with the method stated in EM&A Manual. To clarify this, we have inserted the following text into para.4 of S.2.4.1 of the revised Baseline Monitoring Report: "*For POPs analysis, each parameter will be analysed by combining samples of three depths into one mixed, composite sample. The Quality Assurance / Quality Control (QA/QC) details were in accordance with requirements of HOKLAS or another internationally accredited scheme (details refer to Annex E).*"
3.			Annex F - As for DDTs monitoring, please include both 4,4' -DDT and its metabolites (4,4' -DDD and 4,4'-DDE) in order to give the results of Total DDTs.	There has been a confusion of the DDT parameters in the testing laboratory during the baseline monitoring. Upon receipt on the POPs monitoring results, only 4,4' –DDT was tested but not its metabolites. We feel confident that the results of 4,4' –DDT were representative enough since 4,4' –DDT comprises 77% of the total, commercial DDT mixture. Moreover, levels of DDT during baseline monitoring were below detection limit (0.01 ug/L). For future impact POPs monitoring, 4,4' -DDT and its metabolites (4,4' -DDD and 4,4'-DDE) will be tested and presented in the respective Monthly EM&A reports. We will review other relevant DDT results from other studies (eg EPD routine marine monitoring programme, EM&A programme of East Sha Chau) to keep track of any exceedance of Action Limit Levels of DDTs parameters around the Project Area.
4.			Please include a soft copy of all monitoring data as an annex to the report.	Noted. A soft copy will be provided as annex of the report in the revised Baseline Monitoring Report.
5.			According to the updated EM&A Manual submitted on 18.10.2007, baseline landscape monitoring will be conducted. Please clarify how and when the baseline monitoring report for landscape will be submitted.	The baseline monitoring for landscape was carried out. Please refer to the following: • LCAL Letter ref: *H2104/S4/2823/BG/DH/MT/pl* dated 12 May 2006 (which also contains the Tree Survey Report) • Hyder Letter ref: *999-04/E06-26423* dated 17 May 2006 • LCAL Letter ref: *H2104/S4/3213/BG/DH/MT/pl* dated 19 May 2006 • Hyder Letter ref: *999-04/E06-33634* ICE certificate

Annex I

Notification of Exceedances

Facsimile
message

Environmental
Resources
Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3102
Facsimile: (852) 2723 5660
E-mail: marcus.ip@erm.com

faxed @ 27 Dec 07

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
Copied to	
From	Craig Reid
Ref/Project number	*0018105_NOE_20071227.doc*
Subject	Notification of Exceedance for Water Quality
Date	27 December 2007

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) (Log no.: 0018105_18 Dec 07_Turb_F_Station MP, 0018105_18 Dec 07_Turb_E_Station MPB1, 0018105_18 Dec 07_Turb_E_Station MPB2, 0018105_18 Dec 07_Turb_E_Station MP, 0018105_19 Dec 07_Turb_E_Station IMO1, 0018105_19 Dec 07_Turb_E_Station MPB1, 0018105_19 Dec 07_Turb_E_Station MPB2, 0018105_19 Dec 07_Turb_E_Station MP, 0018105_19 Dec 07_Turb_F_Station IMO1, 0018105_19 Dec 07_Turb_F_Station MPB2,) recorded on 18 and 19 December 2007.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

Proposed 132kV Submarine Cable Route for Airport "A" to Castle Peak CCTS

Notification of Exceedance

Log No.	0018105_18 Dec 07_Turb_F_Station MP [Total No. of Exceedances = 1]	
Date	18 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Station MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.8 NTU
	Mid-Flood	15.0 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MP - 7.78 NTU
	Mid-Flood	Station MP - 20.30 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 18 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December (when no dredging was undertaken), whose value was comparable to that of 18 December 2008 • Suspended Solids (SS) Levels of all Impact Stations were far below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

Proposed 132kV Submarine Cable Route for Airport "A" to Castle Peak CCTS

Notification of Exceedance

Log No.	**0018105_18 Dec 07_Turb_E_Station MPB1** **0018105_18 Dec 07_Turb_E_Station MPB2** **0018105_18 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 3]**	
Date	18 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.8
	Mid-Flood	15.0
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 8.63 NTU (exceeds Action Level) Station MPB2 – 7.20 NTU (exceeds Action Level) Station MP – 7.78 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 8.82 NTU Station MPB2 – 5.88 NTU Station MP – 20.30 NTU
Construction Works Undertaken (at the time of monitoring event)	On 18 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 1007 (when no dredging was undertaken), whose value was comparable to that of 18 December 2008 • Suspended Solids (SS) Levels of all Impact Stations were far below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

Proposed 132kV Submarine Cable Route for Airport "A" to Castle Peak CCTS

Notification of Exceedance

Log No.		**0018105_19 Dec 07_Turb_E_Station IMO1** **0018105_19 Dec 07_Turb_E_Station MPB1** **0018105_19 Dec 07_Turb_E_Station MPB2** **0018105_19 Dec 07_Turb_E_Station MP** **Total No. of Exceedances = 4**
Date		19 December 2007 (Measured) 24 December 2007 (Result received by ERM)
Monitoring Station		Stations IMO1, MPB1, MPB2, MP
Parameter		Depth-averaged Turbidity (NTU)
Action Levels	*Mid-Ebb*	5.5 NTU
	Mid-Flood	7.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 9.05 NTU (exceeds Action Level) Station MPB1 – 5.72 NTU (exceeds Action Level) Station MPB2 – 5.98 NTU (exceeds Action Level) Station MP – 9.25 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 8.58 NTU Station MPB1 – 5.83 NTU Station MPB2 – 7.97 NTU Station MP – 7.05 NTU
Construction Works Undertaken (at the time of monitoring event)		On 19 December, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than that of 19 December 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

Proposed 132kV Submarine Cable Route for Airport "A" to Castle Peak CCTS

Notification of Exceedance

Log No.	0018105_19 Dec 07_Turb_F_Station IMO1 0018105_19 Dec 07_Turb_F_Station MPB2 Total No. of Exceedances = 2	
Date	19 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Stations IMO1, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.5 NTU
	Mid-Flood	7.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 9.05 NTU Station MPB2 – 5.98 NTU
	Mid-Flood	Station IMO1 – 8.58 NTU (exceeds Action Level) Station MPB2 – 7.97 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 19 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than that of 19 December 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	12/18/07
Weather & Ambient Temperature	Sunny, 23C

Mid Flood

Station	C1 (NM3)							
Time (hh:mm)	13:06-13:09							
Water Depth (m)	16.99							
Monitoring Depth (m)	1.00		7.99		14.99			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.1	21.9	21.8	21.7	20.8	21.68	-
Salinity (ppt)	39.5	39.0	40.6	39.9	40.1	40.5	39.93	-
pH	8.0	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	99.4	103.5	102.1	99.9	99.8	103.8	101.08	-
D.O. (mg/L)	6.9	7.2	7.1	6.9	7.0	7.3	7.05	7.15
Turbidity (NTU)	3.2	2.7	9.1	9.5	15.0	15.5	9.17	-
SS (mg/L)	4.0	5.0	10.0	14.0	13.0	16.0	10.33	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	14:30-14:32							
Water Depth (m)	7.15							
Monitoring Depth (m)	1.00		3.57		6.15			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.9	21.8	21.7	21.9	21.9	21.85	-
Salinity (ppt)	38.7	39.3	39.8	40.3	40.0	40.1	39.55	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	98.9	100.0	100.2	99.4	103.5	99.2	100.20	-
D.O. (mg/L)	6.9	7.0	7.0	6.9	7.2	6.9	6.98	7.03
Turbidity (NTU)	9.6	9.8	15.5	15.6	18.5	16.7	13.95	-
SS (mg/L)	5.0	6.0	8.0	8.0	13.0	13.0	8.83	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:26-13:29						Northing	Easting
Water Depth (m)	16.31						22 21 632	113 54.565
Monitoring Depth (m)	1.00		8.16		15.31			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	22.0	21.4	20.9	21.6	21.8	21.60	-
Salinity (ppt)	38.3	38.0	40.8	41.3	41.1	41.3	40.10	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	88.8	89.7	88.8	89.5	87.4	87.5	88.45	-
D.O. (mg/L)	6.2	6.3	6.2	6.2	6.1	6.1	6.17	6.05
Turbidity (NTU)	4.2	4.1	9.1	10.8	28.9	30.1	14.53	-
SS (mg/L)	5.0	5.0	7.0	6.0	9.0	10.0	7.00	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:37-13:39						Northing	Easting
Water Depth (m)	10.44						22 21 164	113 54.649
Monitoring Depth (m)	1.00		5.22		9.44			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	22.1	21.6	21.5	21.1	21.6	21.63	-
Salinity (ppt)	38.9	38.5	39.0	39.4	39.5	39.3	39.09	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	93.9	91.5	90.1	89.7	92.0	93.5	90.78	-
D.O. (mg/L)	6.4	6.4	6.3	6.3	6.5	6.3	6.37	6.42
Turbidity (NTU)	6.4	6.5	14.8	13.3	20.9	22.0	13.98	-
SS (mg/L)	4.0	5.0	5.0	7.0	18.0	18.0	9.67	-
Remarks								

Station	MPB1							
Time (hh:mm)	14:03-14:05							
Water Depth (m)	8.04							
Monitoring Depth (m)	1.00		4.02		7.04			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	21.4	21.6	21.4	21.5	21.61	-
Salinity (ppt)	37.3	37.4	38.8	39.0	40.5	40.4	38.88	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.91	
D.O. Saturation (%)	90.4	89.3	89.8	89.2	90.7	90.2	89.77	-
D.O. (mg/L)	6.4	6.3	6.3	6.3	6.3	6.3	6.31	6.32
Turbidity (NTU)	4.5	4.5	9.3	9.1	12.9	12.6	8.82	-
SS (mg/L)	7.0	5.0	5.0	5.0	8.0	7.0	6.17	-
Remarks								

Station	MPB2							
Time (hh:mm)	14:12-14:14							
Water Depth (m)	8.93							
Monitoring Depth (m)	1.00		4.46		7.93			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.0	21.7	21.6	21.6	21.7	21.76	-
Salinity (ppt)	37.0	38.7	38.5	39.0	39.5	39.0	38.25	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.93	
D.O. Saturation (%)	90.9	91.3	90.6	90.5	91.8	93.1	91.37	-
D.O. (mg/L)	6.4	6.5	6.4	6.4	6.4	6.5	6.43	6.48
Turbidity (NTU)	4.1	3.9	5.2	5.8	8.1	8.2	5.88	-
SS (mg/L)	6.0	5.0	8.0	5.0	6.0	6.0	6.00	-
Remarks								

Station	MP							
Time (hh:mm)	13:53-13:54							
Water Depth (m)	5.79							
Monitoring Depth (m)	1.00		2.89		4.79			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.9	-	-	21.8	21.9	21.94	-
Salinity (ppt)	35.9	36.5	-	-	38.3	38.3	37.24	-
pH	7.8	7.8	-	-	7.9	8.0	7.89	
D.O. Saturation (%)	93.0	92.1	-	-	95.5	91.9	93.13	-
D.O. (mg/L)	6.6	6.5	-	-	6.7	6.4	6.57	6.58
Turbidity (NTU)	10.8	10.4	-	-	29.1	30.9	20.30	-
SS (mg/L)	8.0	6.0	-	-	14.0	12.0	10.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2			MPB1	MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	15.0	NA	N	NA	N	NA	N	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	12.5	12.5	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/19/07
Weather & Ambient Temperature	Cloudy, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	8:03-8:05							
Water Depth (m)	20.65							
Monitoring Depth (m)	1.00		10.33		19.65			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.6	20.3	21.6	20.3	21.6	21.15	-
Salinity (ppt)	40.4	40.9	45.8	44.4	46.0	45.0	43.75	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	94.0	93.3	92.1	92.6	93.0	96.2	93.53	-
D.O. (mg/L)	6.6	6.5	6.4	6.3	6.4	6.5	6.44	6.47
Turbidity (NTU)	4.8	3.9	3.6	3.9	4.5	4.7	4.23	-
SS (mg/L)	8.0	5.0	7.0	7.0	6.0	4.0	5.83	-
Remarks								

Station	MPB1							
Time (hh:mm)	8:26-8:27							
Water Depth (m)	7.87							
Monitoring Depth (m)	1.00		3.94		6.87			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.4	21.6	21.6	21.6	21.6	21.63	-
Salinity (ppt)	40.5	41.4	44.2	43.6	44.4	45.0	43.17	-
pH	7.9	7.9	8.0	8.0	8.0	7.9	7.95	
D.O. Saturation (%)	91.4	93.0	94.1	92.1	93.2	98.1	93.65	-
D.O. (mg/L)	6.3	6.5	6.4	6.3	6.3	6.7	6.41	6.50
Turbidity (NTU)	5.5	5.4	5.5	5.3	6.1	6.5	5.72	-
SS (mg/L)	7.0	10.0	8.0	9.0	6.0	7.0	7.83	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	7:42-7:43						Northing	Easting
Water Depth (m)	13.59						22.21.628	113.54.492
Monitoring Depth (m)	1.00		6.80		12.59			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.4	22.4	21.9	22.4	21.7	21.9	22.11	-
Salinity (ppt)	36.5	36.3	40.6	39.8	41.4	41.6	39.37	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	98.7	98.7	97.2	98.3	98.7	100.0	98.60	-
D.O. (mg/L)	6.9	6.9	6.7	6.8	6.8	6.88	6.85	6.85
Turbidity (NTU)	6.5	6.1	8.6	8.7	12.4	12.0	9.05	-
SS (mg/L)	4.0	5.0	6.0	4.0	7.0	10.0	7.50	-
Remarks								

Station	MPB2							
Time (hh:mm)	8:33 8:34							
Water Depth (m)	8.86							
Monitoring Depth (m)	1.00		4.43		7.86			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.4	20.2	21.5	21.5	22.2	21.48	-
Salinity (ppt)	41.1	41.6	43.9	42.6	43.4	42.4	42.52	-
pH	8.0	7.9	7.9	8.0	7.9	8.0	7.94	
D.O. Saturation (%)	91.7	92.8	94.2	92.2	95.5	92.2	93.10	-
D.O. (mg/L)	6.3	6.4	6.6	6.4	6.5	6.3	6.42	6.41
Turbidity (NTU)	6.1	6.0	5.8	6.1	5.8	6.1	5.98	-
SS (mg/L)	7.0	6.0	7.0	7.0	6.0	8.0	6.83	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	7:31-7:32						Northing	Easting
Water Depth (m)	11.06						22.21.142	113.54.814
Monitoring Depth (m)	1.00		5.53		10.06			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	20.4	22.4	21.8	21.9	21.72	-
Salinity (ppt)	39.6	39.6	41.8	39.8	41.9	41.0	40.61	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	102.7	104.8	107.3	101.8	107.9	102.2	104.45	-
D.O. (mg/L)	7.2	7.3	7.6	7.0	7.4	7.05	7.25	7.24
Turbidity (NTU)	3.7	3.8	5.2	5.1	6.6	6.7	5.18	-
SS (mg/L)	5.0	3.0	5.0	5.0	6.0	4.0	4.67	-
Remarks								

Station	MP							
Time (hh:mm)	8:16-8:19							
Water Depth (m)	5.42							
Monitoring Depth (m)	1.00		2.71		4.42			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.4	-	-	21.5	21.4	21.41	-
Salinity (ppt)	41.7	41.3	-	-	42.4	43.3	42.18	-
pH	7.9	8.0	-	-	7.9	7.9	7.93	
D.O. Saturation (%)	97.5	94.1	-	-	95.1	100.5	96.80	-
D.O. (mg/L)	6.8	6.6	-	-	6.6	6.9	6.70	6.73
Turbidity (NTU)	9.4	9.6	-	-	9.0	9.0	9.25	-
SS (mg/L)	11.0	9.0	-	-	13.0	13.0	11.50	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.5	6.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.4	6.4	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.5	NA	Y	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/10/07
Weather & Ambient Temperature	Sunny, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:01-14:03							
Water Depth (m)	16.46							
Monitoring Depth (m)	1.00		8.23		15.46			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.6	21.6	21.5	21.5	21.57	-
Salinity (ppt)	47.3	47.8	47.6	48.3	49.2	48.1	48.03	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	95.0	95.5	94.7	95.8	99.4	95.6	96.00	-
D.O. (mg/L)	6.4	6.4	6.3	6.4	6.6	6.4	6.40	6.48
Turbidity (NTU)	5.9	5.2	5.5	6.0	7.2	7.7	6.23	-
SS (mg/L)	11.0	8.0	10.0	8.0	9.0	8.0	8.67	-
Remarks								

Station	C2 (NM6)							
Time (hh:mm)	12:35-12:36							
Water Depth (m)	6.65							
Monitoring Depth (m)	1.00		3.33		5.65			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.9	21.8	20.4	21.9	21.8	21.59	-
Salinity (ppt)	39.3	39.2	39.3	41.1	40.4	39.8	39.85	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.92	
D.O. Saturation (%)	106.7	103.1	104.9	109.2	106.0	105.9	106.30	-
D.O. (mg/L)	7.5	7.2	7.3	7.7	7.5	7.4	7.43	7.43
Turbidity (NTU)	4.8	4.5	5.0	5.4	5.7	5.4	5.13	-
SS (mg/L)	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:28-13:30						Northing	Easting
Water Depth (m)	16.77						22,21,627	113,54,902
Monitoring Depth (m)	1.00		8.38		15.77			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.3	21.8	21.8	22.4	22.2	21.6	21.86	-
Salinity (ppt)	44.9	44.5	45.7	48.0	47.3	47.3	45.94	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.02	
D.O. Saturation (%)	91.9	92.1	90.3	89.9	91.1	94.7	91.67	-
D.O. (mg/L)	6.3	6.2	6.1	6.0	6.0	6.3	6.15	6.18
Turbidity (NTU)	4.2	4.5	7.7	8.1	13.7	13.3	8.58	-
SS (mg/L)	5.0	4.0	6.0	6.0	9.0	7.0	6.17	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:37-13:39						Northing	Easting
Water Depth (m)	10.47						22,21,183	113,54,640
Monitoring Depth (m)	1.00		5.23		9.47			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.9	20.6	21.7	21.7	21.58	-
Salinity (ppt)	45.0	45.1	45.5	46.7	47.2	47.5	46.16	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	94.9	94.0	93.0	95.9	91.9	97.8	94.58	-
D.O. (mg/L)	6.4	6.3	6.3	6.5	6.1	6.5	6.37	6.34
Turbidity (NTU)	4.3	4.4	6.7	6.6	10.1	10.5	7.13	-
SS (mg/L)	5.0	4.0	8.0	6.0	6.0	4.0	5.50	-
Remarks								

Station	MPB1							
Time (hh:mm)	13:03-13:04							
Water Depth (m)	8.17							
Monitoring Depth (m)	1.00		4.08		7.17			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.3	21.6	21.7	21.7	22.3	21.6	21.53	-
Salinity (ppt)	40.7	39.6	40.8	40.8	40.3	41.0	40.53	-
pH	7.9	7.9	7.9	8.0	8.0	7.9	7.95	
D.O. Saturation (%)	94.7	95.1	97.0	93.6	93.3	96.0	95.28	-
D.O. (mg/L)	6.7	6.7	6.7	6.5	6.4	6.8	6.64	6.61
Turbidity (NTU)	5.8	5.8	5.9	5.6	6.0	6.1	5.93	-
SS (mg/L)	8.0	8.0	7.0	6.0	7.0	8.0	6.67	-
Remarks								

Station	MPB2							
Time (hh:mm)	12:53-12:55							
Water Depth (m)	8.70							
Monitoring Depth (m)	1.00		4.35		7.70			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.7	21.8	21.9	20.3	20.3	21.26	-
Salinity (ppt)	37.1	37.4	38.0	37.9	42.6	42.7	39.26	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.95	
D.O. Saturation (%)	101.7	100.2	100.5	103.6	105.5	101.9	102.23	-
D.O. (mg/L)	7.2	7.1	7.1	7.3	7.4	7.2	7.21	7.23
Turbidity (NTU)	6.9	7.3	8.1	8.3	8.5	8.7	7.97	-
SS (mg/L)	8.0	8.0	8.0	8.0	9.0	8.0	7.50	-
Remarks								

Station	MP							
Time (hh:mm)	13:12-13:13							
Water Depth (m)	5.62							
Monitoring Depth (m)	1.00		2.81		4.62			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.3	20.3	-	-	21.7	21.7	21.47	-
Salinity (ppt)	40.3	42.3	-	-	42.5	42.5	41.66	-
pH	7.9	7.9	-	-	7.9	7.9	7.94	
D.O. Saturation (%)	93.7	93.2	-	-	93.0	96.2	94.53	-
D.O. (mg/L)	6.5	6.6	-	-	6.4	6.8	6.54	6.62
Turbidity (NTU)	6.8	6.7	-	-	7.3	7.4	7.05	-
SS (mg/L)	10.0	7.0	-	-	8.0	8.0	7.75	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.0	7.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.9	6.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	7.4	NA	Y	NA	N	NA	N	NA	Y	NA	N	NA
SS (Depth-averaged)	24.0	37.0	5.6	5.6	N	N	N	N	N	N	N	N	N	N

Facsimile
message

Environmental
Resources
Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
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Facsimile: (852) 2723 5660
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Fax @ 2 Jan 2008

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
Copied to	
From	Craig Reid
Ref/Project number	*0018105_NOE_20080102.doc*
Subject	Notification of Exceedance for Water Quality
Date	2 January 2008

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0018105_20 Dec 07_Turb_E_Station MPB1	0018105_22 Dec 07_Turb_E_Station MPB2
0018105_20 Dec 07_Turb_E_Station MPB2	0018105_22 Dec 07_Turb_E_Station MP
0018105_20 Dec 07_Turb_E_Station MP	0018105_23 Dec 07_Turb_E_Station MPB1
0018105_20 Dec 07_Turb_F_Station IMO2	0018105_23 Dec 07_Turb_E_Station MPB2
0018105_21 Dec 07_Turb_E_Station IMO1	0018105_23 Dec 07_Turb_E_Station MP
0018105_21 Dec 07_Turb_E_Station IMO2	0018105_23 Dec 07_Turb_F_Station MPB1
0018105_21 Dec 07_Turb_E_Station MPB1	0018105_23 Dec 07_Turb_F_Station MPB2
0018105_21 Dec 07_Turb_E_Station MPB2	0018105_23 Dec 07_Turb_F_Station MP
0018105_21 Dec 07_Turb_E_Station MP	0018105_24 Dec 07_Turb_E_Station MPB1
0018105_21 Dec 07_Turb_SS_Station MPB2	0018105_24 Dec 07_Turb_E_Station MPB2
0018105_21 Dec 07_Turb_F_Station MPB2	0018105_24 Dec 07_Turb_E_Station MP
0018105_21 Dec 07_Turb_F_Station MP	0018105_24 Dec 07_Turb_F_Station MPB1
0018105_22 Dec 07_Turb_F_Station IMO2	0018105_24 Dec 07_Turb_F_Station MPB2
0018105_22 Dec 07_Turb_E_Station MPB1	0018105_24 Dec 07_Turb_F_Station MP

recorded from 20 December to 24 December 2007.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_20 Dec 07_Turb_E_Station MPB1** **0018105_20 Dec 07_Turb_E_Station MPB2** **0018105_20 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 3]**	
Date	20 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	StationsMPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.4 NTU
	Mid-Flood	7.3 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 5.77 NTU (exceeds Action Level) Station MPB2 – 6.92 NTU (exceeds Action Level) Station MP – 11.48 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 3.37 NTU Station MPB2 – 6.33 NTU Station MP – 3.30 NTU
Construction Works Undertaken (at the time of monitoring event)	On 20 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were higher than those of 20 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Monitoring was repeated during the flood tide at the same day and no exceedance of Depth-averaged Turbidity was found of these three Impact Stations The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_20 Dec 07_Turb_F_Station IMO2 (Total No. of Exceedances = 1)**	
Date	20 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Station IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.4 NTU
	Mid-Flood	7.3 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	4.18 NTU
	Mid-Flood	8.95 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 20 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were higher than those of 20 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_21 Dec 07_Turb_E_Station IMO1** **0018105_21 Dec 07_Turb_E_Station IMO2** **0018105_21 Dec 07_Turb_E_Station MPB1** **0018105_21 Dec 07_Turb_E_Station MPB2** **0018105_21 Dec 07_Turb_E_Station MP** **0018105_21 Dec 07_Turb_SS_Station MPB2** **[Total No. of Exceedances = 6]**
Date		21 December 2007 (Measured) 28 December 2007 (Result received by ERM)
Monitoring Station		StationsIMO1, IMO2, MPB1, MPB2, MP
Parameter		Depth-averaged Turbidity (NTU) Depth-averaged Suspended Solids (mg/L)
Action Levels	*Mid-Ebb*	Depth-averaged Turbidity = 6.2 NTU Depth-averaged Suspended Solids = 24.0 mg/L
	Mid-Flood	Depth-averaged Turbidity = 6.1 NTU Depth-averaged Suspended Solids = 24.0 mg/L
Limit Levels	*Mid-Ebb*	N/A for Depth-averaged Turbidity Depth-averaged Suspended Solids = 37.0 mg/L
	Mid-Flood	N/A for Depth-averaged Turbidity Depth-averaged Suspended Solids = 37.0 mg/L
Measured Levels	*Mid-Ebb*	Station IMO1 – 10.62 NTU (exceeds Action Level) Station IMO2 – 6.95 NTU (exceeds Action Level) Station MPB1 – 7.77 NTU (exceeds Action Level) Station MPB2 – 15.25 NTU (exceeds Action Level) , 24.5 mg/L (exceeds Action Level) Station MP – 21.40 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 - 4.95 NTU Station IMO2 - 8.32 NTU Station MPB1 – 4.40 NTU Station MPB2 – 6.45 NTU, 6.0 mg/L Station MP - 15.0 NTU
Construction Works Undertaken (at the time of monitoring event)		In the morning of 21 December, the construction works for the Project involved mainly dredging operations.

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_21 Dec 07_Turb_F_Station MPB2** **0018105_21 Dec 07_Turb_F_Station MP** **[Total No. of Exceedances = 2]**	
Date	21 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	6.2 NTU
	Mid-Flood	6.1 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB2 – 15.25 NTU Station MP – 21.40 NTU
	Mid-Flood	Station MPB2 – 6.45 NTU (exceeds Action Level) Station MP – 9.05 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	In the afternoon 21 December, there was no dredging operation undertaken for the Project.	
Possible Reason for Action or Limit Level Non-compliance	The exceedance was unlikely to be caused by the Project due to the following: • No marine works was undertaken for the Project • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 21 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were comparable to those of 21 December 2007 • Suspended Solids (SS) Levels of all Impact Stations (except Station MPB2) were below Action and Limit Levels during the same tide at the same day • Monitoring was repeated during the flood tide at the same day and no exceedance of Depth-averaged Suspended Solids was found of all Impact Stations The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken	No action is considered necessary.
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_22 Dec 07_Turb_E_Station MPB1** **0018105_22 Dec 07_Turb_E_Station MPB2** **0018105_22 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances =3]**	
Date	22 December 2007 (Measured) 28 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	6.3 NTU
	Mid-Flood	8.2 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 6.47 NTU (exceeds Action Level) Station MPB2 – 7.03 NTU (exceeds Action Level) Station MP – 9.60 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 4.07 NTU Station MPB2 – 7.03 NTU Station MP – 4.00 NTU
Construction Works Undertaken (at the time of monitoring event)	On 22 December, there was no dredging operation undertaken for the Project.	
Possible Reason for Action or Limit Level Non-compliance	The exceedance was unlikely to be caused by the Project due to the following: • No marine works was undertaken for the Project • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than those of 22 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_22 Dec 07_Turb_F_Station IMO2 Total No. of Exceedances = 1**	
Date	22 December 2007 (Measured) 28 December 2007 (Result received by ERM)	
Monitoring Station	Stations IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	6.3 NTU
	Mid-Flood	8.2 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	4.88 NTU
	Mid-Flood	8.50 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 22 December, there was no dredging operation undertaken for the Project.	
Possible Reason for Action or Limit Level Non-compliance	The exceedance was unlikely to be caused by the Project due to the following: • No marine works was undertaken for the Project • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than those of 22 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_23 Dec 07_Turb_E_Station MPB1** **0018105_23 Dec 07_Turb_E_Station MPB2** **0018105_23 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances =3]**	
Date	23 December 2007 (Measured) 28 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	14.2 NTU
	Mid-Flood	10.3 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 16.35 NTU (exceeds Action Level) Station MPB2 – 14.85 NTU (exceeds Action Level) Station MP – 15.45 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 16.72 NTU Station MPB2 –14.32 NTU Station MP – 14.15NTU
Construction Works Undertaken (at the time of monitoring event)	On 23 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were comparable to those of 23 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_23 Dec 07_Turb_F_Station MPB1** **0018105_23 Dec 07_Turb_F_Station MPB2** **0018105_23 Dec 07_Turb_F_Station MP** **[Total No. of Exceedances =3]**	
Date	23 December 2007 (Measured) 28 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	14.2 NTU
	Mid-Flood	10.3 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 16.35 NTU Station MPB2 – 14.85 NTU Station MP – 15.45 NTU
	Mid-Flood	Station MPB1 – 16.72 NTU (exceeds Action Level) Station MPB2 –14.32 NTU (exceeds Action Level) Station MP – 14.15NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 23 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were comparable to those of 23 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_24 Dec 07_Turb_E_Station MPB1** **0018105_24 Dec 07_Turb_E_Station MPB2** **0018105_24 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 3]**
Date		24 December 2007 (Measured) 31 December 2007 (Result received by ERM)
Monitoring Station		Stations MPB1, MPB2, MP
Parameter		Depth-averaged Turbidity (NTU)
Action Levels	*Mid-Ebb*	16.3 NTU
	Mid-Flood	16.7 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 18.55 NTU (exceeds Action Level) Station MPB2 – 18.22 NTU (exceeds Action Level) Station MP – 33.10 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 19.23 NTU Station MPB2 – 20.97 NTU Station MP – 31.95 NTU
Construction Works Undertaken (at the time of monitoring event)		On 24 December, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_24 Dec 07_Turb_F_Station MPB1** **0018105_24 Dec 07_Turb_F_Station MPB2** **0018105_24 Dec 07_Turb_F_Station MP** **[Total No. of Exceedances = 3]**	
Date	24 December 2007 (Measured) 31 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	16.3 NTU
	Mid-Flood	16.7 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 18.55 NTU Station MPB2 – 18.22 NTU Station MP – 33.10 NTU
	Mid-Flood	Station MPB1 – 19.23 NTU (exceeds Action Level) Station MPB2 – 20.97 NTU (exceeds Action Level) Station MP – 31.95 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 24 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	12/20/07
Weather & Ambient Temperature	Cloudy, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	9:22-9:23							
Water Depth (m)	19.75							
Monitoring Depth (m)	1.00		9.87		18.75			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	21.9	21.8	20.3	21.7	21.54	-
Salinity (ppt)	40.8	41.2	42.1	41.9	44.4	42.5	42.14	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	98.4	99.2	99.3	97.3	100.9	98.5	99.77	-
D.O. (mg/L)	6.8	6.9	6.8	6.7	7.0	6.8	6.82	6.89
Turbidity (NTU)	3.2	3.6	4.4	4.0	4.8	4.9	4.15	-
SS (mg/L)	6.0	4.0	4.0	6.0	7.0	10.0	6.17	-
Remarks								

Station	MPB1							
Time (hh:mm)	9:47-9:48							
Water Depth (m)	8.05							
Monitoring Depth (m)	1.00		4.03		7.05			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	19.9	21.5	21.5	21.6	21.6	20.98	-
Salinity (ppt)	42.6	43.2	42.5	41.9	45.2	44.2	43.27	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.94	
D.O. Saturation (%)	94.5	95.3	95.3	93.0	97.1	99.8	94.83	-
D.O. (mg/L)	6.7	6.7	6.6	6.4	6.6	6.4	6.57	6.49
Turbidity (NTU)	4.6	4.6	6.2	5.9	6.7	6.6	5.77	-
SS (mg/L)	4.0	4.0	4.0	4.0	4.0	5.0	4.17	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	9:03-9:04						Northing	Easting
Water Depth (m)	17.00						22,21,634	113 54.598
Monitoring Depth (m)	1.00		8.50		16.00			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.7	22.3	21.7	22.3	21.7	21.90	-
Salinity (ppt)	40.0	39.9	41.1	41.5	42.0	42.3	41.15	-
pH	7.9	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	100.1	98.4	101.4	97.8	101.5	98.1	99.55	-
D.O. (mg/L)	7.0	6.9	7.0	6.8	6.9	6.74	6.87	6.84
Turbidity (NTU)	2.4	2.4	2.8	2.7	2.9	3.0	2.72	-
SS (mg/L)	6.0	3.0	5.0	5.0	5.0	5.0	4.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	9:56-9:56							
Water Depth (m)	8.64							
Monitoring Depth (m)	1.00		4.32		7.64			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.5	21.5	20.1	21.6	21.5	21.26	-
Salinity (ppt)	41.7	42.3	43.0	43.7	43.0	44.5	43.02	-
pH	8.0	7.9	7.9	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	93.3	94.4	95.7	93.4	92.2	98.9	94.65	-
D.O. (mg/L)	6.5	6.5	6.6	6.6	6.3	6.7	6.53	6.53
Turbidity (NTU)	4.4	4.2	7.2	7.2	9.2	9.3	6.92	-
SS (mg/L)	4.0	3.0	5.0	5.0	5.0	4.0	4.00	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	8:54-8:56						Northing	Easting
Water Depth (m)	10.69						22,21,170	113.54.673
Monitoring Depth (m)	1.00		5.34		9.69			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.7	21.7	21.8	22.2	21.7	21.87	-
Salinity (ppt)	37.8	38.3	39.6	39.8	41.2	41.1	39.63	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	100.9	102.1	100.4	106.0	104.6	100.0	102.33	-
D.O. (mg/L)	7.1	7.2	7.0	7.4	7.2	6.92	7.13	7.05
Turbidity (NTU)	3.4	3.2	4.6	4.8	4.8	4.3	4.18	-
SS (mg/L)	9.0	8.0	7.0	5.0	8.0	6.0	6.83	-
Remarks								

Station	MP							
Time (hh:mm)	9:38-9:38							
Water Depth (m)	5.58							
Monitoring Depth (m)	1.00		2.79		4.58			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.4	-	-	21.4	19.9	21.05	-
Salinity (ppt)	41.9	42.5	-	-	43.2	45.4	43.25	-
pH	7.9	7.9	-	-	7.9	7.9	7.91	
D.O. Saturation (%)	97.1	102.7	-	-	97.9	110.2	101.98	-
D.O. (mg/L)	6.7	7.1	-	-	6.7	7.7	7.05	7.21
Turbidity (NTU)	10.5	11.3	-	-	12.1	12.0	11.48	-
SS (mg/L)	8.0	8.0	-	-	7.0	8.0	7.25	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1	MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.9	6.9	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.8	6.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.4	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	8.0	8.0	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/20/07
Weather & Ambient Temperature	Sunny, 23C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:41-14:42							
Water Depth (m)	16.36							
Monitoring Depth (m)	1.00		8.18		15.36			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	20.5	21.8	22.2	22.3	20.2	21.48	-
Salinity (ppt)	42.1	43.2	42.2	42.3	42.0	44.4	42.68	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	103.9	106.8	104.6	103.9	107.7	107.4	105.72	-
D.O. (mg/L)	7.1	7.5	7.2	7.1	7.3	7.5	7.28	7.41
Turbidity (NTU)	4.2	4.4	6.1	7.8	6.5	8.3	6.69	-
SS (mg/L)	7.0	6.0	6.0	8.0	7.0	9.0	7.00	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	13:20-13:21							
Water Depth (m)	8.80							
Monitoring Depth (m)	1.00		3.40		5.80			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	20.3	21.6	21.6	21.6	21.5	21.41	-
Salinity (ppt)	41.7	41.8	41.4	42.3	42.1	43.3	42.15	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	106.6	109.1	106.3	108.2	106.8	106.5	107.25	-
D.O. (mg/L)	7.3	7.7	7.4	7.3	7.1	7.4	7.42	7.49
Turbidity (NTU)	3.9	3.8	4.3	4.8	4.8	5.0	4.37	-
SS (mg/L)	5.0	6.0	4.0	5.0	7.0	5.0	5.33	-
Remarks								

Station	MPB1							
Time (hh:mm)	13:44-13:46							
Water Depth (m)	8.30							
Monitoring Depth (m)	1.00		4.15		7.30			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	20.4	21.7	21.6	21.7	21.6	21.47	-
Salinity (ppt)	42.3	44.9	45.0	43.4	46.3	44.0	44.30	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.93	
D.O. Saturation (%)	93.6	96.0	95.1	93.8	103.6	94.4	96.08	-
D.O. (mg/L)	6.4	6.7	6.5	6.4	7.0	6.4	6.55	6.70
Turbidity (NTU)	3.0	3.2	3.1	3.3	3.5	3.8	3.37	-
SS (mg/L)	5.0	6.0	6.0	7.0	4.0	5.0	5.50	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	14:08-14:10						Northing	Easting
Water Depth (m)	16.59						22,21,627	113,54,592
Monitoring Depth (m)	1.00		8.29		15.59			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.0	21.7	21.7	21.6	20.2	21.55	-
Salinity (ppt)	43.5	43.0	45.3	44.1	44.7	46.3	44.80	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	98.9	98.4	97.7	96.9	98.0	100.8	98.45	-
D.O. (mg/L)	6.7	6.7	6.6	6.6	6.7	6.9	6.69	6.76
Turbidity (NTU)	2.6	2.8	3.5	4.1	5.3	6.4	4.28	-
SS (mg/L)	5.0	4.0	4.0	4.0	5.0	4.0	4.50	-
Remarks								

Station	MPB2							
Time (hh:mm)	13:36-13:37							
Water Depth (m)	9.10							
Monitoring Depth (m)	1.00		4.55		8.10			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	21.8	21.7	21.9	22.3	21.93	-
Salinity (ppt)	40.0	40.1	40.2	40.5	41.8	41.5	40.68	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.92	
D.O. Saturation (%)	99.3	100.6	102.5	98.3	100.0	103.6	100.72	-
D.O. (mg/L)	6.9	7.0	7.1	6.8	6.9	7.1	6.96	6.98
Turbidity (NTU)	4.6	4.7	6.9	6.6	7.6	7.6	6.33	-
SS (mg/L)	4.0	5.0	4.0	5.0	4.0	6.0	4.67	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	14:16-14:18						Northing	Easting
Water Depth (m)	10.70						22,21,162	113,54,652
Monitoring Depth (m)	1.00		5.35		9.70			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.0	21.7	22.2	21.7	21.7	21.88	-
Salinity (ppt)	41.6	41.6	42.6	42.3	43.2	43.0	42.40	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	97.9	96.1	99.4	96.3	104.5	98.6	98.80	-
D.O. (mg/L)	6.7	6.6	6.8	6.6	7.1	6.8	6.77	6.95
Turbidity (NTU)	5.9	5.8	10.3	10.1	10.9	10.7	8.95	-
SS (mg/L)	4.0	4.0	3.0	4.0	5.0	4.0	4.00	-
Remarks								

Station	MP							
Time (hh:mm)	13:52-13:52							
Water Depth (m)	5.78							
Monitoring Depth (m)	1.00		2.89		4.78			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	21.8	-	-	20.9	21.7	21.42	-
Salinity (ppt)	42.5	42.5	-	-	45.1	43.9	43.55	-
pH	7.9	7.9	-	-	7.9	7.9	7.91	
D.O. Saturation (%)	96.2	99.0	-	-	107.0	97.9	100.00	-
D.O. (mg/L)	6.6	6.8	-	-	7.4	6.7	6.86	7.04
Turbidity (NTU)	3.5	3.3	-	-	3.1	3.2	3.30	-
SS (mg/L)	5.0	7.0	-	-	4.0	6.0	5.50	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.4	7.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.3	7.3	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	7.3	NA	N	NA	Y	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	8.0	8.0	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/21/07
Weather & Ambient Temperature	Sunny, 23C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	10:32-10:34							
Water Depth (m)	20.02							
Monitoring Depth (m)	1.00		10.01		19.02			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.6	22.0	21.7	21.8	21.8	21.7	21.60	-
Salinity (ppt)	41.8	40.1	41.5	41.1	41.1	41.6	41.20	-
pH	8.0	7.9	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	116.7	116.5	116.3	117.8	118.8	115.9	117.00	-
D.O. (mg/L)	8.2	8.1	8.0	8.2	8.2	8.0	8.11	8.10
Turbidity (NTU)	3.9	4.0	5.0	5.0	5.5	5.4	4.80	-
SS (mg/L)	5.0	6.0	8.0	8.0	13.0	9.0	7.50	-
Remarks								

Station	MPB1							
Time (hh:mm)	10:57-10:59							
Water Depth (m)	8.35							
Monitoring Depth (m)	1.00		4.18		7.35			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.1	21.9	22.5	21.0	20.4	21.78	-
Salinity (ppt)	41.8	41.0	41.8	40.6	42.4	44.7	42.05	-
pH	7.9	7.9	7.9	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	111.1	112.3	111.3	112.8	115.7	114.0	112.87	-
D.O. (mg/L)	7.6	7.7	7.7	7.7	7.9	7.9	7.76	7.92
Turbidity (NTU)	6.3	6.1	7.7	7.5	9.8	9.2	7.77	-
SS (mg/L)	7.0	6.0	8.0	8.0	12.0	9.0	8.00	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:11-10:14						Northing	Easting
Water Depth (m)	16.74						22.21.641	113.54.584
Monitoring Depth (m)	1.00		8.37		15.74			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	22.0	21.6	21.6	21.7	21.5	21.70	-
Salinity (ppt)	39.9	39.5	41.1	40.6	40.5	41.4	40.49	-
pH	8.0	8.0	8.1	8.1	8.0	8.1	8.03	
D.O. Saturation (%)	118.3	119.0	116.4	120.2	123.0	116.9	118.63	-
D.O. (mg/L)	8.1	8.3	8.1	8.4	8.6	8.10	8.24	8.33
Turbidity (NTU)	7.7	7.9	13.8	13.9	10.1	10.3	10.62	-
SS (mg/L)	8.0	8.0	10.0	12.0	14.0	13.0	10.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	11:06-11:07							
Water Depth (m)	8.69							
Monitoring Depth (m)	1.00		4.45		7.69			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.5	21.9	21.8	21.9	22.5	22.09	-
Salinity (ppt)	41.1	40.8	41.6	41.3	42.3	41.8	41.51	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.94	
D.O. Saturation (%)	110.5	108.0	109.4	110.9	115.3	109.9	110.87	-
D.O. (mg/L)	7.6	7.4	7.5	7.7	7.9	7.5	7.59	7.69
Turbidity (NTU)	16.0	15.7	14.5	14.1	15.9	15.3	15.25	-
SS (mg/L)	24.0	29.0	19.0	27.0	22.0	26.0	24.50	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:01-10:02						Northing	Easting
Water Depth (m)	10.55						22.21.162	113.54.671
Monitoring Depth (m)	1.00		5.28		9.55			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	21.9	21.9	21.9	21.9	21.86	-
Salinity (ppt)	40.7	40.1	40.8	42.1	44.4	41.1	41.53	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	127.4	126.6	127.0	128.2	129.7	126.2	127.52	-
D.O. (mg/L)	8.8	8.8	8.8	8.8	8.8	8.71	8.78	8.74
Turbidity (NTU)	6.6	6.7	7.0	7.5	6.8	7.1	6.95	-
SS (mg/L)	8.0	9.0	8.0	10.0	11.0	11.0	9.50	-
Remarks								

Station	MP							
Time (hh:mm)	10:49-10:50							
Water Depth (m)	5.61							
Monitoring Depth (m)	1.00		2.81		4.61			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.8	22.7	-	-	22.6	20.5	21.59	-
Salinity (ppt)	41.2	38.6	-	-	38.0	41.1	39.79	-
pH	7.9	7.9	-	-	7.9	7.9	7.93	
D.O. Saturation (%)	118.7	121.9	-	-	133.4	119.9	123.48	-
D.O. (mg/L)	8.4	8.4	-	-	9.3	8.5	8.63	8.87
Turbidity (NTU)	19.0	18.9	-	-	23.9	23.8	21.40	-
SS (mg/L)	14.0	13.0	-	-	26.0	25.0	19.50	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	8.1	8.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	8.1	8.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.2	NA	Y	NA	Y	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	9.8	9.8	N	N	N	N	N	N	Y	N	N	N

Sampling Date	12/21/07
Weather & Ambient Temperature	Sunny, 26C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	15:41-15:43							
Water Depth (m)	15.98							
Monitoring Depth (m)	1.00		7.99		14.98			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.3	22.3	22.0	22.1	22.0	21.9	22.06	-
Salinity (ppt)	41.7	42.6	42.7	41.7	41.5	42.4	42.14	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	120.4	118.0	117.7	119.4	127.1	120.1	120.62	-
D.O. (mg/L)	8.2	8.1	8.0	8.2	8.7	8.2	8.25	8.49
Turbidity (NTU)	2.9	2.7	5.0	4.9	7.3	7.9	5.12	-
SS (mg/L)	5.0	6.0	6.0	7.0	11.0	10.0	7.50	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	14:01-14:02							
Water Depth (m)	6.48							
Monitoring Depth (m)	1.00		3.24		5.48			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	22.4	22.2	22.7	21.8	21.9	22.01	-
Salinity (ppt)	40.6	38.4	38.6	39.8	40.2	38.6	39.32	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.05	
D.O. Saturation (%)	134.4	135.4	135.8	133.4	131.9	137.1	134.83	-
D.O. (mg/L)	9.5	9.4	9.5	9.2	9.2	9.6	9.38	9.08
Turbidity (NTU)	3.9	4.0	4.1	4.5	4.2	4.5	4.20	-
SS (mg/L)	6.0	6.0	7.0	8.0	6.0	6.0	6.50	-
Remarks								

Station	MPB1							
Time (hh:mm)	14:29-14:29							
Water Depth (m)	8.23							
Monitoring Depth (m)	1.00		4.11		7.23			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.9	22.1	22.0	21.9	20.9	22.0	21.84	-
Salinity (ppt)	40.0	40.7	40.3	40.9	41.2	41.2	40.71	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.90	
D.O. Saturation (%)	109.0	108.2	111.2	109.9	121.2	109.6	111.45	-
D.O. (mg/L)	7.6	7.5	7.7	7.6	8.5	7.6	7.72	8.04
Turbidity (NTU)	3.9	4.9	4.7	4.2	4.9	4.5	4.40	-
SS (mg/L)	6.0	6.0	6.0	5.0	6.0	6.0	6.17	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:09-15:11						Northing	Easting
Water Depth (m)	16.02						22,21,611	113,54,537
Monitoring Depth (m)	1.00		8.01		15.02			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.2	22.2	21.8	21.9	21.7	21.8	21.93	-
Salinity (ppt)	41.3	41.6	42.4	41.9	42.6	42.3	42.05	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	113.2	113.6	112.9	114.4	112.9	116.6	114.27	-
D.O. (mg/L)	7.8	7.8	7.7	7.9	7.7	8.0	7.84	7.87
Turbidity (NTU)	3.4	3.5	5.1	4.8	6.9	6.2	4.95	-
SS (mg/L)	4.0	5.0	5.0	6.0	6.0	7.0	5.17	-
Remarks								

Station	MPB2							
Time (hh:mm)	14:19-14:21							
Water Depth (m)	8.69							
Monitoring Depth (m)	1.00		4.44		7.89			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.5	22.5	22.3	22.2	22.0	21.9	22.22	-
Salinity (ppt)	39.3	39.3	39.2	40.0	40.7	40.9	39.96	-
pH	7.9	7.9	7.9	7.9	8.0	7.9	7.92	
D.O. Saturation (%)	116.7	114.8	116.5	114.0	123.2	116.4	116.93	-
D.O. (mg/L)	8.1	7.9	8.1	7.9	8.5	8.0	8.08	8.27
Turbidity (NTU)	4.3	4.0	5.3	4.8	10.1	10.2	6.45	-
SS (mg/L)	5.0	5.0	6.0	6.0	7.0	8.0	6.00	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	15:19-15:20						Northing	Easting
Water Depth (m)	11.05						22,21,199	113,54,663
Monitoring Depth (m)	1.00		5.53		10.05			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.6	23.2	22.3	22.2	21.7	21.9	22.30	-
Salinity (ppt)	40.4	40.2	40.5	41.0	42.0	41.7	40.95	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	115.8	114.7	115.3	115.2	116.9	121.1	116.65	-
D.O. (mg/L)	7.9	7.8	8.0	7.9	8.0	8.3	8.00	8.19
Turbidity (NTU)	4.3	4.9	6.4	6.9	13.7	13.8	8.32	-
SS (mg/L)	6.0	5.0	6.0	7.0	8.0	8.0	6.83	-
Remarks								

Station	MP							
Time (hh:mm)	14:54-14:54							
Water Depth (m)	9.71							
Monitoring Depth (m)	1.00		2.85		4.71			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	22.4	-	-	22.1	21.9	21.86	-
Salinity (ppt)	43.4	42.2	-	-	45.1	43.9	43.65	-
pH	7.9	7.9	-	-	7.8	7.9	7.85	
D.O. Saturation (%)	107.7	110.8	-	-	121.1	108.1	112.13	-
D.O. (mg/L)	7.5	7.5	-	-	8.1	7.4	7.63	7.77
Turbidity (NTU)	8.8	8.7	-	-	9.4	9.3	9.05	-
SS (mg/L)	6.0	7.0	-	-	24.0	23.0	15.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	8.9	8.9	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	8.8	8.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.1	NA	N	NA	Y	NA	N	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	9.1	9.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/22/07
Weather & Ambient Temperature	Cloudy, 23C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	11:23-11:25							
Water Depth (m)	20.30							
Monitoring Depth (m)	1.00		10.15		19.30			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.4	21.4	21.4	19.9	21.3	21.13	-
Salinity (ppt)	40.5	40.8	41.7	41.5	44.0	42.1	41.78	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	101.7	102.5	101.6	100.6	104.2	101.8	102.07	-
D.O. (mg/L)	7.0	7.0	6.9	6.9	7.2	6.9	6.98	7.05
Turbidity (NTU)	3.9	4.3	5.1	4.7	5.5	5.6	4.85	-
SS (mg/L)	3.0	3.0	3.0	3.0	2.0	3.0	2.83	-
Remarks								

Station	MPB1							
Time (hh:mm)	11:49-11:50							
Water Depth (m)	8.27							
Monitoring Depth (m)	1.00		4.14		7.27			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	21.1	21.0	21.2	21.2	20.57	-
Salinity (ppt)	42.8	42.3	42.1	41.5	43.9	44.9	42.91	-
pH	7.9	8.0	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	98.6	97.8	98.6	96.3	97.1	100.4	98.13	-
D.O. (mg/L)	6.9	6.9	6.7	6.6	6.6	6.7	6.73	6.65
Turbidity (NTU)	5.3	5.3	6.0	6.6	7.9	7.4	6.47	-
SS (mg/L)	3.0	3.0	3.0	2.0	3.0	3.0	2.83	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:04-11:06						Northing	Easting
Water Depth (m)	16.45						22,21,636	113 54.598
Monitoring Depth (m)	1.00		8.23		15.45			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.3	21.2	21.9	21.8	21.3	21.49	-
Salinity (ppt)	39.7	39.6	41.2	40.7	41.7	42.0	40.79	-
pH	7.9	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	103.4	101.7	101.1	104.7	104.8	101.4	102.95	-
D.O. (mg/L)	7.1	7.0	6.9	7.1	7.1	6.90	7.00	7.00
Turbidity (NTU)	3.1	3.1	3.4	3.6	3.8	3.7	3.42	-
SS (mg/L)	4.0	6.0	4.0	5.0	5.0	5.0	4.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	11:57-11:58							
Water Depth (m)	8.79							
Monitoring Depth (m)	1.00		4.40		7.79			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.1	21.0	21.1	19.7	21.2	21.1	20.85	-
Salinity (ppt)	41.3	42.0	42.6	43.4	42.6	44.1	42.66	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	96.6	97.7	99.0	96.7	95.6	102.2	97.95	-
D.O. (mg/L)	6.6	6.7	6.7	6.7	6.5	6.9	6.69	6.69
Turbidity (NTU)	5.1	4.9	7.9	7.9	8.3	8.1	7.03	-
SS (mg/L)	3.0	3.0	3.0	3.0	3.0	3.0	3.00	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:56-10:58						Northing	Easting
Water Depth (m)	10.27						22,21,160	113.54.662
Monitoring Depth (m)	1.00		5.13		9.27			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.3	21.7	21.4	21.3	21.3	21.8	21.46	-
Salinity (ppt)	37.9	37.4	39.5	39.2	40.7	40.9	39.27	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	105.4	104.2	109.3	103.7	103.3	107.9	105.63	-
D.O. (mg/L)	7.4	7.2	7.5	7.2	7.1	7.33	7.29	7.21
Turbidity (NTU)	3.9	4.1	5.5	5.3	5.0	5.5	4.88	-
SS (mg/L)	5.0	5.0	4.0	4.0	5.0	4.0	4.50	-
Remarks								

Station	MP							
Time (hh:mm)	11:39-11:40							
Water Depth (m)	5.47							
Monitoring Depth (m)	1.00		2.74		4.47			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.0	-	-	19.5	21.0	20.64	-
Salinity (ppt)	41.6	42.1	-	-	45.0	42.8	42.89	-
pH	7.9	7.9	-	-	7.9	7.9	7.92	
D.O. Saturation (%)	100.4	106.0	-	-	113.5	101.2	105.28	-
D.O. (mg/L)	6.9	7.2	-	-	7.8	6.9	7.21	7.37
Turbidity (NTU)	8.2	8.7	-	-	10.7	10.8	9.60	-
SS (mg/L)	5.0	5.0	-	-	4.0	5.0	4.75	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	6.3	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	3.7	3.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/22/07
Weather & Ambient Temperature	Sunny, 25C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	16:12-16:13							
Water Depth (m)	16.39							
Monitoring Depth (m)	1.00		8.19		15.38			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	21.5	21.4	21.8	19.8	21.9	21.07	-
Salinity (ppt)	42.9	41.7	41.8	41.9	44.9	41.6	42.32	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	110.1	107.2	107.9	102.2	110.7	111.0	108.02	-
D.O. (mg/L)	7.6	7.3	7.3	7.2	7.6	7.5	7.44	7.57
Turbidity (NTU)	5.1	4.9	8.9	8.5	9.0	8.2	7.58	-
SS (mg/L)	3.0	3.0	4.0	3.0	3.0	5.0	3.50	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	14:51-14:52							
Water Depth (m)	6.27							
Monitoring Depth (m)	1.00		3.14		5.27			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	19.6	21.2	21.2	21.1	21.1	21.00	-
Salinity (ppt)	41.4	41.4	42.0	41.0	42.9	42.0	41.79	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	109.9	112.4	109.5	109.6	111.8	110.1	110.55	-
D.O. (mg/L)	7.5	7.9	7.5	7.5	7.8	7.5	7.68	7.56
Turbidity (NTU)	4.6	4.5	5.3	5.0	5.7	5.3	5.07	-
SS (mg/L)	4.0	6.0	3.0	3.0	4.0	4.0	4.00	-
Remarks								

Station	IM01						Co-ordinates	
Time (hh:mm)	15:39-15:40						Northing	Easting
Water Depth (m)	16.08						22.21.641	113.54.586
Monitoring Depth (m)	1.00		8.03		15.06			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.3	21.3	19.8	21.2	21.14	-
Salinity (ppt)	43.1	42.6	43.7	44.9	48.0	44.4	44.46	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	102.2	101.7	100.2	101.0	104.1	101.3	101.75	-
D.O. (mg/L)	6.9	6.9	6.8	6.8	7.0	6.8	6.85	6.92
Turbidity (NTU)	3.3	3.5	4.8	4.2	7.1	7.0	4.99	-
SS (mg/L)	4.0	4.0	4.0	6.0	4.0	4.0	4.33	-
Remarks								

Station	IM02						Co-ordinates	
Time (hh:mm)	15:47-16:48						Northing	Easting
Water Depth (m)	10.95						22.21.172	113.54.689
Monitoring Depth (m)	1.00		5.42		9.85			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.8	21.3	21.3	21.3	21.47	-
Salinity (ppt)	41.4	41.2	41.9	42.2	42.9	42.6	42.04	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	-
D.O. Saturation (%)	99.4	100.2	99.6	102.7	107.6	101.9	103.10	-
D.O. (mg/L)	6.8	6.9	6.7	7.0	7.3	6.9	6.93	7.11
Turbidity (NTU)	8.5	6.6	9.8	9.1	9.6	9.4	8.50	-
SS (mg/L)	4.0	4.0	4.0	4.0	4.0	4.0	4.00	-
Remarks								

Station	MPB1							
Time (hh:mm)	15:15-15:16							
Water Depth (m)	8.25							
Monitoring Depth (m)	1.00		4.12		7.25			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.6	21.4	21.2	21.2	21.2	21.2	21.06	-
Salinity (ppt)	44.5	42.6	43.1	44.6	45.9	43.6	43.94	-
pH	7.9	7.9	8.0	7.9	7.9	8.0	7.94	
D.O. Saturation (%)	99.3	96.9	97.1	98.4	106.9	97.7	99.38	-
D.O. (mg/L)	6.6	6.6	6.6	6.6	7.1	6.6	6.71	6.86
Turbidity (NTU)	3.9	4.0	4.0	3.8	4.2	4.5	4.07	-
SS (mg/L)	3.0	3.0	4.0	3.0	2.0	2.0	2.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	15:07-15:08							
Water Depth (m)	8.75							
Monitoring Depth (m)	1.00		4.38		7.75			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.5	21.3	21.4	21.4	21.3	21.52	-
Salinity (ppt)	39.6	39.7	40.2	39.8	41.4	41.1	40.30	-
pH	7.9	7.8	7.9	7.9	7.9	7.9	7.93	
D.O. Saturation (%)	102.6	103.9	101.6	105.6	103.3	106.9	104.02	-
D.O. (mg/L)	7.1	7.1	7.0	7.3	7.0	7.2	7.12	7.14
Turbidity (NTU)	5.3	5.4	7.3	7.6	8.0	9.3	7.03	-
SS (mg/L)	3.0	3.0	3.0	3.0	2.0	2.0	2.67	-
Remarks								

Station	MP							
Time (hh:mm)	15:23-15:23							
Water Depth (m)	5.78							
Monitoring Depth (m)	1.00		2.89		4.78			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.3	21.4	-	-	20.9	21.3	21.01	-
Salinity (ppt)	42.2	42.3	-	-	44.8	43.6	43.20	-
pH	7.9	7.9	-	-	7.8	7.9	7.92	
D.O. Saturation (%)	99.5	102.3	-	-	110.3	104.1	103.30	-
D.O. (mg/L)	6.8	6.9	-	-	7.6	6.9	7.02	7.20
Turbidity (NTU)	4.3	4.0	-	-	3.8	3.9	4.00	-
SS (mg/L)	5.0	5.0	-	-	5.0	5.0	5.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IM01		IM02		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.5	7.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.2	NA	N	NA	Y	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	4.0	4.9	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/23/07
Weather & Ambient Temperature	Cloudy, 20C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	12:32-12:35							
Water Depth (m)	19.90							
Monitoring Depth (m)	1.00		9.95		18.90			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	22.0	21.9	22.0	21.9	21.93	-
Salinity (ppt)	37.4	37.7	38.6	39.4	39.2	40.1	38.73	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	107.7	109.2	112.8	110.4	115.1	110.3	110.92	-
D.O. (mg/L)	7.6	7.7	7.9	7.7	8.0	7.7	7.75	7.84
Turbidity (NTU)	9.3	10.3	11.0	11.4	11.8	11.9	10.95	-
SS (mg/L)	10.0	10.0	10.0	9.0	7.0	6.0	8.67	-
Remarks								

Station	MPB1							
Time (hh:mm)	12:57-12:58							
Water Depth (m)	8.08							
Monitoring Depth (m)	1.00		4.04		7.08			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	21.9	21.9	21.9	22.0	21.88	-
Salinity (ppt)	37.7	37.5	37.9	38.4	38.8	38.4	38.08	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.92	
D.O. Saturation (%)	107.3	108.6	110.1	107.5	107.9	118.2	109.93	-
D.O. (mg/L)	7.6	7.7	7.7	7.5	7.6	8.3	7.72	7.92
Turbidity (NTU)	13.9	13.3	17.9	17.1	17.7	18.2	16.35	-
SS (mg/L)	8.0	8.0	8.0	8.0	15.0	16.0	10.50	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:12-12:15						Northing	Easting
Water Depth (m)	16.58						22 21.630	113 54.593
Monitoring Depth (m)	1.00		8.29		15.58			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.5	22.0	21.9	22.0	21.8	22.4	22.09	-
Salinity (ppt)	37.2	37.2	38.5	37.9	40.0	39.2	38.33	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	106.2	110.1	111.8	115.7	111.9	115.3	111.83	-
D.O. (mg/L)	7.4	7.8	7.8	8.1	7.8	7.97	7.82	7.88
Turbidity (NTU)	7.4	7.2	13.6	13.1	12.1	12.8	11.03	-
SS (mg/L)	7.0	7.0	8.0	7.0	12.0	12.0	8.83	-
Remarks	Dredging and Dumping works were observed.							

Station	MPB2							
Time (hh:mm)	13:08-13:09							
Water Depth (m)	8.65							
Monitoring Depth (m)	1.00		4.32		7.65			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	21.8	22.3	21.8	21.8	21.89	-
Salinity (ppt)	38.0	38.2	38.7	38.0	38.7	39.2	38.47	-
pH	7.9	7.9	8.0	7.9	8.0	8.0	7.95	
D.O. Saturation (%)	107.2	108.8	107.3	107.1	111.9	107.2	107.88	-
D.O. (mg/L)	7.5	7.5	7.5	7.5	7.8	7.5	7.56	7.67
Turbidity (NTU)	10.1	10.2	14.6	14.6	20.2	19.4	14.85	-
SS (mg/L)	8.0	9.0	9.0	10.0	9.0	9.0	9.00	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:03-12:04						Northing	Easting
Water Depth (m)	10.70						22.21.161	113 54.665
Monitoring Depth (m)	1.00		5.35		9.70			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.5	22.5	22.4	21.9	20.5	21.97	-
Salinity (ppt)	36.0	37.5	38.1	38.1	40.0	41.2	38.81	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	118.4	116.4	120.1	117.7	116.6	123.1	118.72	-
D.O. (mg/L)	8.3	8.1	8.4	8.2	8.1	8.70	8.29	8.40
Turbidity (NTU)	12.3	12.9	15.2	15.7	14.2	14.2	14.08	-
SS (mg/L)	9.0	10.0	12.0	11.0	17.0	16.0	12.50	-
Remarks	Dredging and Dumping works were observed.							

Station	MP							
Time (hh:mm)	12:49-12:50							
Water Depth (m)	5.69							
Monitoring Depth (m)	1.00		2.85		4.69			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	-	-	21.9	22.4	21.96	-
Salinity (ppt)	37.2	37.4	-	-	37.3	37.3	37.28	-
pH	7.9	7.9	-	-	7.9	7.9	7.91	
D.O. Saturation (%)	109.3	109.1	-	-	110.5	109.6	109.63	-
D.O. (mg/L)	7.7	7.7	-	-	7.8	7.7	7.73	7.74
Turbidity (NTU)	14.7	14.6	-	-	16.5	16.0	15.45	-
SS (mg/L)	12.0	11.0	-	-	14.0	15.0	13.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.8	7.8	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.8	7.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	14.2	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	11.3	11.3	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/23/07
Weather & Ambient Temperature	Cloudy, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	17:23-17:24							
Water Depth (m)	15.99							
Monitoring Depth (m)	1.00		8.00		14.99			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	21.7	21.8	21.6	21.7	21.79	-
Salinity (ppt)	40.4	40.2	41.2	40.8	41.6	41.1	40.86	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	113.9	114.7	114.1	115.0	114.2	116.5	114.73	-
D.O. (mg/L)	7.9	8.0	7.9	8.0	7.9	8.1	7.94	7.96
Turbidity (NTU)	4.3	4.2	4.7	4.2	7.6	7.7	5.45	-
SS (mg/L)	6.0	7.0	6.0	6.0	6.0	7.0	6.67	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	15:29-15:30							
Water Depth (m)	6.47							
Monitoring Depth (m)	1.00		3.23		5.47			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	21.8	21.8	20.5	21.8	21.7	21.55	
Salinity (ppt)	39.5	39.3	39.3	40.8	39.4	39.7	39.67	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	116.3	117.3	115.5	118.1	120.8	116.4	117.92	-
D.O. (mg/L)	8.1	8.2	8.3	8.4	8.4	8.1	8.25	8.29
Turbidity (NTU)	9.8	10.1	10.8	10.7	10.5	10.5	10.37	-
SS (mg/L)	10.0	8.0	11.0	12.0	14.0	14.0	11.50	-
Remarks								

Station	MPB1							
Time (hh:mm)	16:03-16:04							
Water Depth (m)	8.40							
Monitoring Depth (m)	1.00		4.20		7.40			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	21.8	21.8	21.8	21.8	21.80	-
Salinity (ppt)	38.0	38.0	38.7	38.5	39.8	40.3	38.88	-
pH	7.9	7.9	8.0	7.9	8.0	8.0	7.94	
D.O. Saturation (%)	106.8	106.8	106.9	107.0	107.0	106.9	106.87	-
D.O. (mg/L)	7.5	7.5	7.5	7.5	7.4	7.4	7.48	7.43
Turbidity (NTU)	14.1	14.6	17.7	18.2	17.9	17.8	16.72	-
SS (mg/L)	10.0	9.0	9.0	10.0	13.0	13.0	10.67	-
Remarks	Dredging and Dumping works were observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	16:42-16:44						Northing	Easting
Water Depth (m)	16.50						22 21.624	113 54.594
Monitoring Depth (m)	1.00		8.25		15.50			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.8	21.9	21.9	22.4	21.8	21.96	-
Salinity (ppt)	38.2	38.8	39.0	39.7	39.1	40.5	39.21	-
pH	7.9	7.9	7.9	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	111.4	110.6	113.6	112.8	115.5	111.0	112.48	-
D.O. (mg/L)	7.8	7.7	7.9	7.9	8.0	7.7	7.84	7.86
Turbidity (NTU)	7.2	7.4	9.1	9.3	9.9	9.8	8.78	-
SS (mg/L)	8.0	9.0	9.0	10.0	9.0	10.0	9.17	-
Remarks								

Station	MPB2							
Time (hh:mm)	15:54-15:55							
Water Depth (m)	8.79							
Monitoring Depth (m)	1.00		4.39		7.79			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	20.7	20.8	22.4	22.0	22.3	21.63	-
Salinity (ppt)	39.2	39.2	40.0	38.9	39.0	38.8	38.84	-
pH	7.9	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	106.0	107.7	107.7	108.7	109.2	105.2	107.08	-
D.O. (mg/L)	7.5	7.7	7.7	7.4	7.6	7.3	7.52	7.46
Turbidity (NTU)	11.1	11.5	13.2	13.3	18.5	18.5	14.32	-
SS (mg/L)	8.0	8.0	11.0	12.0	19.0	19.0	12.83	-
Remarks	Dredging and Dumping works were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)							Northing	Easting
Water Depth (m)	10.48						22 21.177	113 54.669
Monitoring Depth (m)	1.00		5.24		9.48			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.4	22.3	22.4	21.9	21.9	21.8	22.13	-
Salinity (ppt)	37.5	37.7	37.9	38.1	39.5	39.8	38.44	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.93	
D.O. Saturation (%)	108.0	105.8	107.7	112.3	113.9	106.9	109.10	-
D.O. (mg/L)	7.5	7.4	7.5	7.9	7.9	7.4	7.61	7.68
Turbidity (NTU)	7.6	7.7	8.6	8.9	9.5	9.6	8.65	-
SS (mg/L)	9.0	10.0	8.0	8.0	10.0	13.0	9.67	-
Remarks								

Station	MP							
Time (hh:mm)	16:12-16:12							
Water Depth (m)	5.36							
Monitoring Depth (m)	1.00		2.68		4.36			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	21.8	-	-	20.8	21.8	21.47	-
Salinity (ppt)	37.7	37.7	-	-	38.9	37.9	38.04	-
pH	7.9	7.9	-	-	7.9	7.9	7.92	
D.O. Saturation (%)	109.2	109.5	-	-	111.4	109.2	109.85	-
D.O. (mg/L)	7.7	7.7	-	-	8.0	7.7	7.77	7.83
Turbidity (NTU)	13.8	14.3	-	-	14.5	14.0	14.15	-
SS (mg/L)	10.0	12.0	-	-	11.0	11.0	11.00	-
Remarks	Floating Rubbish was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	8.1	8.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	8.1	8.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.3	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	11.8	11.8	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/24/07
Weather & Ambient Temperature	Cloudy, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:16-13:18							
Water Depth (m)	20.28							
Monitoring Depth (m)	1.00		10.14		19.28			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.3	20.2	21.3	21.3	20.2	21.04	-
Salinity (ppt)	38.9	39.6	40.6	39.5	39.7	40.5	39.83	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	120.4	120.8	122.5	121.1	121.1	122.5	121.40	-
D.O. (mg/L)	8.4	8.5	8.7	8.5	8.5	8.7	8.57	8.63
Turbidity (NTU)	11.5	11.1	12.4	12.7	13.8	13.6	12.52	-
SS (mg/L)	12.0	10.0	14.0	11.0	12.0	12.0	11.83	-
Remarks								

Station	MPB1							
Time (hh:mm)	13:42-13:43							
Water Depth (m)	8.42							
Monitoring Depth (m)	1.00		4.21		7.42			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	21.7	21.7	21.8	22.2	21.8	21.83	-
Salinity (ppt)	37.8	37.8	37.9	37.5	37.3	37.9	37.67	-
pH	7.9	7.9	8.0	7.9	7.9	7.9	7.94	
D.O. Saturation (%)	111.5	113.9	111.3	116.5	120.8	111.7	114.28	-
D.O. (mg/L)	7.9	8.0	7.9	8.2	8.5	7.9	8.05	8.17
Turbidity (NTU)	18.7	18.2	18.6	18.3	18.6	18.9	18.55	-
SS (mg/L)	20.0	16.0	20.0	17.0	18.0	17.0	18.00	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:56-12:58						Northing	Easting
Water Depth (m)	16.59						22,21,535	113,54,460
Monitoring Depth (m)	1.00		8.29		15.59			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	22.2	20.4	21.5	21.6	21.6	21.47	-
Salinity (ppt)	38.3	38.2	40.2	39.4	39.8	40.1	39.32	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.03	
D.O. Saturation (%)	113.3	112.7	114.9	112.4	113.4	111.5	113.03	-
D.O. (mg/L)	8.0	7.9	8.2	7.9	7.9	7.79	7.94	7.86
Turbidity (NTU)	13.0	13.1	11.1	11.7	10.8	10.6	11.72	-
SS (mg/L)	15.0	16.0	17.0	17.0	15.0	16.0	16.00	-
Remarks	Floating rubbish was observed.							

Station	MPB2							
Time (hh:mm)	13:50-13:51							
Water Depth (m)	8.77							
Monitoring Depth (m)	1.00		4.39		7.77			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	22.1	21.5	21.5	21.4	21.4	21.67	-
Salinity (ppt)	38.6	38.8	39.5	39.2	39.3	39.6	39.16	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	111.7	111.2	112.0	112.7	112.7	112.3	112.10	-
D.O. (mg/L)	7.8	7.7	7.9	7.9	7.9	7.9	7.85	7.90
Turbidity (NTU)	15.9	15.7	20.1	20.2	16.7	16.7	16.22	-
SS (mg/L)	16.0	16.0	15.0	16.0	14.0	15.0	15.33	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:45-12:46						Northing	Easting
Water Depth (m)	10.78						22,21,187	113,54,644
Monitoring Depth (m)	1.00		5.39		9.78			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.6	21.7	21.7	21.6	21.63	-
Salinity (ppt)	38.4	38.0	38.5	38.9	39.8	39.9	38.73	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	121.1	120.7	121.4	122.0	126.7	120.1	122.00	-
D.O. (mg/L)	8.5	8.5	8.6	8.6	8.9	8.44	8.58	8.65
Turbidity (NTU)	14.8	14.9	14.9	14.4	14.3	14.5	14.63	-
SS (mg/L)	15.0	17.0	17.0	16.0	20.0	18.0	17.17	-
Remarks	Floating rubbish was observed.							

Station	MP							
Time (hh:mm)	13:33-13:34							
Water Depth (m)	5.37							
Monitoring Depth (m)	1.00		2.69		4.37			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	-	-	22.3	22.0	21.97	-
Salinity (ppt)	37.2	37.5	-	-	36.9	37.1	37.15	-
pH	7.9	7.9	-	-	7.9	7.9	7.90	
D.O. Saturation (%)	117.9	110.5	-	-	112.6	133.7	118.68	-
D.O. (mg/L)	8.3	7.8	-	-	7.9	9.4	8.37	8.67
Turbidity (NTU)	33.0	32.2	-	-	34.1	33.1	33.10	-
SS (mg/L)	32.0	38.0	-	-	31.0	28.0	31.75	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	8.6	8.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	8.6	8.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	16.3	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	15.4	15.4	N	N	N	N	N	N	N	N	Y	N

Sampling Date	12/24/17
Weather & Ambient Temperature	Cloudy, 18C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	17:41-17:43							
Water Depth (m)	16.35							
Monitoring Depth (m)	1.00		8.18		15.35			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.3	21.4	21.8	21.3	21.4	22.1	21.34	-
Salinity (ppt)	40.4	39.5	39.3	39.7	39.7	38.9	39.58	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	123.0	120.0	125.2	120.2	120.5	122.6	121.92	-
D.O. (mg/L)	8.8	8.4	8.8	8.5	8.5	8.5	8.57	8.50
Turbidity (NTU)	9.7	11.5	17.4	17.3	17.5	17.5	15.15	-
SS (mg/L)	10.0	12.0	11.0	13.0	12.0	13.0	11.67	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	16:01-16:02							
Water Depth (m)	6.59							
Monitoring Depth (m)	1.00		3.29		5.59			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.4	21.4	21.4	22.0	21.8	21.9	21.49	-
Salinity (ppt)	39.7	39.0	39.1	38.5	38.3	38.7	38.86	-
pH	8.0	8.0	8.1	8.0	8.0	8.1	8.04	
D.O. Saturation (%)	126.3	122.0	122.1	125.2	131.1	122.1	124.80	-
D.O. (mg/L)	9.0	8.5	8.6	8.8	9.2	8.5	8.79	8.88
Turbidity (NTU)	10.3	9.8	11.0	10.6	10.6	10.8	10.52	-
SS (mg/L)	11.0	12.0	11.0	11.0	12.0	11.0	11.33	-
Remarks								

Station	MM01						Co-ordinates	
Time (hh:mm)	17:10-17:12						Northing	Easting
Water Depth (m)	16.72						22,21,542	113,54,467
Monitoring Depth (m)	1.00		8.36		15.72			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.2	21.7	21.5	21.5	21.8	21.6	21.68	-
Salinity (ppt)	37.4	38.0	38.5	39.8	39.4	39.5	38.60	-
pH	8.0	8.0	8.0	8.1	8.0	8.0	8.01	
D.O. Saturation (%)	114.0	113.8	115.8	113.9	117.0	113.6	114.72	-
D.O. (mg/L)	8.0	8.0	8.2	8.0	8.2	8.0	8.06	8.08
Turbidity (NTU)	13.5	13.2	12.1	11.9	10.8	10.5	12.02	-
SS (mg/L)	16.0	15.0	15.0	19.0	15.0	17.0	16.17	-
Remarks	Floating rubbish was observed.							

Station	MM02						Co-ordinates	
Time (hh:mm)	17:19-17:20						Northing	Easting
Water Depth (m)	10.55						22,21,197	113,54,880
Monitoring Depth (m)	1.00		5.28		9.55			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.6	22.1	21.6	22.0	22.0	21.86	-
Salinity (ppt)	37.8	38.1	38.3	39.4	38.4	38.5	38.17	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	119.4	118.0	118.5	120.3	119.2	117.9	118.88	-
D.O. (mg/L)	8.4	8.3	8.3	8.5	8.3	8.2	8.34	8.29
Turbidity (NTU)	15.2	15.8	15.9	15.5	15.2	14.6	15.53	-
SS (mg/L)	14.0	16.0	16.0	18.0	16.0	16.0	16.00	-
Remarks	Floating rubbish was observed.							

Station	MPB1							
Time (hh:mm)	15:28-15:30							
Water Depth (m)	8.26							
Monitoring Depth (m)	1.00		4.13		7.26			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.2	21.7	20.6	20.6	21.7	21.7	21.40	-
Salinity (ppt)	37.8	39.0	39.1	39.4	38.1	38.3	38.45	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	109.4	110.6	111.7	111.5	110.7	110.2	110.68	-
D.O. (mg/L)	7.7	7.8	8.0	8.0	7.8	7.8	7.83	7.78
Turbidity (NTU)	19.1	19.0	19.0	19.9	19.1	19.3	19.23	-
SS (mg/L)	22.0	16.0	19.0	15.0	18.0	15.0	17.33	-
Remarks								

Station	MPB2							
Time (hh:mm)	15:19-15:21							
Water Depth (m)	8.85							
Monitoring Depth (m)	1.00		4.42		7.85			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.6	21.6	21.5	20.5	20.3	21.18	-
Salinity (ppt)	36.4	38.8	38.4	39.0	39.5	40.1	39.02	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	113.9	112.8	117.0	112.9	125.1	114.4	116.02	-
D.O. (mg/L)	8.0	7.9	8.3	8.0	8.8	8.2	8.21	8.55
Turbidity (NTU)	18.2	18.2	21.5	20.1	22.1	22.7	20.97	-
SS (mg/L)	14.0	14.0	13.0	12.0	13.0	12.0	12.67	-
Remarks								

Station	MP							
Time (hh:mm)	16:54-16:54							
Water Depth (m)	5.84							
Monitoring Depth (m)	1.00		2.92		4.84			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.6	21.7	-	-	21.8	21.7	21.45	-
Salinity (ppt)	38.7	37.8	-	-	37.5	37.7	37.94	-
pH	7.9	7.8	-	-	7.9	7.9	7.93	
D.O. Saturation (%)	111.0	109.4	-	-	110.1	109.5	110.00	-
D.O. (mg/L)	8.0	7.7	-	-	7.8	7.7	7.79	7.75
Turbidity (NTU)	31.6	31.3	-	-	32.8	32.0	31.95	-
SS (mg/L)	31.0	32.0	-	-	32.0	31.0	31.50	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EMBA		C1 & C3 Mean		MM01		MM02		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	8.7	8.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	5.3	5.5	8.7	8.7	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	16.7	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	15.0	25.0	N	N	N	N	N	N	N	N	Y	N

Facsimile
message

Environmental
Resources
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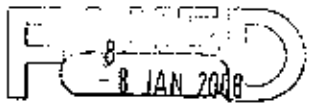

ERM

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
Copied to	
From	Craig Reid
Ref/Project number	*0018105_NOE_20080108.doc*
Subject	Notification of Exceedance for Water Quality
Date	8 January 2008

Page 1 of 18

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0018105_29 Dec 07_Turb_F_Station IMO1
0018105_29 Dec 07_Turb_F_Station MPB2
0018105_29 Dec 07_Turb_F_Station MP
0018105_29 Dec 07_SS_F_Station MP
0018105_29 Dec 07_Turb_E_Station IMO1
0018105_29 Dec 07_Turb_SS_Station IMO1
0018105_27 Dec 07_Turb_E_Station MP
0018105_30 Dec 07_Turb_F_Station IMO1
0018105_30 Dec 07_Turb_F_Station IMO2
0018105_30 Dec 07_Turb_F_Station MP
0018105_30 Dec 07_Turb_F_Station MP1
0018105_30 Dec 07_SS_F_Station MP0018105_30 Dec 07_Turb_E_Station IMO1
0018105_30 Dec 07_Turb_E_Station IMO2
0018105_30 Dec 07_Turb_E_Station MP
0018105_30 Dec 07_Turb_E_Station MP1
0018105_30 Dec 07_SS_E_Station MP
0018105_31 Dec 07_Turb_F_Station MP

recorded from 29 December to 31 December 2007.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_29 Dec 07_Turb_F_Station IMO1** **0018105_29 Dec 07_Turb_F_Station MPB2** **0018105_29 Dec 07_Turb_F_Station MP** **0018105_29 Dec 07_SS_F_Station MP** **[Total No. of Exceedances = 4]**	
Date	29 December 2007 (Measured) 3 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB2, MP, IMO1	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity – 17.0 NTU Suspended Solids - 24.0 mg/L
	Mid-Flood	Turbidity – 21.9 NTU Suspended Solids – 24.0 mg/L
Limit Levels	*Mid-Ebb*	Turbidity –N/A Suspended Solids – 37.0 mg/L
	Mid-Flood	Turbidity – N/A Suspended Solids – 37.0 mg/L
Measured Levels	*Mid-Ebb*	Station IMO1 – 19.23 NTU Station MPB2 – 11.62 NTU Station MP – 17.33 NTU, 15.83 mg/L
	Mid-Flood	Station IMO1 – 22.60 NTU (exceeds Action Level) Station MPB2 – 31.70 NTU (exceeds Action Level) Station MP – 45.58 NTU (exceeds Action Level), 41.00 mg/L (exceeds Limit Level)
Construction Works Undertaken (at the time of monitoring event)	On 29 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station MP, located further away from the dredger, had higher turbidity and SS levels than those of other Impact Stations The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_29 Dec 07_Turb_E_Station IMO1 0018105_29 Dec 07_SS_E_Station IMO1 0018105_27 Dec 07_Turb_E_Station MP Total No. of Exceedances = 3	
Date	29 December 2007 (Measured) 3 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, IMO1	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity – 17.0 NTU Suspended Solids - 24.0 mg/L
	Mid-Flood	Turbidity – 21.9 NTU Suspended Solids – 24.0 mg/L
Limit Levels	*Mid-Ebb*	Turbidity -N/A Suspended Solids – 37.0 mg/L
	Mid-Flood	Turbidity – N/A Suspended Solids - 37.0 mg/L
Measured Levels	*Mid-Ebb*	Station IMO1 – 19.23 NTU (exceeds Action Level), 27.50 mg/L (exceeds Action Level) Station MP – 17.33 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 22.60 NTU Station MP – 45.58 NTU
Construction Works Undertaken (at the time of monitoring event)	On 29 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December (when no dredging was undertaken), whose value was comparable to that of 29 December 2007 • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_30 Dec 07_Turb_F_Station IMO1** **0018105_30 Dec 07_Turb_F_Station IMO2** **0018105_30 Dec 07_Turb_F_Station MP** **0018105_30 Dec 07_Turb_F_Station MP1** **0018105_30 Dec 07_SS_F_Station MP** **[Total No. of Exceedances = 5]**	
Date	30 December 2007 (Measured) 7 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB1, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity - 13.7 NTU Suspended Solids - 24.0 mg/L
	Mid-Flood	Turbidity - 13.6 NTU Suspended Solids - 24.0 mg/L
Limit Levels	*Mid-Ebb*	Turbidity -N/A Suspended Solids - 37.0 mg/L
	Mid-Flood	Turbidity - N/A Suspended Solids - 37.0 mg/L
Measured Levels	*Mid-Ebb*	Station IMO1 - 19.57 NTU Station IMO2 - 18.98 NTU Station MPB1 - 17.73 Station MP - 40.17 NTU, 37.83 mg/L
	Mid-Flood	Station IMO1 - 19.37 NTU Station IMO2 - 19.88 NTU (exceeds Action Level) Station MPB1 - 17.15 (exceeds Action Level) Station MP - 28.3 NTU (exceeds Action Level), 44.75 mg/L (exceeds Limit Level)
Construction Works Undertaken (at the time of monitoring event)	On 30 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December (when no dredging was undertaken), whose value was comparable to that of 30 December 2007 • Station MP, located further away from the dredger, had higher turbidity and SS levels than those of other Impact Stations The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_30 Dec 07_Turb_E_Station IMO1 0018105_30 Dec 07_Turb_E_Station IMO2 0018105_30 Dec 07_Turb_E_Station MP 0018105_30 Dec 07_Turb_E_Station MP1 0018105_30 Dec 07_SS_E_Station MP [Total No. of Exceedances = 5]	
Date	30 December 2007 (Measured) 7 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB1, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity – 13.7 NTU Suspended Solids - 24.0 mg/L
	Mid-Flood	Turbidity – 13.6 NTU Suspended Solids – 24.0 mg/L
Limit Levels	*Mid-Ebb*	Turbidity -N/A Suspended Solids - 37.0 mg/L
	Mid-Flood	Turbidity – N/A Suspended Solids - 37.0 mg/L
Measured Levels	*Mid-Ebb*	Station IMO1 – 19.57 NTU (exceeds Action Level) Station IMO2 – 18.98 NTU (exceeds Action Level) Station MPB1 – 17.73 NTU (exceeds Action Level) Station MP – 40.17 NTU (exceeds Action Level), 37.83 mg/L (exceeds Limit Level)
	Mid-Flood	Station IMO1 – 19.37 NTU Station IMO2 – 19.88 NTU Station MPB1 – 17.15 NTU Station MP – 28.3 NTU , 44.75 mg/L
Construction Works Undertaken (at the time of monitoring event)	On 30 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December (when no dredging was undertaken), whose value was comparable to that of 30 December 2007 • Station MP, located further away from the dredger, had higher turbidity and SS levels than those of other Impact Stations • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the subsequent Mid-Flood tide at the following day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_31 Dec 07_Turb_F_Station MP [Total No. of Exceedances = 1]	
Date	31 December 2007 (Measured) 4 January 2008 (Result received by ERM)	
Monitoring Station	Station MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	10.9 NTU
	Mid-Flood	8.5 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	8.73 NTU
	Mid-Flood	9.65 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 31 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December (when no dredging was undertaken), whose value was higher than that of 31 December 2007 • Station MP, located further away from the dredger, had higher turbidity and SS levels than those of other Impact Stations • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Monitoring was repeated the following day and no exceedance of Action and Limit Levels of all parameters was found The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	12/29/07
Weather & Ambient Temperature	Sunny, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:28-11:30							
Water Depth (m)	16.1							
Monitoring Depth (m)	1.0		8.1		15.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.2	21.2	21.2	21.2	21.1	21.2	21.19	-
Salinity (ppt)	38.8	39.4	40.1	39.2	39.5	41.3	39.71	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	122.3	124.4	125.1	123.0	124.5	127.0	124.48	-
D.O. (mg/L)	8.7	8.8	8.8	8.7	8.8	8.9	8.77	8.83
Turbidity (NTU)	6.0	5.7	9.5	9.4	14.7	14.2	9.92	-
SS (mg/L)	6.0	6.0	6.0	6.0	9.0	9.0	6.17	-
Remarks	Dredging works was observed							

Station	C3 (NM6)							
Time (hh:mm)	12:47-12:48							
Water Depth (m)	6.7							
Monitoring Depth (m)	1.0		3.4		5.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.0	20.9	21.0	21.1	21.0	21.00	-
Salinity (ppt)	38.7	38.5	39.8	38.7	38.9	39.0	38.78	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	110.9	110.9	110.3	111.8	113.0	110.9	111.25	-
D.O. (mg/L)	7.8	7.9	7.8	7.9	8.0	7.9	7.90	7.95
Turbidity (NTU)	19.2	19.0	23.5	23.6	29.2	28.0	23.73	-
SS (mg/L)	13.0	15.0	14.0	14.0	21.0	20.0	16.17	-
Remarks	Dredging works was observed							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:56-11:58						Northing	Easting
Water Depth (m)	10.6						22.21.374	113.54.221
Monitoring Depth (m)	1.0		5.3		9.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.6	21.6	21.6	21.0	21.2	21.33	-
Salinity (ppt)	38.4	37.5	38.2	37.8	38.6	38.1	38.05	-
pH	7.9	7.9	7.9	7.9	8.0	7.9	7.94	
D.O. Saturation (%)	109.6	109.4	108.0	109.4	109.4	117.8	110.57	-
D.O. (mg/L)	7.8	7.8	7.6	7.8	7.8	8.4	7.86	8.07
Turbidity (NTU)	10.3	10.2	19.1	20.7	37.4	37.9	22.60	-
SS (mg/L)	9.0	9.0	11.0	11.0	18.0	19.0	12.83	-
Remarks	Dredging works was observed							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:49-11:52						Northing	Easting
Water Depth (m)	8.7						22.21.041	113.54.337
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.1	21.1	21.1	21.1	20.0	21.1	20.92	-
Salinity (ppt)	37.4	37.7	37.6	37.5	38.1	37.8	37.71	-
pH	7.9	8.0	8.0	7.9	7.9	7.9	7.94	
D.O. Saturation (%)	115.8	113.8	113.0	114.6	120.1	114.2	115.22	-
D.O. (mg/L)	8.3	8.1	8.1	8.2	8.7	8.1	8.25	8.44
Turbidity (NTU)	6.5	6.3	15.6	15.7	36.7	35.5	19.48	-
SS (mg/L)	7.0	9.0	8.0	9.0	8.0	10.0	8.50	-
Remarks	Dredging works was observed							

Station	MPB1							
Time (hh:mm)	12:19-12.21							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.0	21.0	21.0	21.1	21.0	20.99	-
Salinity (ppt)	38.3	38.5	38.4	38.6	38.3	38.8	38.47	-
pH	7.9	8.0	7.9	8.0	7.9	8.0	7.94	
D.O. Saturation (%)	111.2	110.5	111.4	109.8	113.5	110.2	111.45	-
D.O. (mg/L)	7.8	7.9	7.9	7.8	8.2	7.8	7.94	8.03
Turbidity (NTU)	11.1	11.9	15.6	15.8	28.1	28.2	17.78	-
SS (mg/L)	12.0	12.0	10.0	10.0	12.0	13.0	11.67	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB2							
Time (hh:mm)	12.30-12:32							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	21.0	21.0	20.9	21.0	21.1	20.78	-
Salinity (ppt)	39.7	38.9	38.7	38.8	39.1	39.0	39.97	-
pH	7.9	7.9	7.9	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	112.1	110.0	111.4	110.8	111.2	112.3	111.85	-
D.O. (mg/L)	8.1	7.9	7.9	7.9	7.9	8.0	7.94	7.93
Turbidity (NTU)	22.3	22.1	31.6	31.2	41.3	41.7	31.70	-
SS (mg/L)	17.0	15.0	18.0	18.0	31.0	29.0	21.00	-
Remarks	Dredging works and brownish water color were observed.							

Station	MP							
Time (hh:mm)	12:11-12.12							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.5	-	-	20.9	21.0	21.09	-
Salinity (ppt)	37.6	37.3	-	-	38.2	37.8	37.75	-
pH	7.9	7.9	-	-	8.0	7.9	7.94	
D.O. Saturation (%)	114.5	112.0	-	-	113.2	121.7	115.35	-
D.O. (mg/L)	8.2	8.0	-	-	8.1	8.7	8.23	8.40
Turbidity (NTU)	36.7	38.7	-	-	54.6	54.3	45.58	-
SS (mg/L)	37.0	37.0	-	-	47.0	43.0	41.00	-
Remarks	Dredging works and brownish water color were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.7	4.0	8.4	8.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	5.3	5.5	8.3	8.3	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	21.9	NA	Y	NA	N	NA	N	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	15.8	15.8	N	N	N	N	N	N	N	N	Y	Y

Sampling Date	12/29/07
Weather & Ambient Temperature	Cloudy, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	15:10-15:12							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.1	21.1	21.0	21.0	21.0	21.1	21.04	-
Salinity (ppt)	41.3	41.2	41.8	41.9	41.8	41.5	41.59	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.04	
D.O. Saturation (%)	110.9	111.0	110.9	110.5	111.0	112.2	111.08	-
D.O. (mg/L)	7.8	7.8	7.7	7.7	7.8	7.8	7.76	7.79
Turbidity (NTU)	8.7	9.0	14.9	14.9	15.1	15.7	13.05	-
SS (mg/L)	9.0	8.0	9.0	8.0	7.0	7.0	8.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	15:11-15:13							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	21.0	21.0	19.9	21.7	21.1	20.77	-
Salinity (ppt)	39.6	38.7	38.8	39.6	39.2	40.2	39.38	-
pH	8.0	8.0	8.0	8.0	8.0	8.1	7.98	
D.O. Saturation (%)	116.5	113.8	114.8	118.0	119.5	115.5	116.35	-
D.O. (mg/L)	8.4	8.1	8.2	8.5	8.4	8.1	8.27	8.25
Turbidity (NTU)	9.3	9.3	11.5	11.8	22.0	22.2	14.35	-
SS (mg/L)	9.0	11.0	11.0	13.0	10.0	11.0	10.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:34-15:35						Northing	Easting
Water Depth (m)	10.5						22.21.367	113.54.121
Monitoring Depth (m)	1.0		5.3		9.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.1	21.2	21.2	21.1	19.9	21.2	20.94	-
Salinity (ppt)	40.3	40.1	40.4	40.5	42.1	40.5	40.64	-
pH	8.0	8.0	8.0	8.0	8.1	8.0	8.02	
D.O. Saturation (%)	113.7	114.9	116.5	114.6	116.3	119.7	115.95	-
D.O. (mg/L)	8.0	8.1	8.2	8.1	8.3	8.39	8.16	8.33
Turbidity (NTU)	21.9	21.8	16.6	16.9	18.7	19.1	19.23	-
SS (mg/L)	18.0	18.0	21.0	20.0	44.0	44.0	27.50	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB2							
Time (hh:mm)	15:01-15:03							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.1	21.1	21.2	21.2	21.6	21.19	-
Salinity (ppt)	37.5	37.0	37.7	37.4	37.9	38.5	37.65	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	116.7	121.3	121.9	123.1	127.4	120.6	122.33	-
D.O. (mg/L)	8.8	8.7	8.7	8.8	9.1	8.5	8.72	8.79
Turbidity (NTU)	12.0	12.2	9.4	9.3	13.7	13.1	11.62	-
SS (mg/L)	14.0	14.0	16.0	13.0	11.0	9.0	12.83	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	15:41-15:44						Northing	Easting
Water Depth (m)	8.9						22.21.000	113.54.275
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.1	21.0	21.0	21.0	21.0	21.01	-
Salinity (ppt)	40.8	40.8	41.3	41.4	41.4	41.3	41.15	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.03	
D.O. Saturation (%)	113.1	112.1	113.3	112.1	112.3	115.1	113.00	-
D.O. (mg/L)	7.9	7.9	7.9	7.8	7.9	8.06	7.92	7.96
Turbidity (NTU)	7.4	7.9	11.9	10.9	14.1	14.5	11.10	-
SS (mg/L)	9.0	7.0	12.0	9.0	8.0	8.0	8.83	-
Remarks	Dredging works was observed							

Station	MP							
Time (hh:mm)	15:21-15.23							
Water Depth (m)	6.2							
Monitoring Depth (m)	1.0		3.1		5.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.0	21.0	19.9	21.0	21.2	21.0	20.85	-
Salinity (ppt)	38.8	38.7	39.7	38.8	38.2	38.9	38.86	-
pH	8.0	7.9	7.9	8.0	7.9	8.0	7.96	
D.O. Saturation (%)	111.1	111.3	113.4	111.2	118.2	111.3	112.75	-
D.O. (mg/L)	7.9	7.9	8.2	7.9	8.4	7.9	8.03	8.15
Turbidity (NTU)	16.4	16.0	17.9	17.2	18.4	18.1	17.33	-
SS (mg/L)	15.0	17.0	16.0	14.0	15.0	18.0	15.83	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.8	7.8	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.8	7.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	17.0	NA	Y	NA	N	NA	N	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	10.4	10.4	Y	N	N	N	N	N	N	N	N	N

Sampling Date	12/3007
Weather & Ambient Temperature	Sunny, 27C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:48-11:50							
Water Depth (m)	16.3							
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.7	20.8	20.8	20.8	20.8	20.7	20.59	-
Salinity (ppt)	40.0	39.1	38.9	39.4	40.0	39.0	39.40	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	125.7	126.8	124.8	127.0	126.1	125.7	126.35	-
D.O. (mg/L)	9.1	9.0	8.9	9.0	9.1	9.0	9.01	9.02
Turbidity (NTU)	7.6	7.1	10.1	10.5	13.0	13.1	10.23	-
SS (mg/L)	26.0	25.0	22.0	20.0	18.0	16.0	21.17	-
Remarks	Dredging works was observed							

Station	C3 (NM5)							
Time (hh:mm)	13:07-13:09							
Water Depth (m)	6.5							
Monitoring Depth (m)	1.0		3.3		5.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.6	21.0	20.6	20.4	20.6	20.5	20.61	-
Salinity (ppt)	39.9	39.7	40.0	40.3	40.2	40.2	40.02	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	125.1	122.6	126.0	123.1	129.2	123.6	124.93	-
D.O. (mg/L)	8.9	8.7	9.0	8.8	9.2	8.8	8.87	8.98
Turbidity (NTU)	9.7	9.5	10.4	10.5	12.1	12.2	10.73	-
SS (mg/L)	12.0	11.0	16.0	15.0	19.0	18.0	15.17	-
Remarks	Dredging works was observed							

Station	MPB1							
Time (hh:mm)	12:40-12:42							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	20.7	21.3	19.6	20.7	20.7	20.42	-
Salinity (ppt)	39.4	38.2	37.9	39.6	38.6	38.5	38.68	-
pH	8.0	8.0	8.0	8.1	8.0	8.0	8.04	
D.O. Saturation (%)	116.7	116.1	115.1	116.4	115.6	115.6	116.08	-
D.O. (mg/L)	8.5	8.3	8.2	8.4	8.3	8.3	8.34	8.30
Turbidity (NTU)	9.7	9.6	14.3	14.9	27.2	27.2	17.15	-
SS (mg/L)	12.0	10.0	13.0	14.0	22.0	26.0	16.17	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:17-12:19						Northing	Easting
Water Depth (m)	10.7						22 20 590	113.53.787
Monitoring Depth (m)	1.0		5.4		9.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	20.8	19.7	20.8	20.9	20.8	20.44	-
Salinity (ppt)	39.8	38.5	38.5	38.7	38.4	38.7	38.94	-
pH	8.1	8.0	8.0	8.1	8.0	8.0	8.04	
D.O. Saturation (%)	118.4	117.9	119.9	116.6	122.5	118.9	118.73	-
D.O. (mg/L)	9.6	8.4	8.7	8.3	9.7	8.3	8.52	8.54
Turbidity (NTU)	18.8	18.4	19.7	18.2	20.0	21.1	19.37	-
SS (mg/L)	19.0	19.0	21.0	18.0	28.0	25.0	21.33	-
Remarks	Dredging works was observed							

Station	MPB2							
Time (hh:mm)	12:51-12:52							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.8	20.9	20.8	20.7	20.8	20.9	20.80	-
Salinity (ppt)	39.6	39.2	39.4	39.9	39.7	39.3	39.50	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	117.7	117.8	118.4	116.9	117.1	119.6	117.82	-
D.O. (mg/L)	8.3	8.4	8.4	8.3	8.3	8.5	8.36	8.40
Turbidity (NTU)	7.5	7.8	11.7	11.8	13.7	13.4	10.86	-
SS (mg/L)	8.0	9.0	10.0	11.0	14.0	14.0	11.00	-
Remarks	Dredging works was observed							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:09-12:12						Northing	Easting
Water Depth (m)	8.5						22.21.032	113.54.227
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.3	20.7	20.8	20.8	20.7	20.8	20.84	-
Salinity (ppt)	37.3	38.0	37.9	37.7	37.8	37.7	37.70	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.03	
D.O. Saturation (%)	121.4	121.5	121.5	122.5	122.1	123.1	122.02	-
D.O. (mg/L)	8.7	8.7	8.7	8.8	8.8	8.8	8.75	8.80
Turbidity (NTU)	15.7	15.7	20.5	20.7	23.5	23.2	19.88	-
SS (mg/L)	21.0	17.0	22.0	20.0	25.0	26.0	21.83	-
Remarks	Dredging works was observed							

Station	MP							
Time (hh:mm)	12:31-12:32							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.5	20.6	-	-	20.5	20.6	20.54	-
Salinity (ppt)	37.6	37.7	-	-	37.7	37.7	37.66	-
pH	8.0	8.0	-	-	8.0	8.0	8.00	
D.O. Saturation (%)	119.5	118.3	-	-	118.7	121.7	119.55	-
D.O. (mg/L)	8.8	8.5	-	-	8.6	8.8	8.62	8.66
Turbidity (NTU)	28.3	26.5	-	-	28.3	28.1	28.30	-
SS (mg/L)	39.0	38.0	-	-	52.0	50.0	44.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.0	9.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	8.9	8.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	13.6	NA	Y	NA	Y	NA	Y	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	23.6	23.6	N	N	N	N	N	N	N	N	Y	Y

Sampling Date	12/30/07
Weather & Ambient Temperature	Fine, 18C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	16:58-17:00							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.8	20.8	20.8	20.8	20.8	20.7	20.77	-
Salinity (ppt)	39.0	39.1	39.2	39.1	39.1	39.3	39.13	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	118.2	119.7	120.1	119.7	123.2	121.4	120.38	-
D.O. (mg/L)	8.4	8.5	8.6	8.5	8.8	8.7	8.57	8.71
Turbidity (NTU)	7.2	7.6	11.5	11.6	12.8	12.7	10.57	-
SS (mg/L)	9.0	11.0	9.0	9.0	14.0	12.0	10.67	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	15:59-16:01							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.8	20.8	20.8	20.8	20.9	19.9	20.65	-
Salinity (ppt)	38.6	39.0	38.8	39.1	39.1	39.6	39.02	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.05	
D.O. Saturation (%)	115.4	114.5	115.9	114.8	114.3	120.4	115.78	-
D.O. (mg/L)	8.2	8.2	8.3	8.1	8.1	8.7	8.27	8.41
Turbidity (NTU)	10.4	10.7	16.5	16.1	26.1	26.6	17.73	-
SS (mg/L)	10.0	14.0	11.0	16.0	18.0	19.0	14.67	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	16:22-16:23						Northing	Easting
Water Depth (m)	10.4						22.21.367	113.54.236
Monitoring Depth (m)	1.0		5.2		9.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.8	20.8	20.7	20.8	20.7	20.8	20.77	-
Salinity (ppt)	38.9	39.0	38.9	39.0	38.9	38.9	38.91	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.05	
D.O. Saturation (%)	117.0	116.6	116.9	116.5	117.0	117.1	116.85	-
D.O. (mg/L)	8.3	8.3	8.3	8.3	8.4	8.34	8.33	8.35
Turbidity (NTU)	15.5	15.5	19.6	19.6	23.3	23.9	19.57	-
SS (mg/L)	19.0	19.0	25.0	25.0	23.0	23.0	22.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	15:49-15:51							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.8	20.8	19.8	20.8	21.1	21.3	20.74	-
Salinity (ppt)	40.0	40.5	41.9	40.1	39.7	40.1	40.38	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	116.9	115.7	117.2	117.4	120.0	115.4	117.10	-
D.O. (mg/L)	8.3	8.2	8.4	8.3	8.5	8.1	8.28	8.28
Turbidity (NTU)	7.6	7.5	11.9	11.7	13.6	13.8	11.02	-
SS (mg/L)	9.0	10.0	12.0	11.0	14.0	13.0	11.33	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	16:29-16:32						Northing	Easting
Water Depth (m)	8.9						22.20.994	113.54.319
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.3	20.7	20.7	20.7	20.7	19.6	20.51	-
Salinity (ppt)	38.0	38.3	38.2	38.5	38.5	39.2	38.44	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.04	
D.O. Saturation (%)	118.2	120.1	120.3	119.0	119.5	122.2	119.88	-
D.O. (mg/L)	8.4	8.6	8.6	8.5	8.8	8.89	8.60	8.72
Turbidity (NTU)	15.2	15.7	19.6	19.9	21.3	22.2	18.98	-
SS (mg/L)	6.0	8.0	9.0	9.0	12.0	20.0	10.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	16:09-16:11							
Water Depth (m)	6.2							
Monitoring Depth (m)	1.0		3.1		5.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	20.5	20.4	20.3	20.3	20.5	20.21	-
Salinity (ppt)	39.1	37.9	38.0	38.1	38.2	38.0	38.19	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.03	
D.O. Saturation (%)	118.9	117.2	117.3	117.8	117.5	117.6	117.72	-
D.O. (mg/L)	8.7	8.5	8.5	8.5	8.5	8.5	8.51	8.48
Turbidity (NTU)	35.5	35.2	41.8	41.5	43.1	43.9	40.17	-
SS (mg/L)	34.0	41.0	36.0	37.0	40.0	39.0	37.83	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	8.7	8.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	8.6	8.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	13.7	NA	Y	NA	Y	NA	Y	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	13.9	13.9	N	N	N	N	N	N	N	N	Y	Y

Sampling Date	12/01/07
Weather & Ambient Temperature	Sunny, 25C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	12:07-12:09							
Water Depth (m)	16.3							
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	20.0	20.1	20.0	20.0	20.0	19.87	-
Salinity (ppt)	40.5	39.0	40.4	39.1	41.5	39.4	40.04	-
pH	8.2	8.2	8.1	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	132.3	130.2	131.2	130.6	133.3	131.2	131.47	-
D.O. (mg/L)	9.8	9.4	9.4	9.4	9.5	9.5	9.46	9.47
Turbidity (NTU)	5.5	5.3	7.5	7.3	10.1	10.7	7.73	-
SS (mg/L)	7.0	9.0	10.0	11.0	15.0	13.0	10.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	13:33-13:34							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		3.3		5.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.4	20.4	20.4	20.0	20.0	20.4	20.26	-
Salinity (ppt)	38.7	38.6	38.7	39.0	39.0	38.8	38.81	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	127.3	128.1	127.4	129.6	131.8	127.1	128.52	-
D.O. (mg/L)	9.1	9.2	9.2	9.4	9.5	9.1	9.25	9.33
Turbidity (NTU)	5.2	5.3	5.2	5.5	5.7	5.6	5.42	-
SS (mg/L)	9.0	7.0	8.0	9.0	9.0	13.0	9.00	-
Remarks	Dredging works was observed.							

Station	IM01						Co-ordinates	
Time (hh:mm)	12:41-12:42						Northing	Easting
Water Depth (m)	10.3						22 21.335	113 54.090
Monitoring Depth (m)	1.0		5.2		9.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	20.1	20.0	20.0	20.1	20.1	20.15	-
Salinity (ppt)	38.3	38.4	37.8	38.4	38.2	38.4	38.25	-
pH	8.2	8.2	8.1	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	122.7	122.3	122.3	122.4	123.5	122.5	122.62	-
D.O. (mg/L)	8.9	8.9	8.8	8.9	8.9	8.9	8.88	8.91
Turbidity (NTU)	4.4	4.8	5.2	5.1	5.2	5.0	4.95	-
SS (mg/L)	7.0	9.0	5.0	9.0	7.0	11.0	7.83	-
Remarks	Dredging works was observed.							

Station	IM02						Co-ordinates	
Time (hh:mm)	12:32-12:33						Northing	Easting
Water Depth (m)	8.7						22 21.023	113 54.212
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.2	20.1	20.5	20.2	20.1	20.2	20.22	-
Salinity (ppt)	37.9	38.1	37.8	37.9	38.0	37.9	37.89	-
pH	8.1	8.2	8.2	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	126.5	125.3	124.8	126.9	126.0	127.9	126.23	-
D.O. (mg/L)	9.2	9.1	9.0	9.2	9.1	9.3	9.14	9.21
Turbidity (NTU)	4.6	4.6	5.3	5.1	5.7	6.5	5.50	-
SS (mg/L)	8.0	10.0	6.0	9.0	12.0	11.0	9.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:05-13:07							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.0	20.0	20.0	20.1	20.0	20.5	20.12	-
Salinity (ppt)	39.0	38.9	39.0	39.0	39.0	38.5	38.89	-
pH	8.2	8.2	8.1	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	123.8	124.8	125.3	124.1	125.5	125.3	124.60	-
D.O. (mg/L)	8.9	9.0	9.1	9.0	9.1	9.0	9.00	9.02
Turbidity (NTU)	3.4	3.4	5.1	5.0	6.0	5.8	4.78	-
SS (mg/L)	5.0	6.0	5.0	5.0	7.0	5.0	5.50	-
Remarks	Dredging works was observed							

Station	MPB2							
Time (hh:mm)	13:15-13:16							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	20.3	19.8	19.8	19.9	18.7	19.73	-
Salinity (ppt)	39.2	39.7	39.2	39.3	39.1	40.4	39.30	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	124.1	123.7	124.5	124.1	125.0	125.0	124.50	-
D.O. (mg/L)	9.0	8.9	9.0	9.0	9.0	9.2	9.02	9.13
Turbidity (NTU)	7.0	7.1	7.4	7.3	7.2	7.1	7.18	-
SS (mg/L)	9.0	8.0	9.0	9.0	10.0	7.0	8.67	-
Remarks	Dredging works was observed							

Station	MP							
Time (hh:mm)	12:54-12:55							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.0	19.9	-	-	20.4	19.9	20.06	-
Salinity (ppt)	37.8	37.8	-	-	37.6	37.9	37.77	-
pH	8.1	8.1	-	-	8.1	8.1	8.09	
D.O. Saturation (%)	128.9	124.2	-	-	131.4	126.8	127.85	-
D.O. (mg/L)	9.4	9.1	-	-	9.5	9.2	9.29	9.37
Turbidity (NTU)	9.1	9.2	-	-	10.2	10.1	9.65	-
SS (mg/L)	8.0	10.0	-	-	9.0	11.0	9.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IM01		IM02		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.4	9.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.4	9.4	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.5	NA	N	NA	N	NA	N	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	12.9	12.9	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/31/07
Weather & Ambient Temperature	Fine, 15C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	18:13-18:16							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.0	19.0	20.0	20.0	19.0	20.5	19.75	-
Salinity (ppt)	39.0	40.2	39.0	39.2	40.0	38.6	39.31	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	126.6	124.1	128.3	123.3	130.1	123.2	125.93	-
D.O. (mg/L)	9.1	9.1	9.3	8.9	9.5	8.8	9.12	9.18
Turbidity (NTU)	5.3	5.2	9.8	9.4	10.4	10.2	8.39	-
SS (mg/L)	8.0	7.0	10.0	10.0	12.0	14.0	10.17	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	17:14-17:16							
Water Depth (m)	8.1							
Monitoring Depth (m)	1.0		4.1		7.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	18.9	20.1	20.0	20.2	20.0	19.71	-
Salinity (ppt)	39.7	39.8	38.6	38.8	38.6	38.8	39.05	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	127.8	126.7	128.6	125.2	132.6	126.1	127.83	-
D.O. (mg/L)	9.4	9.3	9.3	9.1	9.6	9.1	9.28	9.34
Turbidity (NTU)	3.0	3.3	4.4	4.5	5.5	5.4	4.35	-
SS (mg/L)	5.0	6.0	4.0	16.0	6.0	6.0	7.17	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	17:37-17:39						Northing	Easting
Water Depth (m)	11.3						22,21,354	113,54,091
Monitoring Depth (m)	1.0		5.7		10.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.0	20.0	20.5	20.0	20.0	20.0	20.12	-
Salinity (ppt)	38.5	38.5	38.2	38.5	38.5	38.5	38.45	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	121.9	121.7	121.0	122.0	122.2	122.0	121.80	-
D.O. (mg/L)	8.8	8.8	8.7	8.8	8.9	8.83	8.81	8.84
Turbidity (NTU)	3.6	3.6	3.5	3.8	3.9	3.7	3.68	-
SS (mg/L)	6.0	4.0	7.0	5.0	6.0	7.0	5.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	17:04-17:07							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.9	19.9	20.0	19.0	19.9	19.76	-
Salinity (ppt)	39.0	38.9	39.0	38.8	39.9	39.0	39.10	-
pH	8.2	8.1	8.2	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	124.3	126.2	124.1	127.2	132.1	125.4	126.55	-
D.O. (mg/L)	9.0	9.1	9.0	9.2	9.7	9.1	9.18	9.37
Turbidity (NTU)	7.9	8.0	9.7	9.6	12.2	12.4	9.97	-
SS (mg/L)	8.0	8.0	10.0	9.0	11.0	8.0	9.00	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	17:44-17:47						Northing	Easting
Water Depth (m)	9.1						22,21,030	113,54,212
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	20.1	20.1	20.1	20.1	20.1	20.10	-
Salinity (ppt)	38.2	38.3	38.2	38.2	38.3	38.2	38.21	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.15	
D.O. Saturation (%)	123.7	124.0	124.9	123.8	124.0	125.1	124.25	-
D.O. (mg/L)	9.0	9.0	9.1	9.0	9.0	9.07	9.00	9.03
Turbidity (NTU)	3.8	3.9	4.1	4.2	4.2	4.2	4.07	-
SS (mg/L)	8.0	6.0	9.0	7.0	12.0	8.0	8.33	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	17:24-17:26							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.0	20.4	-	-	19.9	20.5	20.18	-
Salinity (ppt)	37.8	37.4	-	-	38.0	37.5	37.69	-
pH	8.1	8.1	-	-	8.1	8.1	8.11	
D.O. Saturation (%)	124.3	123.0	-	-	123.8	127.1	124.55	-
D.O. (mg/L)	9.0	8.9	-	-	9.0	9.2	9.04	9.10
Turbidity (NTU)	8.1	8.4	-	-	9.2	9.2	8.73	-
SS (mg/L)	8.0	9.0	-	-	8.0	10.0	9.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.2	9.2	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.1	9.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.9	NA	N	NA	N	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	13.2	13.2	N	N	N	N	N	N	N	N	N	N

Facsimile message

Environmental Resources Management

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Island East, Hong Kong
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Facsimile: (852) 2723 5660
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fax 4 Feb 2008

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
From	Craig Reid
Ref/Project number	*0018105_NOE_20080204.doc*
Subject	Notification of Exceedance for Water Quality
Date	4 February 2008

ERM

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0018105_09 Jan 08_Turb_E_Station IMO1
0018105_09 Jan 08_Turb_E_StationMPB1
0018105_10 Jan 08_Turb_F_Station MP
0018105_10 Jan 08_Turb_F_Station MPB1
0018105_11 Jan 08_Turb_F_Station MP
0018105_11 Jan 08_SS_F_Station MP
0018105_11 Jan 08_Turb_E_Station IMO1
0018105_11 Jan 08_Turb_E_Station IMO2
0018105_12 Jan 08_Turb_F_Station MP
0018105_12 Jan 08_Turb_F_Station MPB2
0018105_12 Jan 08_Turb_F_Station IMO2
0018105_12 Jan 08_Turb_E_Station IMO2
0018105_13 Jan 08_Turb_F_Station MP
0018105_13 Jan 08_Turb_F_Station MPB1
0018105_13 Jan 08_Turb_F_Station MPB2
0018105_13 Jan 08_Turb_F_Station IMO2
0018105_13 Jan 08_Turb_E_Station MP
0018105_13 Jan 08_Turb_E_Station MPB1
0018105_13 Jan 08_Turb_E_Station MPB2
0018105_13 Jan 08_Turb_E_Station IMO1
0018105_13 Jan 08_Turb_E_Station IMO2
0018105_14 Jan 08_Turb_F_Station MP
0018105_14 Jan 08_Turb_F_Station IMO2
0018105_14 Jan 08_Turb_E_Station MP
0018105_14 Jan 08_Turb_E_Station MPB1
0018105_14 Jan 08_Turb_E_Station MPB2
0018105_14 Jan 08_Turb_E_Station IMO1
0018105_14 Jan 08_Turb_E_Station IMO2
0018105_15 Jan 08_Turb_F_Station MP
0018105_15 Jan 08_Turb_F_Station MPB1
0018105_15 Jan 08_Turb_F_Station IMO1
0018105_15 Jan 08_Turb_E_Station MP
0018105_15 Jan 08_Turb_E_Station MPB1
0018105_15 Jan 08_Turb_E_Station MPB2
0018105_15 Jan 08_Turb_E_Station IMO1
0018105_17 Jan 08_Turb_F_Station IMO1
0018105_17 Jan 08_Turb_F_Station IMO2
0018105_17 Jan 08_Turb_F_Station MPB2
0018105_17 Jan 08_Turb_E_Station IMO2
0018105_18 Jan 08_Turb_F_Station IMO1
0018105_18 Jan 08_Turb_F_Station IMO2
0018105_18 Jan 08_Turb_F_Station MP
0018105_18 Jan 08_Turb_F_Station MPB2

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

Facsimile
message

0018105_18 Jan 08_Turb_E_Station IMO1
0018105_18 Jan 08_Turb_E_Station IMO2
0018105_18 Jan 08_Turb_E_Station MP
0018105_18 Jan 08_Turb_E_Station MPB2
0018105_19 Jan 08_Turb_E_Station MPB1
0018105_19 Jan 08_Turb_E_Station MP
0018105_20 Jan 08_Turb_F_Station MP
0018105_20 Jan 08_Turb_F_Station MPB1
0018105_20 Jan 08_Turb_F_Station MPB2
0018105_20 Jan 08_Turb_E_Station MPB1
0018105_21 Jan 08_Turb_F_Station MP
0018105_21 Jan 08_Turb_F_Station MPB2
0018105_21 Jan 08_Turb_F_Station IMO1
0018105_21 Jan 08_Turb_F_Station IMO2
0018105_21 Jan 08_Turb_E_Station MPB2
0018105_21 Jan 08_Turb_E_Station IMO1
0018105_21 Jan 08_Turb_E_Station IMO2
0018105_22 Jan 08_Turb_F_Station IMO1
0018105_22 Jan 08_Turb_E_Station MPB2
0018105_22 Jan 08_Turb_E_Station IMO1
0018105_22 Jan 08_Turb_E_Station IMO2
0018105_23 Jan 08_Turb_F_Station IMO1
0018105_23 Jan 08_Turb_F_Station IMO2
0018105_23 Jan 08_Turb_F_Station MP
0018105_23 Jan 08_Turb_F_Station MPB1
0018105_23 Jan 08_Turb_F_Station MPB2
0018105_23 Jan 08_SS_F_Station MP
0018105_23 Jan 08_Turb_E_Station MPB1
0018105_23 Jan 08_SS_E_Station MPB1
0018105_25 Jan 08_Turb_F_Station MP
0018105_25 Jan 08_Turb_F_Station MP
0018105_25 Jan 08_Turb_E_Station MPB2
0018105_25 Jan 08_Turb_E_Station IMO1
0018105_27 Jan 08_Turb_F_Station IMO1
0018105_27 Jan 08_Turb_F_Station IMO2
0018105_27 Jan 08_Turb_F_Station MP
0018105_27 Jan 08_Turb_F_Station MPB2
0018105_29 Jan 08_Turb_F_Station IMO3
0018105_29 Jan 08_Turb_F_Station MP
0018105_29 Jan 08_SS_F_Station MP

recorded from 9 January to 29 January 2008.

Regards,

Craig Reid
Environmental Team Leader

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_09 Jan 08_Turb_E_Station IMO1** **0018105_09 Jan 08_Turb_E_StationMPB1** **[Total No. of Exceedances = 2]**	
Date	9 January 2008 (Measured) 14 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.4 NTU
	Mid-Flood	17.9 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 8.98 NTU (exceeds Action Level) Station MPB1 – 9.28 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 –13.20 NTU Station MPB1 – 12.33 NTU
Construction Works Undertaken (at the time of monitoring event)	On 9 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude of 9 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_10 Jan 08_Turb_F_Station MP** **0018105_10 Jan 08_Turb_F_Station MPB1** **[Total No. of Exceedances = 2]**	
Date	10 January 2008 (Measured) 15 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	25.2
	Mid-Flood	17.1
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MP – 8.78 Station MPB1 – 14.72
	Mid-Flood	Station MP – 21.25 (exceeds Action Level) Station MPB1 – 21.70 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 10 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have lower Turbidity levels than those of MPB1 and MP • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_11 Jan 08_Turb_F_Station MP** **0018105_11 Jan 08_SS_F_Station MP** **[Total No. of Exceedances = 2]**	
Date	11 January 2008 (Measured) 16 January 2008 (Result received by ERM)	
Monitoring Station	Station MP	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity = 9.8, SS = 24.0
	Mid-Flood	Turbidity = 27.4, SS = 24.0
Limit Levels	*Mid-Ebb*	Turbidity = N/A, SS = 37.0
	Mid-Flood	Turbidity = N/A, SS = 37.0
Measured Levels	*Mid-Ebb*	Turbidity = 8.10, SS = 8.00
	Mid-Flood	Turbidity = 28.13 (exceeds Action Level) SS = 28.25 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 11 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have lower Turbidity and SS levels than those of MPB1 and MP The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_11 Jan 08_Turb_E_Station IMO1** **0018105_11 Jan 08_Turb_E_Station IMO2** **Total No. of Exceedances = 2**	
Date	11 January 2008 (Measured) 16 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	9.8
	Mid-Flood	27.4
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	IMO1 = 9.83 (exceeds Action Level) IMO2 = 14.2 (exceeds Action Level)
	Mid-Flood	IMO1 = 20.72 IMO2 = 10.00
Construction Works Undertaken (at the time of monitoring event)	On 11 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude of 11 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_12 Jan 08_Turb_F_Station MP** **0018105_12 Jan 08_Turb_F_Station MPB2** **0018105_12 Jan 08_Turb_F_Station IMO2** **[Total No. of Exceedances = 3]**	
Date	12 January 2008 (Measured) 16 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB2, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	11.1
	Mid-Flood	16.0
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 8.93 MPB2 = 10.47 IMO2 = 11.83
	Mid-Flood	MP = 17.05 (exceeds Action Level) MPB2 = 16.78 (exceeds Action Level) IMO2 = 19.03 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 12 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Station IMO1, which is located closer to the dredger, has lower Turbidity levels than those of IMO2, MPB1 and MP The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken/To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_12 Jan 08_Turb_E_Station IMO2 [Total No. of Exceedances = 1]**	
Date	12 January 2008 (Measured) 16 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	11.1
	Mid-Flood	16.0
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	11.83 (exceeds Action Level)
	Mid-Flood	19.03
Construction Works Undertaken (at the time of monitoring event)	On 12 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude of 12 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_13 Jan 08_Turb_F_Station MP** **0018105_13 Jan 08_Turb_F_Station MPB1** **0018105_13 Jan 08_Turb_F_Station MPB2** **0018105_13 Jan 08_Turb_F_Station IMO2** **[Total No. of Exceedances = 4]**
Date		13 January 2008 (Measured) 18 January 2008 (Result received by ERM)
Monitoring Station		Stations MP, MPB1, MPB2, IMO2
Parameter		Depth-averaged Turbidity (NTU)
Action Levels	*Mid-Ebb*	14.3
	Mid-Flood	15.7
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 18.98 MPB1 = 31.62 MPB2 = 25.68 IMO2 = 26.50
	Mid-Flood	MP = 19.25 (exceeds Action Level) MPB1 = 37.73 (exceeds Action Level) MPB2 = 19.95 (exceeds Action Level) IMO2 = 24.33(exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)		On 13 January, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_13 Jan 08_Turb_E_Station MP** **0018105_13 Jan 08_Turb_E_Station MPB1** **0018105_13 Jan 08_Turb_E_Station MPB2** **0018105_13 Jan 08_Turb_E_Station IMO1** **0018105_13 Jan 08_Turb_E_Station IMO2** **[Total No. of Exceedances = 4]**
Date		13 January 2008 (Measured) 18 January 2008 (Result received by ERM)
Monitoring Station		Stations MP, MPB1, MPB2, IMO1, IMO2
Parameter		Depth-averaged Turbidity (NTU)
Action Levels	*Mid-Ebb*	14.3
	Mid-Flood	15.7
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 18.98 (exceeds Action Level) MPB1 = 31.62 (exceeds Action Level) MPB2 = 25.68 (exceeds Action Level) IMO1 = 15.27 (exceeds Action Level) IMO2 = 26.50 (exceeds Action Level)
	Mid-Flood	MP = 19.25 MPB1 = 37.73 MPB2 = 19.95 IMO1 = 14.10 IMO2 = 24.33
Construction Works Undertaken (at the time of monitoring event)		On 13 January, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1, which is located closer to the dredger, has lower Turbidity levels than those of IMPB1, MPB2 and MP • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_14 Jan 08_Turb_F_Station MP** **0018105_14 Jan 08_Turb_F_Station IMO2** **[Total No. of Exceedances = 2]**	
Date	14 January 2008 (Measured) 18 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	4.1
	Mid-Flood	10.7
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 9.73 IMO2 = 14.57
	Mid-Flood	MP = 13.48 (exceeds Action Level) IMO2 = 17.05 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 14 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: ▪ Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude of 14 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Station IMO1, which is located closer to the dredger, has lower Turbidity levels than those of IMO2 and MP The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_14 Jan 08_Turb_E_Station MP** **0018105_14 Jan 08_Turb_E_Station MPB1** **0018105_14 Jan 08_Turb_E_Station MPB2** **0018105_14 Jan 08_Turb_E_Station IMO1** **0018105_14 Jan 08_Turb_E_Station IMO2** **[Total No. of Exceedances = 5]**	
Date	14 January 2008 (Measured) 18 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MP, MPB1, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	4.1
	Mid-Flood	10.7
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 9.73 (exceeds Action Level) MPB1 = 7.91 (exceeds Action Level) MPB2 = 7.05 (exceeds Action Level) IMO1 = 18.73 (exceeds Action Level) IMO2 = 14.57 (exceeds Action Level)
	Mid-Flood	MP = 13.48 MPB1 = 9.22 MPB2 = 8.10 IMO1 = 9.32 IMO2 = 10.67
Construction Works Undertaken (at the time of monitoring event)	On 14 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude of 14 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_15 Jan 08_Turb_F_Station MP** **0018105_15 Jan 08_Turb_F_Station MPB1** **0018105_15 Jan 08_Turb_F_Station IMO1** **Total No. of Exceedances = 3**	
Date	15 January 2008 (Measured) 19 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, MP, MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.7
	Mid-Flood	6.2
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 6.18 MPB1 = 6.98 IMO1 = 6.28
	Mid-Flood	MP = 10.98 (exceeds Action Level) MPB1 = 7.12 (exceeds Action Level) IMO1 = 6.50 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 15 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 15 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Station IMO2, which is located closer to the dredger, has lower Turbidity levels than those of MPB1 and MP The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_15 Jan 08_Turb_E_Station MP** **0018105_15 Jan 08_Turb_E_Station MPB1** **0018105_15 Jan 08_Turb_E_Station MPB2** **0018105_15 Jan 08_Turb_E_Station IMO1** **|Total No. of Exceedances = 4|**	
Date	15 January 2008 (Measured) 19 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, MP, MPB1, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.7
	Mid-Flood	6.2
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 6.18 (exceeds Action Level) MPB1 = 6.98(exceeds Action Level) MPB2 = 5.92 (exceeds Action Level) IMO1 = 6.28(exceeds Action Level)
	Mid-Flood	MP = 10.98 MPB1 = 7.12 MPB2 = 4.75 IMO1 = 6.50

Construction Works Undertaken (at the time of monitoring event)	On 15 January, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 15 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Station IMO2, which is located closer to the dredger, has lower Turbidity levels than those of MPB1 and MP The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken/ To Be Taken	No action is considered necessary.
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_17 Jan 08_Turb_F_Station IMO1** **0018105_17 Jan 08_Turb_F_Station IMO2** **0018105_17 Jan 08_Turb_F_Station MPB2** **[Total No. of Exceedances = 3]**	
Date	17 January 2008 (Measured) 21 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	3.7
	Mid-Flood	4.5
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	IMO1 = 3.52 IMO2 = 4.33 MPB2 =3.27
	Mid-Flood	IMO1 = 5.65 (exceeds Action Level) IMO2 = 6.15 (exceeds Action Level) MPB2 = 4.97 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 17 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 17 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_17 Jan 08_Turb_E_Station IMO2** **[Total No. of Exceedances = 1]**	
Date	17 January 2008 (Measured) 21 January 2008 (Result received by ERM)	
Monitoring Station	Station IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	3.7
	Mid-Flood	4.5
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	4.33 (exceeds Action Level)
	Mid-Flood	6.15
Construction Works Undertaken (at the time of monitoring event)	On 17 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 17 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

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Notification of Exceedance

Log No.	**0018105_18 Jan 08_Turb_F_Station IMO1** **0018105_18 Jan 08_Turb_F_Station IMO2** **0018105_18 Jan 08_Turb_F_Station MP** **0018105_18 Jan 08_Turb_F_Station MPB2** **[Total No. of Exceedances = 4]**	
Date	18 January 2008 (Measured) 23 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MP, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	2.6
	Mid-Flood	2.7
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	IMO1 = 12.22 IMO2 = 4.20 MP = 3.80 MPB2 = 3.45
	Mid-Flood	IMO1 = 8.30 (exceeds Action Level) IMO2 = 4.35 (exceeds Action Level) MP = 2.90 (exceeds Action Level) MPB2 = 3.58 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 18 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 18 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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Notification of Exceedance

Log No.	**0018105_18 Jan 08_Turb_E_Station IMO1** **0018105_18 Jan 08_Turb_E_Station IMO2** **0018105_18 Jan 08_Turb_E_Station MP** **0018105_18 Jan 08_Turb_E_Station MPB2** **[Total No. of Exceedances = 4]**	
Date	18 January 2008 (Measured) 23 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MP, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	2.6
	Mid-Flood	2.7
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	IMO1 = 12.22 (exceeds Action Level) IMO2 = 4.20 (exceeds Action Level) MP = 3.80 (exceeds Action Level) MPB2 = 3.45 (exceeds Action Level)
	Mid-Flood	IMO1 = 8.30 IMO2 = 4.35 MP = 2.90 MPB2 = 3.58
Construction Works Undertaken (at the time of monitoring event)	On 18 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 18 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_19 Jan 08_Turb_F_Station MPB1 [Total No. of Exceedances = 1]**	
Date	19 January 2008 (Measured) 23 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.5
	Mid-Flood	4.1
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	8.30 (exceeds Action Level)
	Mid-Flood	5.23
Construction Works Undertaken (at the time of monitoring event)	On 19 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 19 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_20 Jan 08_Turb_F_Station MP** **0018105_20 Jan 08_Turb_F_Station MPB1** **0018105_20 Jan 08_Turb_F_Station MPB2** **[Total No. of Exceedances = 3]**	
Date	20 January 2008 (Measured) 23 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB1, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.5
	Mid-Flood	4.1
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 5.10 MPB1 = 8.30 MPB2 = 5.23
	Mid-Flood	MP = 6.77 (exceeds Action Level) MPB1 = 5.23 (exceeds Action Level) MPB2 = 4.77 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 20 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 20 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_20 Jan 08_Turb_E_Station MPB1** **[Total No. of Exceedances = 1]**	
Date	20 January 2008 (Measured) 23 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.5
	Mid-Flood	4.1
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	8.30 (exceeds Action Level)
	Mid-Flood	5.23
Construction Works Undertaken (at the time of monitoring event)	On 20 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 20 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken/ To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_21 Jan 08_Turb_F_Station MP** **0018105_21 Jan 08_Turb_F_Station MPB2** **0018105_21 Jan 08_Turb_F_Station IMO1** **0018105_21 Jan 08_Turb_F_Station IMO2** **[Total No. of Exceedances = 4]**	
Date	21 January 2008 (Measured) 24 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB2, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.3
	Mid-Flood	6.3
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 7.08 MPB2 = 12.58 IMO1 = 13.72 IMO2 = 9.47
	Mid-Flood	MP = 8.03 (exceeds Action Level) MPB2 = 7.48 (exceeds Action Level) IMO1 = 6.40 (exceeds Action Level) IMO2 = 7.77 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 21 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 21 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_21 Jan 08_Turb_E_Station MPB2** **0018105_21 Jan 08_Turb_E_Station IMO1** **0018105_21 Jan 08_Turb_E_Station IMO2** **[Total No. of Exceedances = 3]**	
Date	21 January 2008 (Measured) 24 January 2008 (Result received by ERM)	
Monitoring Station	Stations MP, MPB2, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.3
	Mid-Flood	6.3
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MPB2 = 12.58 (exceeds Action Level) IMO1 = 13.72 (exceeds Action Level) IMO2 = 9.47 (exceeds Action Level)
	Mid-Flood	MPB2 = 7.48 IMO1 = 6.40 IMO2 = 7.77
Construction Works Undertaken (at the time of monitoring event)	On 21 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude to those of 21 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_22 Jan 08_Turb_F_Station IMO1** **Total No. of Exceedances = 1**	
Date	22 January 2008 (Measured) 25 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.3
	Mid-Flood	8.3
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	13.72
	Mid-Flood	8.55 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 22 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 22 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_22 Jan 08_Turb_E_Station MPB2** **0018105_22 Jan 08_Turb_E_Station IMO1** **0018105_22 Jan 08_Turb_E_Station IMO2** **[Total No. of Exceedances = 3]**	
Date	22 January 2008 (Measured) 25 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB2, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.3
	Mid-Flood	8.3
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MPB2 = 12.58 (exceeds Action Level) IMO1 = 13.72 (exceeds Action Level) IMO2 = 9.47 (exceeds Action Level)
	Mid-Flood	MPB2 = 7.93 IMO1 = 8.55 IMO2 = 5.90
Construction Works Undertaken (at the time of monitoring event)	On 22 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitude to those of 22 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_23 Jan 08_Turb_F_Station IMO1 0018105_23 Jan 08_Turb_F_Station IMO2 0018105_23 Jan 08_Turb_F_Station MP 0018105_23 Jan 08_Turb_F_Station MPB1 0018105_23 Jan 08_Turb_F_Station MPB2 0018105_23 Jan 08_SS_F_Station MP [Total No. of Exceedances = 6]	
Date	23 January 2008 (Measured) 28 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MP, MPB1, MPB2	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity = 17.6, SS = 24.0
	Mid-Flood	Turbidity = 10.5, SS = 24.0
Limit Levels	*Mid-Ebb*	Turbidity = N/A, SS = 37.0
	Mid-Flood	Turbidity = N/A, SS = 37.0
Measured Levels	*Mid-Ebb*	IMO1 = 9.67 NTU IMO2 = 9.43 NTU MP = 15.28 NTU, 17.00 mg/L MPB1 = 18.50 NTU MPB2 = 8.90 NTU
	Mid-Flood	IMO1 = 18.63 NTU (exceeds Action Level) IMO2 = 18.00 NTU (exceeds Action Level) MP = 26.08 NTU, 29.75 mg/L (exceeds Action Level) MPB1 = 15.57 NTU (exceeds Action Level) MPB2 = 17.92 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 23 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have similar magnitudes of Turbidity and SS levels to those of MP The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_23 Jan 08_Turb_E_Station MPB1** **0018105_23 Jan 08_SS_E_Station MPB1** **Total No. of Exceedances = 2**	
Date	23 January 2008 (Measured) 28 January 2008 (Result received by ERM)	
Monitoring Station	Station MPB1	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity = 17.6, SS = 24.0
	Mid-Flood	Turbidity = 10.5, SS = 24.0
Limit Levels	*Mid-Ebb*	Turbidity = N/A, SS = 37.0
	Mid-Flood	Turbidity = N/A, SS = 37.0
Measured Levels	*Mid-Ebb*	Turbidity = 18.50, SS = 27.33
	Mid-Flood	Turbidity = 15.57, SS = 18.83
Construction Works Undertaken (at the time of monitoring event)	On 23 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have lower Turbidity and SS levels than those of MPB1 The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_25 Jan 08_Turb_F_Station MP** **[Total No. of Exceedances = 1]**	
Date	25 January 2008 (Measured) 30 January 2008 (Result received by ERM)	
Monitoring Station	Station MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	11.8
	Mid-Flood	15.4
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	15.28
	Mid-Flood	16.15 (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 25 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have lower Turbidity and SS levels to those of MP • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_25 Jan 08_Turb_E_Station MP** **0018105_25 Jan 08_Turb_E_Station MPB2** **0018105_25 Jan 08_Turb_E_Station IMO1** **[Total No. of Exceedances = 3]**	
Date	25 January 2008 (Measured) 30 January 2008 (Result received by ERM)	
Monitoring Station	Station MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	11.8
	Mid-Flood	15.4
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	MP = 15.28 (exceeds Action Level) MPB2 = 13.95 (exceeds Action Level) IMO1 = 17.15 (exceeds Action Level)
	Mid-Flood	MP = 16.15 MPB2 = 9.17 IMO1 = 13.20
Construction Works Undertaken (at the time of monitoring event)	On 25 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_27 Jan 08_Turb_F_Station IMO1** **0018105_27 Jan 08_Turb_F_Station IMO2** **0018105_27 Jan 08_Turb_F_Station MP** **0018105_27 Jan 08_Turb_F_Station MPB2** **Total No. of Exceedances = 4**	
Date	27 January 2008 (Measured) 1 February 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MP, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	16.5
	Mid-Flood	9.5
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	IMO1 = 12.42 IMO2 = 6.97 MP = 14.70 MPB2 = 6.43
	Mid-Flood	IMO1 = 9.50 (exceeds Action Level) IMO2 = 10.05 (exceeds Action Level) MP = 15.95 (exceeds Action Level) MPB2 = 9.70(exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 27 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have similar magnitudes of Turbidity and SS levels to those of MP and MPB2 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_29 Jan 08_Turb_F_Station IMO3** **0018105_29 Jan 08_Turb_F_Station MP** **0018105_29 Jan 08_SS_F_Station MP** **Total No. of Exceedances = 3**	
Date	29 January 2008 (Measured) 1 February 2008 (Result received by ERM)	
Monitoring Station	Stations IMO3, MP	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	7.7 NTU, 24.0 mg/L
	Mid-Flood	14.8 NTU, 24.0 mg/L
Limit Levels	*Mid-Ebb*	Turbidity = N/A, SS = 37.0 mg/L
	Mid-Flood	Turbidity = N/A, SS= 37.0 mg/L
Measured Levels	*Mid-Ebb*	IMO3 = 7.37 NTU MP = 7.48 NTU, 9.00 mg/L
	Mid-Flood	IMO3 = 15.7 NTU (exceeds Action Level) MP = 24.38 NTU, 28.50 mg/L (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 29 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Station IMO1 and IMO2, which are located closer to the dredger, have similar magnitudes of Turbidity and SS levels to those of MP • No exceedance of Action and Limit Levels of all parameters were recorded during the subsequent monitoring during mid-ebb tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Facsimile message

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3102
Facsimile: (852) 2723 5660
E-mail: craig.reid@erm.com

FAXED 6 FEB 2008

ERM

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
From	Craig Reid
Ref/Project number	*0018105_NOE_20080206.doc*
Subject	Notification of Exceedance for Water Quality
Date	6 February 2008

Page 1 of 8

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0018105_30 Jan 08_Turb_F_Station IMO1	0018105_30 Jan 08_Turb_E_Station MPB1
0018105_30 Jan 08_Turb_F_Station IMO3	0018105_30 Jan 08_Turb_E_Station MPB2
0018105_30 Jan 08_Turb_F_Station MPB1	0018105_31 Jan 08_Turb_E_Station IMO1
0018105_30 Jan 08_Turb_E_Station IMO3	0018105_31 Jan 08_Turb_E_Station IMO3
0018105_30 Jan 08_Turb_E_Station IMO4	0018105_31 Jan 08_Turb_E_Station IMO4
0018105_30 Jan 08_Turb_E_Station MP	0018105_31 Jan 08_Turb_E_Station MP

recorded from 30 January to 31 January 2008.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_30 Jan 08_Turb_F_Station IMO1 0018105_30 Jan 08_Turb_F_Station IMO3 0018105_30 Jan 08_Turb_F_Station MPB1 Total No. of Exceedances = 3	
Date	30 January 2008 (Measured) 5 February 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO3, MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	2.8 NTU
	Mid-Flood	5.6 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 - 1.87NTU Station IMO3 – 10.38 NTU Station MPB1 – 8.26 NTU
	Mid-Flood	Station IMO1 – 7.68 NTU (exceeds Action Level) Station IMO3 – 7.68 NTU (exceeds Action Level) Station MPB1 – 5.78 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 30 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 30 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_30 Jan 08_Turb_E_Station IMO3** **0018105_30 Jan 08_Turb_E_Station IMO4** **0018105_30 Jan 08_Turb_E_Station MP** **0018105_30 Jan 08_Turb_E_Station MPB1** **0018105_30 Jan 08_Turb_E_Station MPB2** **Total No. of Exceedances = 5**	
Date	30 January 2008 (Measured) 5 February 2008 (Result received by ERM)	
Monitoring Station	Stations IMO3, IMO4, MP, MPB1, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	2.8
	Mid-Flood	5.6
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	**Station IMO3 – 10.38 (exceeds Action Level)** **Station IMO4 – 5.38 (exceeds Action Level)** **Station MP – 4.93 (exceeds Action Level)** **Station MPB1 – 8.26 (exceeds Action Level)** **Station MPB2 – 7.81 (exceeds Action Level)**
	Mid-Flood	Station IMO3 – 7.68 Station IMO4 – 3.27 Station MP – 5.30 Station MPB1 – 5.78 Station MPB2 – 5.23
Construction Works Undertaken (at the time of monitoring event)	On 30 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were higher than those of 30 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_31 Jan 08_Turb_E_Station IMO1** **0018105_31 Jan 08_Turb_E_Station IMO3** **0018105_31 Jan 08_Turb_E_Station IMO4** **0018105_31 Jan 08_Turb_E_Station MP** **[Total No. of Exceedances = 4]**	
Date	31 January 2008 (Measured) 5 February 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO3, IMO4, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	6.8
	Mid-Flood	13.9
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 8.22 (exceeds Action Level) Station IMO3 – 15.00 (exceeds Action Level) Station IMO4 – 7.52 (exceeds Action Level) Station MP – 23.48 (exceeds Action Level)
	Mid-Flood	Station IMO1 – 4.50 Station IMO3 – 6.67 Station IMO4 – 5.73 Station MP – 6.78
Construction Works Undertaken (at the time of monitoring event)	On 31 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose values were of similar magnitudes to those of 31 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken/ To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Facsimile message

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3102
Facsimile: (852) 2723 5660
E-mail: criag.reid@erm.com

FAXED 7 JAN 2008

ERM

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
Copied to	
From	Craig Reid
Ref/Project number	*0018105_NOE_20080102.doc*
Subject	Notification of Exceedance for Water Quality
Date	7 January 2008

Page 1 of 18

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0018105_25 Dec 07_Turb_F_Station MPB1
0018105_25 Dec 07_Turb_F_Station MPB2
0018105_25 Dec 07_Turb_F_Station IMO1
0018105_25 Dec 07_SS_F_Station MPB2
0018105_25 Dec 07_Turb_E_Station MPB1
0018105_25 Dec 07_Turb_E_Station MPB2
0018105_25 Dec 07_Turb_E_Station IMO1
0018105_25 Dec 07_SS_E_Station MPB2
0018105_26 Dec 07_Turb_F_Station MPB1
0018105_26 Dec 07_Turb_F_Station MPB2
0018105_26 Dec 07_Turb_F_Station MP
0018105_26 Dec 07_Turb_F_Station IMO1
0018105_26 Dec 07_Turb_F_Station IMO2
0018105_26 Dec 07_Turb_E_Station MPB1
0018105_26 Dec 07_Turb_E_Station MPB2
0018105_26 Dec 07_Turb_E_Station MP
0018105_26 Dec 07_Turb_E_Station IMO1
0018105_27 Dec 07_Turb_F_Station IMO1
0018105_27 Dec 07_Turb_F_Station IMO2
0018105_27 Dec 07_SS_F_Station IMO2
0018105_27 Dec 07_Turb_F_Station MPB2
0018105_27 Dec 07_SS_F_Station MPB2
0018105_27 Dec 07_Turb_F_Station MP
0018105_27 Dec 07_SS_F_Station MP
0018105_27 Dec 07_Turb_E_Station IMO1
0018105_27 Dec 07_Turb_E_Station MPB2
0018105_27 Dec 07_Turb_E_Station MP
0018105_28 Dec 07_Turb_F_Station IMO2
0018105_28 Dec 07_Turb_F_Station MP

recorded from 25 December to 28 December 2007.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_26 Dec 07_Turb_F_Station MPB1** **0018105_26 Dec 07_Turb_F_Station MPB2** **0018105_26 Dec 07_Turb_F_Station MP** **0018105_26 Dec 07_Turb_F_Station IMO1** **0018105_26 Dec 07_Turb_F_Station IMO2** **[Total No. of Exceedances = 5]**	
Date	26 December 2007 (Measured) 2 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	16.6 NTU
	Mid-Flood	13.0 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 23.83 NTU Station MPB2 – 23.23 NTU Station MP – 21.75 NTU Station IMO1 – 22.92 NTU Station IMO2 – 15.75 NTU
	Mid-Flood	Station MPB1 – 33.88 NTU (exceeds Action Level) Station MPB2 – 18.33 NTU (exceeds Action Level) Station MP – 23.25 NTU (exceeds Action Level) Station IMO1 – 19.40 NTU (exceeds Action Level) Station IMO2 – 15.83 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 26 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_26 Dec 07_Turb_E_Station MPB1** **0018105_26 Dec 07_Turb_E_Station MPB2** **0018105_26 Dec 07_Turb_E_Station MP** **0018105_26 Dec 07_Turb_E_Station IMO1** **[Total No. of Exceedances = 4]**	
Date	26 December 2007 (Measured) 2 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	16.6 NTU
	Mid-Flood	13.0 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 23.83 NTU (exceeds Action Level) Station MPB2 – 23.23 NTU (exceeds Action Level) Station MP – 21.75 NTU (exceeds Action Level) Station IMO1 – 22.92 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 33.88 NTU Station MPB2 – 18.33 NTU Station MP – 23.25 NTU Station IMO1 – 19.40 NTU
Construction Works Undertaken (at the time of monitoring event)	On 26 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_25 Dec 07_Turb_F_Station MPB1** **0018105_25 Dec 07_Turb_F_Station MPB2** **0018105_25 Dec 07_Turb_F_Station IMO1** **0018105_25 Dec 07_SS_F_Station MPB2** **[Total No. of Exceedances = 4]**
Date		25 December 2007 (Measured) 4 January 2008 (Result received by ERM)
Monitoring Station		Stations MPB1, MPB2, MP, IMO1
Parameter		Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)
Action Levels	*Mid-Ebb*	Turbidity = 18.0 NTU Suspended Solids = 24 mg/L
	Mid-Flood	Turbidity = 18.7 NTU Suspended Solids = 24 mg/L
Limit Levels	*Mid-Ebb*	Turbidity = N/A Suspended Solids = 37 mg/L
	Mid-Flood	Turbidity = N/A Suspended Solids = 37 mg/L
Measured Levels	*Mid-Ebb*	Station MPB1 – 19.63 NTU Station MPB2 – 27.43 NTU, 29.50 mg/L Station IMO1 – 23.40 NTU
	Mid-Flood	Station MPB1 – 22.12 NTU (exceeds Action Level) Station MPB2 – 28.52 NTU (exceeds Action Level), 29.17 mg/L (exceeds Action Level) Station IMO1 – 22.35 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)		On 25 December, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were comparable to those of 25 December 2007 • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_25 Dec 07_Turb_E_Station MPB1** **0018105_25 Dec 07_Turb_E_Station MPB2** **0018105_25 Dec 07_Turb_E_Station IMO1** **0018105_25 Dec 07_SS_E_Station MPB2** **[Total No. of Exceedances = 4]**
Date		25 December 2007 (Measured) 4 January 2008 (Result received by ERM)
Monitoring Station		Stations MPB1, MPB2, MP, IMO1
Parameter		Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)
Action Levels	*Mid-Ebb*	Turbidity = 18.0 NTU Suspended Solids = 24 mg/L
	Mid-Flood	Turbidity = 18.7 NTU Suspended Solids = 24 mg/L
Limit Levels	*Mid-Ebb*	Turbidity = N/A Suspended Solids = 37 mg/L
	Mid-Flood	Turbidity = N/A Suspended Solids = 37 mg/L
Measured Levels	*Mid-Ebb*	Station MPB1 - 19.63 NTU Station MPB2 - 27.43 NTU (exceeds Action Level), 29.50 mg/L (exceeds Action Level) Station IMO1 - 23.40 NTU
	Mid-Flood	Station MPB1 - 22.12 NTU Station MPB2 - 28.52 NTU, 29.17 mg/L Station IMO1 - 23.40 NTU
Construction Works Undertaken (at the time of monitoring event)		On 25 December, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value were comparable to those of 25 December 2007 • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_27 Dec 07_Turb_F_Station IMO1** **0018105_27 Dec 07_Turb_F_Station IMO2** **0018105_27 Dec 07_SS_F_Station IMO2** **0018105_27 Dec 07_Turb_F_Station MPB2** **0018105_27 Dec 07_SS_F_Station MPB2** **0018105_27 Dec 07_Turb_F_Station MP** **0018105_27 Dec 07_SS_F_Station MP** **[Total No. of Exceedances = 7]**	
Date	27 December 2007 (Measured) 2 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB2, MP, IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU), Suspended Solids (mg/L)	
Action Levels	*Mid-Ebb*	Turbidity – 16.4 NTU Suspended Solids - 24.0 mg/L
	Mid-Flood	Turbidity – 37.6 NTU Suspended Solids – 24.0 mg/L
Limit Levels	*Mid-Ebb*	Turbidity –N/A Suspended Solids – 37.0 mg/L
	Mid-Flood	Turbidity – N/A Suspended Solids – 37.0 mg/L
Measured Levels	*Mid-Ebb*	Station IMO1 – 18.6 NTU Station IMO2 – 20.03 NTU, 18.17 mg/L Station MPB2 – 21.57 NTU, 9.17 mg/L Station MP – 23.50 NTU, 23.50 mg/L
	Mid-Flood	Station IMO1 – 37.20 NTU (exceeds Action Level) Station IMO2 – 45.97 NTU (exceeds Action Level), 33.83 mg/L (exceeds Action Level) Station MPB2 – 50.88 NTU (exceeds Action Level), 38.83 mg/L (exceeds Limit Level) Station MP – 83.58 NTU (exceeds Action Level), 89.50 mg/L (exceeds Limit Level)
Construction Works Undertaken (at the time of monitoring event)	On 27 December, the construction works for the Project involved mainly dredging operations.	

Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the subsequent Mid-Ebb tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken	No action is considered necessary.
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_27 Dec 07_Turb_E_Station IMO1** **0018105_27 Dec 07_Turb_E_Station MPB2** **0018105_27 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 3]**	
Date	27 December 2007 (Measured) 2 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB2, MP, IMO1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	19.8 NTU
	Mid-Flood	16.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB2 – 21.57 NTU (exceeds Action Level) Station MP – 28.10 NTU (exceeds Action Level) Station IMO1 – 20.03 NTU (exceeds Action Level)
	Mid-Flood	Station MPB2 – 50.88 NTU Station MP – 83.58 NTU Station IMO1 – 37.20 NTU
Construction Works Undertaken (at the time of monitoring event)	On 27 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Stations MPB1 and MPB2, located further away from the dredger, had higher values than those of Stations IMO1 and IMO2 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_28 Dec 07_Turb_F_Station IMO2** **0018105_28 Dec 07_Turb_F_Station MP** **Total No. of Exceedances = 2**	
Date	28 December 2007 (Measured) 3 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	19.1 NTU
	Mid-Flood	19.8 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO2 – 11.65 NTU Station MP – 12.45 NTU
	Mid-Flood	Station IMO2 – 23.80 NTU (exceeds Action Level) Station MP – 23.23 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 28 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Monitoring was repeated the following day and no exceedance of Action and Limit Levels of all parameters was found The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Facsimile
message

Environmental
Resources
Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3102
Facsimile: (852) 2723 5660
E-mail: craig.reid@erm.com

fax @ 14 Jan 08

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
From	Craig Reid
Ref/Project number	*0018105_NOE_20080114.doc*
Subject	Notification of Exceedance for Water Quality
Date	14 January 2008

ERM

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0018105_01 Jan 08_Turb_E_Station MPB1
0018105_01 Jan 08_Turb_F_Station MPB1
0018105_02 Jan 08_Turb_E_Station IMO1
0018105_02 Jan 08_Turb_E_Station IMO2
0018105_02 Jan 08_Turb_E_Station MP
0018105_03 Jan 08_Turb_F_Station IMO2
0018105_03 Jan 08_Turb_E_Station IMO1
0018105_03 Jan 08_Turb_E_Station IMO2
0018105_04 Jan 08_Turb_F_Station MPB1
0018105_04 Jan 08_Turb_F_Station MP
0018105_04 Jan 08_Turb_E_Station IMO1
0018105_04 Jan 08_Turb_E_Station IMO2
0018105_04 Jan 08_Turb_E_Station MPB1
0018105_04 Jan 08_Turb_E_Station MP
0018105_05 Jan 08_Turb_F_Station IMO1
0018105_05 Jan 08_Turb_F_Station MPB1
0018105_06 Jan 08_Turb_F_Station IMO1
0018105_06 Jan 08_Turb_F_Station IMO2
0018105_06 Jan 08_Turb_F_Station MPB1
0018105_06 Jan 08_Turb_E_Station IMO1
0018105_06 Jan 08_Turb_E_Station IMO2
0018105_06 Jan 08_Turb_E_Station MPB1
0018105_06 Jan 08_Turb_E_Station MPB2
0018105_06 Jan 08_Turb_E_Station MP
0018105_07 Jan 08_Turb_E_Station IMO1
0018105_07 Jan 08_Turb_E_Station IMO2
0018105_07 Jan 08_Turb_E_Station MPB1
0018105_07 Jan 08_Turb_E_Station MPB2
0018105_07 Jan 08_Turb_E_Station MP
0018105_07 Jan 08_Turb_F_Station IMO1
0018105_07 Jan 08_Turb_F_Station IMO2
0018105_07 Jan 08_Turb_F_Station MPB1
0018105_07 Jan 08_Turb_F_Station MPB2
0018105_07 Jan 08_Turb_F_Station MP
0018105_08 Jan 08_Turb_F_Station IMO1
0018105_08 Jan 08_Turb_F_Station MPB1
0018105_08 Jan 08_Turb_E_Station IMO1
0018105_08 Jan 08_Turb_E_Station IMO2
0018105_08 Jan 08_Turb_E_Station MPB1
0018105_08 Jan 08_Turb_E_Station MPB2
0018105_08 Jan 08_Turb_E_Station MP

recorded from 1 January to 8 January 2008.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6371 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_01 Jan 08_Turb_F_Station MPB1 [Total No. of Exceedances = 1**	
Date	1 January 2008 (Measured) 7 January 2008 (Result received by ERM)	
Monitoring Station	Station MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	16.0 NTU
	Mid-Flood	10.40 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	31.4 NTU
	Mid-Flood	32.53 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 1 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Stations IMO1 and IMO2, located closer to the dredger, had lower turbidity and SS levels than that of Station MPB1 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_01 Jan 08_Turb_E_Station MPB1** **Total No. of Exceedances = 1**	
Date	1 January 2008 (Measured) 7 January 2008 (Result received by ERM)	
Monitoring Station	Station MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	16.0 NTU
	Mid-Flood	10.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	31.40 NTU (exceeds Action Level)
	Mid-Flood	32.53 NTU
Construction Works Undertaken (at the time of monitoring event)	On 1 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Stations IMO1 and IMO2, located closer to the dredger, had lower turbidity and SS levels than that of Station MPB1 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.		**0018105_02 Jan 08_Turb_E_Station IMO1** **0018105_02 Jan 08_Turb_E_Station IMO2** **0018105_02 Jan 08_Turb_E_Station MP** **[Total No. of Exceedances = 3]**
Date		2 January 2008 (Measured) 7 January 2008 (Result received by ERM)
Monitoring Station		Stations IMO1, IMO2, MPB1
Parameter		Depth-averaged Turbidity (NTU)
Action Levels	*Mid-Ebb*	2.90 NTU
	Mid-Flood	10.50 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 4.23 NTU (exceeds Action Level) Station IMO2 – 8.40 NTU (exceeds Action Level) Station MP – 3.83 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 3.57NTU Station IMO2 – 6.27 NTU Station MP – 2.40 NTU
Construction Works Undertaken (at the time of monitoring event)		On the morning of 2 January, the construction works for the Project involved mainly dredging operations.
Possible Reason for Action or Limit Level Non-compliance		Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day • Monitoring was repeated the following day and no exceedance of Action and Limit Levels of all parameters was found The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_03 Jan 08_Turb_E_Station IMO1** **0018105_03 Jan 08_Turb_E_Station IMO2** **[Total No. of Exceedances = 2]**	
Date	3 January 2008 (Measured) 8 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	3.5 NTU
	Mid-Flood	3.8 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 3.78 NTU (exceeds Action Level) Station IMO2 – 5.30 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 3.23 NTU Station IMO2 – 4.40 NTU
Construction Works Undertaken (at the time of monitoring event)	On 3 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 3 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_03 Jan 08_Turb_F_Station IMO2 [Total No. of Exceedances = 1]	
Date	3 January 2008 (Measured) 8 January 2008 (Result received by ERM)	
Monitoring Station	Station IMO2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	3.5 NTU
	Mid-Flood	3.8 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	5.30 NTU
	Mid-Flood	4.40 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 3 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 3 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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Notification of Exceedance

Log No.		**0018105_04 Jan 08_Turb_E_Station IMO1** **0018105_04 Jan 08_Turb_E_Station IMO2** **0018105_04 Jan 08_Turb_E_Station MPB1** **0018105_04 Jan 08_Turb_E_Station MP** **[Total No. of Exceedances = 4]**
Date		4 January 2008 (Measured) 9 January 2008 (Result received by ERM)
Monitoring Station		Stations IMO1, IMO2, MPB1, MP
Parameter		Depth-averaged Turbidity (NTU)
Action Levels	*Mid-Ebb*	2.9 NTU
	Mid-Flood	4.5 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 3.62 NTU (exceeds Action Level) Station IMO2 – 3.20 NTU (exceeds Action Level) Station MPB1 – 5.62 NTU (exceeds Action Level) Station MP – 3.93 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 - 3.30NTU Station IMO2 -2.67 NTU Station MPB1 – 6.10 NTU Station MP - 4.65 NTU
Construction Works Undertaken (at the time of monitoring event)		On 4 January, there was no dredging operation undertaken for the Project.
(Possible) Reason for Action or Limit Level Non-compliance		The exceedance was unlikely to be caused by the Project due to the following: • No marine works was undertaken for the Project during the monitoring period • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 4 January 2008 • Station MP, located further away from the dredger, had higher turbidity level than those of Impact Stations IMO1 and IMO2 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.
Actions Taken / To Be Taken		No action is considered necessary.
Remarks		The monitoring results and the locations of water quality monitoring stations are attached.

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_04 Jan 08_Turb_F_Station MPB1 0018105_04 Jan 08_Turb_F_Station MP [Total No. of Exceedances = 2]	
Date	4 January 2008 (Measured) 9 January 2008 (Result received by ERM)	
Monitoring Station	Stations MPB1, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	2.9 NTU
	Mid-Flood	4.5 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 5.62 NTU Station MP – 3.93 NTU
	Mid-Flood	Station MPB1 – 6.10 NTU (exceeds Action Level) Station MP – 4.65 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 4 January, there was no dredging operation undertaken for the Project.	
Possible Reason for Action or Limit Level Non-compliance	The exceedance was unlikely to be caused by the Project due to the following: • No marine works was undertaken for the Project during the monitoring period • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 4 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_05 Jan 08_Turb_F_Station IMO1** **0018105_05 Jan 08_Turb_F_Station MPB1** **[Total No. of Exceedances = 2]**	
Date	5 January 2008 (Measured) 9 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	9.4 NTU
	Mid-Flood	5.1 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 7.37 NTU Station MPB1 – 5.38 NTU
	Mid-Flood	Station IMO1 – 5.33 NTU (exceeds Action Level) Station MPB1 – 5.98 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On5 January, there was no dredging operation undertaken for the Project	
Possible Reason for Action or Limit Level Non-compliance	The exceedance was unlikely to be caused by the Project due to the following: • No dredging operation was undertaken during the monitoring period • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 5 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_06 Jan 08_Turb_E_Station IMO1** **0018105_06 Jan 08_Turb_E_Station IMO2** **0018105_06 Jan 08_Turb_E_Station MPB1** **0018105_06 Jan 08_Turb_E_Station MPB2** **0018105_06 Jan 08_Turb_E_Station MP** **[Total No. of Exceedances = 5]**	
Date	6 January 2008 (Measured) 10 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	3.1 NTU
	Mid-Flood	5.9 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 6.12 NTU (exceeds Action Level) Station IMO2 – 5.63 NTU (exceeds Action Level) Station MPB1 – 5.32 NTU (exceeds Action Level) Station MPB2 – 5.08 NTU (exceeds Action Level) Station MP – 3.83 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 7.60 NTU Station IMO2 – 6.27 NTU Station MPB1 – 6.03 NTU Station MPB2 – 4.52 NTU Station MP – 5.00 NTU
Construction Works Undertaken (at the time of monitoring event)	On 6 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 6 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_06 Jan 08_Turb_F_Station IMO1** **0018105_06 Jan 08_Turb_F_Station IMO2** **0018105_06 Jan 08_Turb_F_Station MPB1** **[Total No. of Exceedances = 3]**	
Date	6 January 2008 (Measured) 10 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	3.1 NTU
	Mid-Flood	5.9 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 6.12 NTU Station IMO2 – 5.63 NTU Station MPB1 – 5.32 NTU
	Mid-Flood	Station IMO1 – 7.60 NTU (exceeds Action Level) Station IMO2 – 6.27 NTU (exceeds Action Level) Station MPB1 – 6.03 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 6 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 6 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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Notification of Exceedance

Log No.	**0018105_07 Jan 08_Turb_E_Station IMO1** **0018105_07 Jan 08_Turb_E_Station IMO2** **0018105_07 Jan 08_Turb_E_Station MPB1** **0018105_07 Jan 08_Turb_E_Station MPB2** **0018105_07 Jan 08_Turb_E_Station MP** **[Total No. of Exceedances = 5]**	
Date	7 January 2008 (Measured) 10 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	6.0 NTU
	Mid-Flood	5.8 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 8.82 NTU (exceeds Action Level) Station IMO2 – 8.32 NTU (exceeds Action Level) Station MPB1 – 7.17 NTU (exceeds Action Level) Station MPB2 – 7.75 NTU (exceeds Action Level) Station MP – 6.08 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 7.95 NTU Station IMO2 – 5.88 NTU Station MPB1 – 7.75 NTU Station MPB2 – 6.63 NTU Station MP – 8.03 NTU
Construction Works Undertaken (at the time of monitoring event)	On 7 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 7 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	0018105_07 Jan 08_Turb_F_Station IMO1 0018105_07 Jan 08_Turb_F_Station IMO2 0018105_07 Jan 08_Turb_F_Station MPB1 0018105_07 Jan 08_Turb_F_Station MPB2 0018105_07 Jan 08_Turb_F_Station MP [Total No. of Exceedances = 5]	
Date	7 January 2008 (Measured) 10 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	6.0 NTU
	Mid-Flood	5.8 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 8.82 NTU Station IMO2 – 8.32 NTU Station MPB1 – 7.17 NTU Station MPB2 – 7.75 NTU Station MP – 6.08 NTU
	Mid-Flood	Station IMO1 – 7.95 NTU (exceeds Action Level) Station IMO2 – 5.88 NTU (exceeds Action Level) Station MPB1 – 7.75 NTU (exceeds Action Level) Station MPB2 – 6.63 NTU (exceeds Action Level) Station MP – 8.03 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 7 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was much higher than those of 7 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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Notification of Exceedance

Log No.	**0018105_08 Jan 08_Turb_E_Station IMO1** **0018105_08 Jan 08_Turb_E_Station IMO2** **0018105_08 Jan 08_Turb_E_Station MPB1** **0018105_08 Jan 08_Turb_E_Station MPB2** **0018105_08 Jan 08_Turb_E_Station MP** **Total No. of Exceedances = 5]**	
Date	8 January 2008 (Measured) 11 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1, IMO2, MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.4 NTU
	Mid-Flood	14.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 10.43 NTU (exceeds Action Level) Station IMO2 – 9.15 NTU (exceeds Action Level) Station MPB1 – 10.67 NTU (exceeds Action Level) Station MPB2 – 9.10 NTU (exceeds Action Level) Station MP – 8.53 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 18.70 NTU Station IMO2 – 8.85 NTU Station MPB1 – 24.07 NTU Station MPB2 – 9.85 NTU Station MP – 12.63 NTU
Construction Works Undertaken (at the time of monitoring event)	On 8 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than those of 8 January 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

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Notification of Exceedance

Log No.	0018105_08 Jan 08_Turb_F_Station IMO1 0018105_08 Jan 08_Turb_F_Station MPB1 [Total No. of Exceedances = 2]	
Date	8 January 2008 (Measured) 11 January 2008 (Result received by ERM)	
Monitoring Station	Stations IMO1,MPB1	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.4 NTU
	Mid-Flood	14.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 10.43 NTU Station MPB1 – 10.67 NTU
	Mid-Flood	Station IMO1 – 18.70 NTU (exceeds Action Level) Station MPB1 – 24.07 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 8 January, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken, the exceedance was unlikely to be caused by the Project due to the following: ▪ Station MPB1, located further away from the dredger, had higher turbidity levels than those of other Impact Stations ▪ Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	1/1/2008
Weather & Ambient Temperature	Cloudy, 11C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	6:30-6:31							
Water Depth (m)	20.4							
Monitoring Depth (m)	1.0		10.2		19.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	20.2	20.1	20.1	18.8	20.1	19.90	-
Salinity (ppt)	41.1	42.1	42.0	41.1	40.2	41.3	41.28	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	129.0	127.3	127.7	129.5	131.7	128.9	129.02	-
D.O. (mg/L)	9.2	9.0	9.1	9.2	9.7	9.2	9.22	9.42
Turbidity (NTU)	11.9	11.6	12.5	12.9	12.7	12.1	12.28	-
SS (mg/L)	4.0	4.0	6.0	5.0	4.0	5.0	4.67	-
Remarks								

Station	MPB1							
Time (hh:mm)	6:55-6:57							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.6	20.2	20.2	20.2	18.4	19.71	-
Salinity (ppt)	39.7	39.7	39.2	39.1	39.1	38.1	39.13	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	127.8	127.5	126.6	126.8	126.7	129.2	127.43	-
D.O. (mg/L)	9.3	9.2	9.1	9.1	9.1	9.7	9.25	9.39
Turbidity (NTU)	30.1	30.5	32.7	34.5	30.8	29.8	31.40	-
SS (mg/L)	5.0	5.0	5.0	6.0	7.0	8.0	6.00	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	6:09-6:12						Northing	Easting
Water Depth (m)	10.7						22.21.359	113.54.056
Monitoring Depth (m)	1.0		5.4		9.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	19.5	19.5	19.5	20.1	19.5	19.71	-
Salinity (ppt)	38.9	39.6	39.5	39.6	39.2	39.8	39.44	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	129.0	129.7	130.1	130.0	129.0	129.8	129.60	-
D.O. (mg/L)	9.3	9.4	9.5	9.5	9.3	9.41	9.39	9.35
Turbidity (NTU)	5.0	4.9	6.4	5.9	6.1	6.0	5.72	-
SS (mg/L)	6.0	5.0	5.0	4.0	4.0	5.0	4.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	7:04-7:05							
Water Depth (m)	9.6							
Monitoring Depth (m)	1.0		4.8		8.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	18.9	17.6	18.9	18.8	18.65	-
Salinity (ppt)	38.8	39.0	38.8	38.5	38.8	39.0	38.82	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	135.7	133.8	137.2	135.7	137.7	134.3	135.73	-
D.O. (mg/L)	10.0	9.9	10.1	10.3	10.2	9.9	10.06	10.04
Turbidity (NTU)	5.9	5.6	7.0	6.5	10.0	9.9	7.48	-
SS (mg/L)	6.0	6.0	7.0	7.0	7.0	6.0	6.50	-
Remarks	Brownish water color was observed. No Dredging works was operated.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	5:59-6:00						Northing	Easting
Water Depth (m)	9.1						22.21.017	113.54.196
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	19.5	19.5	19.5	19.6	19.5	19.62	-
Salinity (ppt)	39.4	40.1	40.0	39.9	39.9	40.0	39.88	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	126.9	127.4	127.5	128.0	129.2	127.7	127.78	-
D.O. (mg/L)	9.1	9.2	9.2	9.3	9.4	9.26	9.25	9.31
Turbidity (NTU)	8.2	8.3	9.7	9.1	10.4	10.8	9.42	-
SS (mg/L)	7.0	7.0	6.0	7.0	7.0	7.0	6.83	-
Remarks	Brownish water color was observed. No Dredging works was operated.							

Station	MP							
Time (hh:mm)	6:47-6:47							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	-	-	19.5	19.5	19.50	-
Salinity (ppt)	39.5	39.5	-	-	39.5	39.5	39.52	-
pH	8.2	8.2	-	-	8.2	8.2	8.17	
D.O. Saturation (%)	129.4	130.0	-	-	129.6	130.7	129.93	-
D.O. (mg/L)	9.4	9.5	-	-	9.4	9.5	9.45	9.47
Turbidity (NTU)	3.8	3.9	-	-	4.1	4.1	3.98	-
SS (mg/L)	4.0	4.0	-	-	4.0	5.0	4.25	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.4	9.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.2	9.2	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	16.0	NA	N	NA	N	NA	Y	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	6.1	6.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/2/2008
Weather & Ambient Temperature	Cloudy, 12C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	7:00-7:02							
Water Depth (m)	20.3							
Monitoring Depth (m)	1.0		10.2		19.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.8	19.7	19.6	20.3	20.3	19.91	-
Salinity (ppt)	43.2	41.8	42.0	43.1	42.0	41.3	42.22	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.29	
D.O. Saturation (%)	132.9	134.6	134.9	133.1	133.0	134.1	133.77	-
D.O. (mg/L)	9.4	9.6	9.6	9.5	9.4	9.5	9.50	9.46
Turbidity (NTU)	1.7	1.6	2.4	2.4	2.7	2.7	2.25	-
SS (mg/L)	4.0	3.0	3.0	3.0	3.0	4.0	3.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	7:26-7:27							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.2	18.2	18.1	18.1	17.0	18.6	18.05	-
Salinity (ppt)	39.5	39.4	39.5	39.4	40.6	39.0	39.58	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	137.7	138.5	137.9	139.0	139.9	138.5	138.58	-
D.O. (mg/L)	10.3	10.3	10.3	10.4	10.6	10.3	10.34	10.42
Turbidity (NTU)	1.8	1.9	2.7	2.6	2.7	2.8	2.42	-
SS (mg/L)	3.0	4.0	3.0	4.0	3.0	4.0	3.50	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	6:40-6:42						Northing	Easting
Water Depth (m)	10.2						22.21.389	113.54.055
Monitoring Depth (m)	1.0		5.1		9.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	19.1	19.1	19.2	19.2	19.2	18.97	-
Salinity (ppt)	41.1	40.1	40.1	39.9	39.7	40.2	40.19	-
pH	8.2	8.2	8.3	8.2	8.2	8.3	8.24	
D.O. Saturation (%)	134.8	132.4	132.8	133.8	137.5	133.0	134.05	-
D.O. (mg/L)	10.0	9.7	9.7	9.8	10.0	9.69	9.80	9.86
Turbidity (NTU)	3.2	3.4	4.8	4.5	4.6	4.9	4.23	-
SS (mg/L)	4.0	5.0	5.0	5.0	8.0	7.0	5.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	7:34-7:36							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	18.3	18.2	18.3	18.2	18.2	18.23	-
Salinity (ppt)	38.9	39.0	38.9	39.0	38.9	39.0	38.94	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	146.2	144.8	146.5	145.2	147.3	146.0	146.00	-
D.O. (mg/L)	10.9	10.8	10.9	10.8	11.0	10.9	10.90	10.96
Turbidity (NTU)	1.5	1.4	2.1	2.1	2.3	2.2	1.93	-
SS (mg/L)	2.0	4.0	4.0	3.0	5.0	2.0	3.33	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	6:29-6:30						Northing	Easting
Water Depth (m)	8.6						22.20.906	113.54.197
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	18.2	19.3	19.9	19.3	19.3	19.31	-
Salinity (ppt)	40.4	42.2	40.9	40.5	40.9	41.0	40.97	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.26	
D.O. Saturation (%)	130.1	132.6	130.9	130.2	131.2	130.8	130.97	-
D.O. (mg/L)	9.3	9.7	9.5	9.4	9.5	9.46	9.47	9.48
Turbidity (NTU)	7.0	6.9	8.7	8.2	9.8	9.8	8.40	-
SS (mg/L)	7.0	6.0	7.0	5.0	8.0	6.0	6.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	7:17-7:18							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.6	-	-	18.4	17.1	18.15	-
Salinity (ppt)	39.8	39.8	-	-	39.8	41.1	40.13	-
pH	8.2	8.2	-	-	8.2	8.2	8.19	
D.O. Saturation (%)	136.5	138.5	-	-	136.9	141.8	138.43	-
D.O. (mg/L)	10.1	10.2	-	-	10.1	10.7	10.28	10.41
Turbidity (NTU)	3.3	3.1	-	-	4.5	4.4	3.83	-
SS (mg/L)	3.0	3.0	-	-	3.0	4.0	3.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.5	9.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.5	9.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	2.9	NA	Y	NA	Y	NA	N	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	4.3	4.3	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/2/2008
Weather & Ambient Temperature	Sunny, 15C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:25-13:26							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	19.8	18.6	18.7	19.8	19.7	19.39	-
Salinity (ppt)	41.0	41.3	42.5	42.1	40.9	41.3	41.50	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.28	
D.O. Saturation (%)	136.9	135.5	137.2	139.8	140.8	136.1	137.72	-
D.O. (mg/L)	9.8	9.7	10.0	10.2	10.1	9.8	9.92	9.93
Turbidity (NTU)	1.8	1.6	2.6	2.6	2.7	2.6	2.32	-
SS (mg/L)	2.0	2.0	1.0	1.0	5.0	3.0	2.33	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:56-11:57							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.0	19.1	19.1	19.1	17.9	18.52	-
Salinity (ppt)	40.6	41.3	39.5	40.5	39.7	41.9	40.58	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	146.4	147.1	146.5	146.5	146.9	151.2	147.43	-
D.O. (mg/L)	10.9	10.9	10.7	10.7	10.7	11.2	10.84	10.95
Turbidity (NTU)	13.2	13.1	13.7	13.4	14.7	14.6	13.78	-
SS (mg/L)	17.0	20.0	18.0	18.0	17.0	17.0	17.83	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB1							
Time (hh:mm)	12:24-12:25							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.2	18.1	18.1	18.1	18.0	18.1	18.09	-
Salinity (ppt)	39.7	39.6	39.6	39.7	39.7	39.7	39.67	-
pH	8.3	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	136.9	136.8	137.0	137.1	137.4	136.9	137.02	-
D.O. (mg/L)	10.2	10.2	10.2	10.2	10.3	10.2	10.21	10.23
Turbidity (NTU)	2.5	2.4	2.5	2.6	2.5	2.5	2.50	-
SS (mg/L)	6.0	5.0	5.0	4.0	4.0	3.0	4.50	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:49-12:50						Northing	Easting
Water Depth (m)	9.5						22.21.364	113.54.058
Monitoring Depth (m)	1.0		4.8		8.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.1	19.6	19.1	19.1	19.1	19.27	-
Salinity (ppt)	39.7	40.4	39.8	40.3	40.4	40.3	40.13	-
pH	8.2	8.3	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	131.0	131.6	131.2	132.1	132.2	132.5	131.77	-
D.O. (mg/L)	9.5	9.6	9.5	9.6	9.6	9.7	9.58	9.64
Turbidity (NTU)	3.3	3.2	3.9	3.7	3.6	3.7	3.57	-
SS (mg/L)	4.0	5.0	5.0	7.0	4.0	6.0	5.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:15-12:16							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	18.8	17.1	18.2	17.1	18.1	17.93	-
Salinity (ppt)	39.3	38.6	40.2	39.3	40.2	39.3	39.47	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.24	
D.O. Saturation (%)	140.0	141.5	144.4	140.5	145.3	141.3	142.17	-
D.O. (mg/L)	10.4	10.5	10.9	10.5	11.0	10.6	10.64	10.78
Turbidity (NTU)	2.3	2.2	2.4	2.6	2.6	2.8	2.48	-
SS (mg/L)	5.0	2.0	4.0	2.0	4.0	4.0	3.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:58-12:59						Northing	Easting
Water Depth (m)	8.3						22.20.931	113.54.198
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	18.3	19.3	18.2	18.2	19.4	18.86	-
Salinity (ppt)	40.2	41.6	40.5	41.7	41.8	40.5	41.04	-
pH	8.3	8.3	8.2	8.3	8.3	8.2	8.25	
D.O. Saturation (%)	130.3	132.7	131.0	132.9	132.8	131.5	131.87	-
D.O. (mg/L)	9.4	9.7	9.5	9.8	9.8	9.5	9.61	9.64
Turbidity (NTU)	4.9	4.9	6.6	6.3	7.3	7.6	6.27	-
SS (mg/L)	4.0	6.0	6.0	8.0	7.0	8.0	6.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	12:34-12:34							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	18.5	-	-	17.4	18.4	18.37	-
Salinity (ppt)	39.2	39.8	-	-	40.9	39.8	39.92	-
pH	8.2	8.2	-	-	8.2	8.2	8.23	
D.O. Saturation (%)	134.9	134.9	-	-	137.6	135.1	135.63	-
D.O. (mg/L)	9.9	10.0	-	-	10.3	10.0	10.04	10.16
Turbidity (NTU)	2.5	2.3	-	-	2.4	2.4	2.40	-
SS (mg/L)	5.0	3.0	-	-	4.0	4.0	4.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	10.4	10.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	10.4	10.4	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.5	NA	N	NA	N	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	13.1	13.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/1/2008
Weather & Ambient Temperature	Sunny, 14C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:15-13:16							
Water Depth (m)	16.3							
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.2	18.9	20.1	20.2	20.2	20.1	19.95	-
Salinity (ppt)	40.7	40.2	40.8	40.3	40.2	40.7	40.46	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	130.2	134.5	130.7	134.5	138.2	132.1	133.37	-
D.O. (mg/L)	9.3	9.9	9.3	9.6	9.9	9.4	9.56	9.65
Turbidity (NTU)	11.9	12.0	12.5	12.7	13.3	13.3	12.62	-
SS (mg/L)	3.0	4.0	6.0	6.0	5.0	6.0	5.00	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	11:44-11:45							
Water Depth (m)	6.6							
Monitoring Depth (m)	1.0		3.3		5.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	19.5	19.6	19.5	19.5	19.6	19.33	-
Salinity (ppt)	38.2	39.3	39.2	39.7	39.4	40.0	39.30	-
pH	8.1	8.2	8.1	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	145.9	143.7	143.7	145.3	142.7	147.0	144.72	-
D.O. (mg/L)	10.9	10.5	10.4	10.5	10.4	10.7	10.57	10.52
Turbidity (NTU)	3.3	3.6	3.3	3.4	3.4	3.4	3.40	-
SS (mg/L)	5.0	5.0	6.0	6.0	6.0	5.0	5.50	-
Remarks								

Station	MPB1							
Time (hh:mm)	12:15-12:16							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.7	19.7	18.4	19.6	19.7	19.44	-
Salinity (ppt)	39.6	39.6	39.5	38.6	39.6	39.4	39.38	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.17	
D.O. Saturation (%)	128.1	131.0	134.3	130.3	129.6	137.8	131.85	-
D.O. (mg/L)	9.3	9.5	9.7	9.7	9.4	10.0	9.60	9.70
Turbidity (NTU)	31.3	31.6	33.3	31.9	32.6	34.5	32.53	-
SS (mg/L)	5.0	5.0	7.0	8.0	10.0	10.0	7.50	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:38-12:39						Northing	Easting
Water Depth (m)	10.3						22.21.352	113.54.053
Monitoring Depth (m)	1.0		5.2		9.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.6	19.6	19.7	19.6	19.7	19.60	-
Salinity (ppt)	39.5	39.4	39.5	39.3	39.8	39.4	39.48	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	129.9	131.0	131.1	131.3	130.9	131.8	131.00	-
D.O. (mg/L)	9.4	9.5	9.5	9.5	9.5	9.6	9.51	9.52
Turbidity (NTU)	5.9	5.5	7.3	7.8	9.2	9.7	7.57	-
SS (mg/L)	4.0	4.0	4.0	4.0	5.0	4.0	4.17	-
Remarks	Brownish water color was observed. No Dredging works was operated.							

Station	MPB2							
Time (hh:mm)	12:04-12:06							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	18.9	19.0	19.0	17.7	18.72	-
Salinity (ppt)	38.8	38.8	38.7	38.6	38.6	38.6	38.66	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	140.2	139.0	138.8	142.4	145.2	141.4	141.17	-
D.O. (mg/L)	10.4	10.3	10.3	10.5	10.7	10.7	10.46	10.70
Turbidity (NTU)	6.3	6.3	7.3	7.7	10.1	10.3	8.00	-
SS (mg/L)	6.0	10.0	7.0	7.0	7.0	7.0	7.33	-
Remarks	Brownish water color was observed. No Dredging works was operated.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:46-12:47						Northing	Easting
Water Depth (m)	8.7						22.21.016	113.54.192
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	18.3	19.7	19.6	18.4	19.19	-
Salinity (ppt)	39.8	39.9	39.9	39.7	39.8	38.9	39.65	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.16	
D.O. Saturation (%)	133.1	128.8	131.3	137.1	130.4	143.7	134.07	-
D.O. (mg/L)	9.6	9.3	9.7	9.9	9.4	10.7	9.80	10.07
Turbidity (NTU)	6.4	6.8	6.9	6.7	8.5	8.1	7.23	-
SS (mg/L)	7.0	7.0	7.0	7.0	7.0	7.0	7.00	-
Remarks	Brownish water color was observed. No Dredging works was operated.							

Station	MP							
Time (hh:mm)	12:25-12:25							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	20.1	-	-	19.0	19.5	19.52	-
Salinity (ppt)	39.6	38.9	-	-	40.3	39.4	39.56	-
pH	8.2	8.2	-	-	8.1	8.2	8.15	
D.O. Saturation (%)	137.5	130.6	-	-	140.7	133.5	135.58	-
D.O. (mg/L)	10.0	9.4	-	-	10.3	9.7	9.85	9.99
Turbidity (NTU)	4.3	4.2	-	-	4.7	4.3	4.38	-
SS (mg/L)	5.0	5.0	-	-	5.0	5.0	5.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	10.1	10.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	10.1	10.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.4	NA	N	NA	N	NA	Y	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	6.8	6.8	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/3/2008
Weather & Ambient Temperature	Sunny, 14C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	9:12-9:14							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.6	19.6	19.6	18.6	19.6	19.43	-
Salinity (ppt)	40.0	40.3	40.0	40.4	40.6	40.3	40.26	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.27	
D.O. Saturation (%)	130.5	129.1	131.1	129.7	132.4	130.1	130.48	-
D.O. (mg/L)	9.4	9.3	9.5	9.4	9.7	9.4	9.46	9.56
Turbidity (NTU)	2.3	2.1	2.6	2.8	3.2	3.1	2.68	-
SS (mg/L)	4.0	6.0	6.0	6.0	6.0	6.0	5.67	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	9:38-9:39							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.7	18.6	18.7	19.2	18.6	18.74	-
Salinity (ppt)	40.2	40.0	40.2	40.0	39.5	40.1	39.98	-
pH	8.3	8.2	8.3	8.2	8.2	8.3	8.24	
D.O. Saturation (%)	139.8	139.4	139.6	139.2	139.1	139.6	139.45	-
D.O. (mg/L)	10.3	10.3	10.3	10.2	10.2	10.3	10.25	10.22
Turbidity (NTU)	2.4	2.5	2.5	2.6	3.2	3.0	2.70	-
SS (mg/L)	6.0	5.0	5.0	6.0	5.0	6.0	5.50	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	8:52-8:54						Northing	Easting
Water Depth (m)	9.7						22.21.393	113.53.928
Monitoring Depth (m)	1.0		4.9		8.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.8	19.3	18.8	18.8	19.3	18.97	-
Salinity (ppt)	39.4	39.5	38.9	39.5	39.4	39.0	39.27	-
pH	8.3	8.3	8.2	8.3	8.2	8.3	8.25	
D.O. Saturation (%)	137.8	137.3	137.0	137.8	137.0	137.3	137.37	-
D.O. (mg/L)	10.2	10.1	10.0	10.2	10.1	10.05	10.10	10.08
Turbidity (NTU)	3.7	3.6	3.9	3.9	3.8	3.8	3.78	-
SS (mg/L)	6.0	4.0	5.0	5.0	8.0	7.0	5.83	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	9:46-9:47							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	17.6	17.6	18.6	18.5	18.21	-
Salinity (ppt)	40.3	40.4	41.5	41.3	40.5	40.3	40.71	-
pH	8.2	8.2	8.3	8.2	8.3	8.2	8.24	
D.O. Saturation (%)	135.5	134.8	136.4	136.7	135.1	135.1	135.60	-
D.O. (mg/L)	10.0	9.9	10.2	10.2	9.9	10.0	10.02	9.95
Turbidity (NTU)	2.9	2.9	3.2	3.2	3.1	3.2	3.08	-
SS (mg/L)	7.0	7.0	4.0	5.0	6.0	6.0	5.83	-
Remarks	No dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	8:43-8:44						Northing	Easting
Water Depth (m)	8.5						22.20.994	113.54.314
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	17.5	18.6	17.5	18.5	18.21	-
Salinity (ppt)	39.7	40.1	40.8	40.2	41.4	39.9	40.35	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.26	
D.O. Saturation (%)	147.2	147.3	149.5	147.0	148.3	148.2	147.92	-
D.O. (mg/L)	10.9	10.9	11.2	10.8	11.1	10.95	10.96	11.00
Turbidity (NTU)	4.7	4.6	5.2	5.3	5.8	6.2	5.30	-
SS (mg/L)	8.0	7.0	8.0	10.0	8.0	7.0	8.00	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	9:29-9:30							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.3	17.3	-	-	18.1	18.3	17.74	-
Salinity (ppt)	41.2	41.2	-	-	40.5	40.2	40.76	-
pH	8.2	8.2	-	-	8.2	8.2	8.20	
D.O. Saturation (%)	132.3	135.7	-	-	126.4	132.6	131.75	-
D.O. (mg/L)	9.9	10.2	-	-	9.4	9.8	9.82	9.59
Turbidity (NTU)	2.4	2.3	-	-	2.8	2.8	2.58	-
SS (mg/L)	3.0	4.0	-	-	5.0	4.0	4.00	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.6	9.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.5	9.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	3.5	NA	Y	NA	Y	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	7.4	7.4	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/3/2008
Weather & Ambient Temperature	Fine, 16C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:07-14:08							
Water Depth (m)	16.3							
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	18.8	18.7	19.7	19.6	19.7	19.39	-
Salinity (ppt)	41.0	42.2	42.1	41.3	41.3	41.0	41.48	-
pH	8.3	8.3	8.3	8.3	8.3	8.2	8.25	
D.O. Saturation (%)	134.2	134.9	135.9	133.5	134.3	135.3	134.68	-
D.O. (mg/L)	9.6	9.8	9.9	9.6	9.7	9.7	9.70	9.68
Turbidity (NTU)	2.3	2.2	2.4	2.5	2.9	2.8	2.52	-
SS (mg/L)	4.0	5.0	3.0	2.0	3.0	2.0	3.17	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	12:45-12:46							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	17.4	17.9	17.9	18.0	17.9	17.86	-
Salinity (ppt)	41.1	41.9	41.1	41.1	41.1	41.3	41.25	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	143.0	147.0	142.4	145.3	144.9	139.2	143.63	-
D.O. (mg/L)	10.6	11.0	10.6	10.8	10.7	10.3	10.65	10.52
Turbidity (NTU)	3.0	3.1	3.3	3.4	3.5	3.6	3.32	-
SS (mg/L)	3.0	4.0	4.0	5.0	5.0	4.0	4.17	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:11-13:12							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.8	18.7	19.2	19.3	18.6	18.7	18.89	-
Salinity (ppt)	40.5	40.6	40.1	40.0	40.6	40.5	40.38	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	140.9	140.7	139.9	139.7	141.4	140.9	140.58	-
D.O. (mg/L)	10.3	10.3	10.2	10.2	10.4	10.3	10.28	10.35
Turbidity (NTU)	2.9	2.9	3.1	3.4	3.3	3.5	3.18	-
SS (mg/L)	6.0	6.0	8.0	6.0	5.0	6.0	6.17	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:31-13:32						Northing	Easting
Water Depth (m)	9.1						22.21.336	113.53.743
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.8	17.9	18.5	18.4	18.5	18.4	18.39	-
Salinity (ppt)	40.7	41.6	40.6	40.8	40.6	40.9	40.86	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	135.4	135.9	134.4	135.6	134.1	136.2	135.27	-
D.O. (mg/L)	9.9	10.1	9.9	10.0	9.9	10.0	9.96	9.95
Turbidity (NTU)	3.1	3.2	3.5	3.3	3.2	3.1	3.23	-
SS (mg/L)	6.0	5.0	6.0	4.0	9.0	7.0	6.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:03-13:04							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.0	17.2	18.3	18.3	17.2	18.19	-
Salinity (ppt)	40.0	40.0	41.7	40.5	40.6	41.5	40.69	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	143.4	142.0	145.6	142.8	143.8	144.1	143.62	-
D.O. (mg/L)	10.5	10.4	10.9	10.6	10.6	10.8	10.62	10.71
Turbidity (NTU)	2.3	2.4	2.6	2.5	3.8	3.7	2.88	-
SS (mg/L)	4.0	4.0	5.0	3.0	9.0	5.0	5.00	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:39-13:40						Northing	Easting
Water Depth (m)	8.7						22.20.949	113.54.012
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.7	18.7	18.5	18.6	18.5	18.6	18.45	-
Salinity (ppt)	41.7	40.7	40.9	40.8	41.0	40.8	40.97	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	134.7	133.8	134.2	133.3	133.8	134.3	134.02	-
D.O. (mg/L)	10.0	9.8	9.9	9.8	9.8	9.9	9.85	9.83
Turbidity (NTU)	4.1	4.2	4.3	4.1	4.9	4.8	4.40	-
SS (mg/L)	8.0	5.0	7.0	6.0	7.0	7.0	6.67	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:20-13:21							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	19.2	-	-	18.6	17.6	18.52	-
Salinity (ppt)	40.4	40.0	-	-	40.5	41.4	40.58	-
pH	8.2	8.2	-	-	8.2	8.2	8.22	
D.O. Saturation (%)	136.2	135.8	-	-	136.5	138.1	136.65	-
D.O. (mg/L)	10.0	9.9	-	-	10.0	10.3	10.05	10.15
Turbidity (NTU)	2.1	2.1	-	-	2.2	2.2	2.15	-
SS (mg/L)	5.0	5.0	-	-	6.0	8.0	6.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	10.1	10.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	10.2	10.2	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	3.8	NA	N	NA	Y	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	4.8	4.8	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/4/2008
Weather & Ambient Temperature	Sunny, 18C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	10:29-10:31							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.5	19.1	19.5	19.1	19.1	19.34	-
Salinity (ppt)	40.9	41.3	41.2	40.5	41.2	40.9	41.00	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	131.9	130.9	131.0	131.4	131.7	132.7	131.60	-
D.O. (mg/L)	9.5	9.4	9.5	9.5	9.6	9.6	9.51	9.60
Turbidity (NTU)	1.5	1.4	2.8	2.7	2.6	2.5	2.25	-
SS (mg/L)	5.0	3.0	4.0	6.0	3.0	5.0	4.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	10:55-10:56							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.0	19.4	19.4	19.0	19.0	19.13	-
Salinity (ppt)	40.2	40.1	39.7	39.8	40.2	40.1	40.02	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	130.9	131.3	130.8	130.4	131.6	131.9	131.15	-
D.O. (mg/L)	9.6	9.6	9.5	9.5	9.6	9.6	9.57	9.63
Turbidity (NTU)	5.4	5.4	5.5	5.4	6.1	5.9	5.62	-
SS (mg/L)	9.0	10.0	8.0	9.0	8.0	10.0	9.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:09-10:11						Northing	Easting
Water Depth (m)	10.2						22.21.386	113.53.941
Monitoring Depth (m)	1.0		5.1		9.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.0	18.8	18.0	18.9	18.9	18.78	-
Salinity (ppt)	40.4	40.5	40.5	41.4	40.5	40.5	40.64	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	130.3	130.3	130.7	131.9	130.6	130.6	130.73	-
D.O. (mg/L)	9.5	9.5	9.6	9.8	9.5	9.54	9.56	9.54
Turbidity (NTU)	3.3	3.4	3.6	3.7	3.9	3.8	3.62	-
SS (mg/L)	10.0	8.0	9.0	8.0	8.0	6.0	8.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:03-11:04							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.0	18.0	18.7	18.7	17.7	18.57	-
Salinity (ppt)	39.4	39.9	40.8	40.1	40.0	41.0	40.20	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	139.2	138.9	141.7	139.4	139.5	140.1	139.80	-
D.O. (mg/L)	10.1	10.2	10.5	10.3	10.3	10.4	10.29	10.35
Turbidity (NTU)	2.7	2.5	2.8	2.4	2.6	2.5	2.58	-
SS (mg/L)	4.0	3.0	8.0	6.0	7.0	6.0	5.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:00-10:01						Northing	Easting
Water Depth (m)	8.4						22.20.993	113.54.126
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.1	18.8	18.8	19.2	18.7	18.92	-
Salinity (ppt)	40.8	40.7	40.8	40.8	40.4	40.9	40.73	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	132.2	132.4	132.7	132.9	132.5	133.3	132.67	-
D.O. (mg/L)	9.6	9.6	9.7	9.7	9.6	9.75	9.68	9.70
Turbidity (NTU)	2.6	2.4	3.5	3.1	3.8	3.8	3.20	-
SS (mg/L)	6.0	3.0	5.0	3.0	8.0	4.0	4.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	10:46-10:47							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	-	-	18.9	18.9	18.96	-
Salinity (ppt)	40.3	40.2	-	-	40.3	40.3	40.29	-
pH	8.2	8.2	-	-	8.2	8.2	8.19	
D.O. Saturation (%)	130.4	129.9	-	-	130.0	130.4	130.18	-
D.O. (mg/L)	9.5	9.5	-	-	9.5	9.5	9.51	9.52
Turbidity (NTU)	3.8	4.0	-	-	4.1	3.8	3.93	-
SS (mg/L)	7.0	8.0	-	-	3.0	5.0	5.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.6	9.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.5	9.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	2.9	NA	Y	NA	Y	NA	Y	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	5.6	5.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/4/2008
Weather & Ambient Temperature	Fine, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:24-14:26							
Water Depth (m)	16.1							
Monitoring Depth (m)	1.0		8.1		15.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	20.0	19.2	19.2	19.6	19.2	19.44	-
Salinity (ppt)	37.2	40.3	40.6	40.8	40.3	40.6	39.96	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	130.9	131.5	130.9	132.2	132.0	131.4	131.48	-
D.O. (mg/L)	9.7	9.4	9.5	9.6	9.5	9.6	9.54	9.54
Turbidity (NTU)	2.5	2.5	2.8	2.5	3.3	3.2	2.80	-
SS (mg/L)	4.0	4.0	5.0	3.0	4.0	5.0	4.17	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	13:01-13:02							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.8	18.7	18.3	18.4	18.3	18.47	-
Salinity (ppt)	41.1	40.1	40.9	40.8	41.4	40.9	40.88	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	140.3	143.2	138.9	144.1	137.3	142.7	141.08	-
D.O. (mg/L)	10.3	10.5	10.2	10.6	10.1	10.5	10.36	10.29
Turbidity (NTU)	3.7	3.6	4.0	4.3	4.3	4.6	4.08	-
SS (mg/L)	5.0	4.0	4.0	6.0	8.0	6.0	5.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:28-13:29							
Water Depth (m)	9.1							
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.1	18.1	19.0	18.9	18.9	18.92	-
Salinity (ppt)	39.6	40.1	41.1	40.1	40.2	40.3	40.25	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	131.1	129.9	131.1	131.3	131.1	129.2	130.62	-
D.O. (mg/L)	9.5	9.5	9.7	9.6	9.6	9.4	9.56	9.52
Turbidity (NTU)	5.4	5.9	6.4	6.4	6.5	6.0	6.10	-
SS (mg/L)	9.0	9.0	10.0	11.0	12.0	10.0	10.17	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:49-13:50						Northing	Easting
Water Depth (m)	9.5						22.21.378	113.53.934
Monitoring Depth (m)	1.0		4.8		8.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.1	19.0	18.9	18.0	19.4	18.93	-
Salinity (ppt)	40.3	40.4	40.4	40.5	41.3	40.1	40.49	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	129.6	130.6	129.2	130.6	131.7	128.2	129.98	-
D.O. (mg/L)	9.4	9.5	9.4	9.6	9.7	9.3	9.49	9.52
Turbidity (NTU)	3.7	3.4	3.1	3.0	3.2	3.4	3.30	-
SS (mg/L)	6.0	7.0	7.0	4.0	8.0	6.0	6.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:17-13:19							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	19.0	19.3	18.6	18.0	18.81	-
Salinity (ppt)	39.9	39.9	39.9	39.6	40.1	40.8	40.02	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	138.5	140.2	138.2	139.8	139.7	136.8	138.87	-
D.O. (mg/L)	10.1	10.3	10.1	10.2	10.3	10.1	10.19	10.22
Turbidity (NTU)	3.0	2.8	2.8	2.8	2.7	2.9	2.83	-
SS (mg/L)	5.0	4.0	4.0	6.0	4.0	6.0	4.83	-
Remarks	Dredging works and brownish water color were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:58-13:59						Northing	Easting
Water Depth (m)	8.2						22.20.990	113.54.121
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	18.0	18.8	18.9	18.9	18.80	-
Salinity (ppt)	40.6	40.7	41.5	40.7	40.7	40.7	40.80	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	131.2	132.4	131.8	132.5	132.4	129.7	131.67	-
D.O. (mg/L)	9.6	9.6	9.7	9.7	9.7	9.5	9.62	9.57
Turbidity (NTU)	2.6	2.3	3.0	2.7	2.7	2.7	2.67	-
SS (mg/L)	6.0	4.0	6.0	4.0	3.0	3.0	4.33	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:38-13:38							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	18.9	-	-	18.8	19.0	18.95	-
Salinity (ppt)	40.3	40.3	-	-	40.4	40.2	40.29	-
pH	8.2	8.2	-	-	8.2	8.2	8.18	
D.O. Saturation (%)	128.5	129.5	-	-	128.0	129.5	128.88	-
D.O. (mg/L)	9.4	9.5	-	-	9.4	9.5	9.42	9.42
Turbidity (NTU)	4.2	4.1	-	-	5.1	5.2	4.65	-
SS (mg/L)	7.0	5.0	-	-	3.0	4.0	4.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.9	9.9	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	10.0	10.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	4.5	NA	N	NA	N	NA	Y	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	6.3	6.3	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/5/2008
Weather & Ambient Temperature	Sunny, 18C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	10:44-10:46							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	18.3	19.1	19.2	19.1	18.98	-
Salinity (ppt)	39.4	39.3	40.1	39.5	39.4	39.5	39.55	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	131.0	132.9	134.5	131.6	135.2	131.7	132.82	-
D.O. (mg/L)	9.6	9.7	10.0	9.7	9.9	9.7	9.75	9.78
Turbidity (NTU)	6.1	6.0	7.2	7.3	8.2	8.4	7.20	-
SS (mg/L)	6.0	8.0	6.0	6.0	9.0	7.0	7.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:10-11:11							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	18.2	19.0	19.1	19.1	19.0	18.88	-
Salinity (ppt)	38.9	39.8	39.4	39.2	39.5	39.4	39.35	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	131.0	131.3	130.2	131.7	135.8	130.3	131.72	-
D.O. (mg/L)	9.6	9.8	9.6	9.7	10.0	9.6	9.69	9.76
Turbidity (NTU)	4.5	4.5	5.7	5.7	7.6	7.4	5.90	-
SS (mg/L)	6.0	5.0	6.0	5.0	6.0	4.0	5.33	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:24-10:25						Northing	Easting
Water Depth (m)	8.8						22.21.527	113.54.636
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	19.0	19.4	19.0	19.5	19.15	-
Salinity (ppt)	39.0	39.0	39.2	38.8	39.2	38.9	39.00	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	139.6	138.0	140.2	137.6	138.3	142.3	139.33	-
D.O. (mg/L)	10.3	10.2	10.3	10.1	10.2	10.39	10.22	10.28
Turbidity (NTU)	6.2	6.6	7.5	7.2	8.6	8.1	7.37	-
SS (mg/L)	6.0	6.0	5.0	5.0	7.0	7.0	6.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:19-11:20							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.2	19.0	18.9	18.9	18.6	17.9	18.58	-
Salinity (ppt)	39.9	39.3	39.7	39.8	39.9	40.6	39.85	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	134.9	132.5	134.4	132.2	132.1	136.6	133.78	-
D.O. (mg/L)	10.0	9.7	9.9	9.7	9.7	10.2	9.87	9.95
Turbidity (NTU)	4.2	4.1	5.8	5.7	6.2	6.3	5.38	-
SS (mg/L)	6.0	6.0	5.0	7.0	7.0	9.0	6.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:14-10:15						Northing	Easting
Water Depth (m)	9.2						22.21.166	113.54.622
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	19.0	18.8	18.9	18.8	18.8	18.86	-
Salinity (ppt)	40.4	42.7	40.7	44.0	41.2	45.1	42.33	-
pH	8.2	8.1	8.2	8.1	8.2	8.1	8.14	
D.O. Saturation (%)	141.7	141.8	141.8	142.0	141.6	142.7	141.93	-
D.O. (mg/L)	10.4	10.2	10.4	10.2	10.3	10.16	10.26	10.24
Turbidity (NTU)	3.3	3.1	4.1	4.1	4.1	4.2	3.82	-
SS (mg/L)	5.0	6.0	6.0	8.0	8.0	9.0	7.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:03-11:03							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	18.8	-	-	18.7	19.1	18.94	-
Salinity (ppt)	38.5	39.0	-	-	39.6	38.8	38.98	-
pH	8.1	8.1	-	-	8.1	8.1	8.11	
D.O. Saturation (%)	131.3	134.0	-	-	135.4	132.1	133.20	-
D.O. (mg/L)	9.7	9.9	-	-	10.0	9.7	9.81	9.85
Turbidity (NTU)	3.5	3.4	-	-	4.3	4.0	3.80	-
SS (mg/L)	4.0	4.0	-	-	5.0	4.0	4.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.8	9.8	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.7	9.7	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	9.4	NA	N	NA	N	NA	N	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	9.1	9.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/5/2008
Weather & Ambient Temperature	Fine, 20C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:59-15:01							
Water Depth (m)	15.7							
Monitoring Depth (m)	1.0		7.9		14.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	19.4	19.3	19.3	19.2	19.2	19.28	-
Salinity (ppt)	40.6	40.3	40.6	40.4	40.6	40.4	40.47	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	133.2	133.6	133.3	133.7	133.6	135.2	133.77	-
D.O. (mg/L)	9.7	9.7	9.7	9.7	9.7	9.8	9.70	9.76
Turbidity (NTU)	2.3	2.3	2.2	2.1	2.3	2.1	2.22	-
SS (mg/L)	5.0	6.0	7.0	6.0	5.0	5.0	5.67	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	13:44-13:45							
Water Depth (m)	6.7							
Monitoring Depth (m)	1.0		3.4		5.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.6	18.6	18.7	17.7	18.51	-
Salinity (ppt)	41.2	40.5	40.6	41.6	42.2	41.8	41.32	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	142.2	142.4	142.7	142.2	142.0	143.9	142.57	-
D.O. (mg/L)	10.4	10.4	10.5	10.4	10.3	10.7	10.44	10.49
Turbidity (NTU)	5.5	5.6	5.4	5.7	5.9	5.8	5.65	-
SS (mg/L)	5.0	6.0	6.0	6.0	8.0	6.0	6.17	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:10-14:10							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.0	19.0	18.9	18.9	19.1	19.05	-
Salinity (ppt)	39.1	39.6	40.1	40.0	40.1	40.3	39.86	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	131.8	134.5	135.0	133.2	133.8	136.9	134.20	-
D.O. (mg/L)	9.6	9.9	9.9	9.8	9.8	10.0	9.82	9.89
Turbidity (NTU)	4.8	5.0	6.3	6.2	6.7	6.9	5.98	-
SS (mg/L)	7.0	5.0	5.0	5.0	6.0	4.0	5.33	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	14:27-14:29						Northing	Easting
Water Depth (m)	9.4						22.21.628	113.54.589
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.5	19.4	18.9	19.0	18.9	19.12	-
Salinity (ppt)	39.5	39.6	39.9	40.4	40.2	40.5	40.00	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	133.3	132.5	132.9	133.6	135.9	133.8	133.67	-
D.O. (mg/L)	9.8	9.6	9.7	9.8	9.9	9.8	9.76	9.86
Turbidity (NTU)	4.2	4.3	5.7	5.7	6.0	6.1	5.33	-
SS (mg/L)	6.0	6.0	3.0	4.0	3.0	4.0	4.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	14:01-14:02							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.0	18.7	18.7	18.6	18.6	18.78	-
Salinity (ppt)	39.4	39.5	40.0	39.9	40.0	40.0	39.79	-
pH	8.1	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	138.9	138.6	139.2	138.3	139.6	138.4	138.83	-
D.O. (mg/L)	10.2	10.2	10.2	10.2	10.3	10.2	10.21	10.24
Turbidity (NTU)	3.8	4.0	5.0	4.7	4.8	4.7	4.50	-
SS (mg/L)	6.0	5.0	6.0	4.0	7.0	5.0	5.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)							Northing	Easting
Water Depth (m)	8.2						22.21.269	113.54.681
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.3	19.2	19.0	19.3	18.8	19.19	-
Salinity (ppt)	39.9	40.1	40.4	40.5	40.6	40.7	40.37	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	133.6	134.3	134.6	133.7	135.5	134.6	134.38	-
D.O. (mg/L)	9.7	9.8	9.8	9.8	9.8	9.8	9.77	9.83
Turbidity (NTU)	3.3	3.1	3.7	3.7	6.0	5.9	4.28	-
SS (mg/L)	4.0	6.0	4.0	6.0	5.0	4.0	4.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)								
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.1	-	-	19.0	19.1	19.05	-
Salinity (ppt)	39.6	39.6	-	-	39.7	39.7	39.66	-
pH	8.2	8.2	-	-	8.2	8.1	8.16	
D.O. Saturation (%)	134.8	135.5	-	-	135.0	137.6	135.73	-
D.O. (mg/L)	9.9	9.9	-	-	9.9	10.1	9.94	9.98
Turbidity (NTU)	3.1	3.2	-	-	3.7	3.8	3.45	-
SS (mg/L)	6.0	5.0	-	-	7.0	5.0	5.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	10.1	10.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	10.1	10.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.1	NA	Y	NA	N	NA	Y	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	7.7	7.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/6/2008
Weather & Ambient Temperature	Sunny, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	10:55-10:56							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	18.5	19.1	19.0	19.1	19.1	19.04	-
Salinity (ppt)	40.0	40.9	40.1	40.2	40.2	40.2	40.25	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	133.1	133.6	133.1	132.8	133.6	133.8	133.33	-
D.O. (mg/L)	9.7	9.8	9.7	9.7	9.7	9.8	9.73	9.76
Turbidity (NTU)	2.1	2.2	2.4	2.4	2.7	2.5	2.38	-
SS (mg/L)	4.0	4.0	4.0	6.0	5.0	4.0	4.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:20-11:22							
Water Depth (m)	7.9							
Monitoring Depth (m)	1.0		4.0		6.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	19.1	18.9	18.9	19.0	18.9	18.85	-
Salinity (ppt)	39.1	38.4	39.0	39.0	38.9	38.9	38.88	-
pH	8.1	8.1	8.2	8.2	8.2	8.1	8.15	
D.O. Saturation (%)	132.4	130.7	131.7	131.3	131.8	131.7	131.60	-
D.O. (mg/L)	9.9	9.6	9.7	9.7	9.7	9.7	9.72	9.71
Turbidity (NTU)	4.7	4.9	5.8	5.6	5.6	5.3	5.32	-
SS (mg/L)	5.0	6.0	4.0	7.0	6.0	8.0	6.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:34-10:35						Northing	Easting
Water Depth (m)	8.5						22.21.331	113.53.927
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	19.4	19.1	19.0	19.0	19.10	-
Salinity (ppt)	39.0	39.0	39.0	39.3	39.3	39.4	39.17	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	128.1	128.0	127.7	127.9	127.8	128.2	127.95	-
D.O. (mg/L)	9.4	9.4	9.3	9.4	9.4	9.41	9.39	9.39
Turbidity (NTU)	5.7	5.8	6.5	6.5	6.1	6.1	6.12	-
SS (mg/L)	5.0	7.0	6.0	7.0	6.0	4.0	5.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:29-11:30							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	19.7	18.8	18.9	18.9	18.9	18.96	-
Salinity (ppt)	39.3	38.1	39.4	39.3	39.3	39.5	39.15	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	139.5	138.1	138.0	138.4	138.0	137.5	138.25	-
D.O. (mg/L)	10.3	10.1	10.2	10.2	10.2	10.1	10.17	10.13
Turbidity (NTU)	4.6	4.7	5.1	5.2	5.5	5.4	5.08	-
SS (mg/L)	4.0	6.0	6.0	5.0	5.0	7.0	5.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:24-10:25						Northing	Easting
Water Depth (m)	9.1						22.21.011	113.54.069
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.6	18.9	19.0	19.0	19.0	19.11	-
Salinity (ppt)	39.3	38.9	39.8	39.6	39.7	39.7	39.48	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	128.4	128.4	128.8	127.9	129.5	128.3	128.55	-
D.O. (mg/L)	9.4	9.4	9.5	9.4	9.5	9.40	9.41	9.45
Turbidity (NTU)	5.6	5.7	5.6	5.6	5.7	5.6	5.63	-
SS (mg/L)	10.0	8.0	11.0	9.0	9.0	11.0	9.67	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:13-11:14							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	19.2	-	-	19.3	19.2	19.26	-
Salinity (ppt)	38.7	38.8	-	-	38.8	38.8	38.80	-
pH	8.2	8.2	-	-	8.2	8.2	8.16	
D.O. Saturation (%)	129.3	128.8	-	-	128.7	130.1	129.23	-
D.O. (mg/L)	9.5	9.5	-	-	9.4	9.6	9.48	9.49
Turbidity (NTU)	3.7	3.8	-	-	3.9	3.9	3.83	-
SS (mg/L)	6.0	7.0	-	-	5.0	7.0	6.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.8	9.8	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.7	9.7	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	3.1	NA	Y	NA	Y	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	5.9	5.9	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/6/2008
Weather & Ambient Temperature	Fine, 20C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	15:43-15:44							
Water Depth (m)	16.2							
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.7	19.2	19.2	19.3	19.5	19.38	-
Salinity (ppt)	39.9	39.6	40.0	40.0	40.0	39.7	39.85	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	130.4	132.7	132.7	129.2	124.8	132.2	130.33	-
D.O. (mg/L)	9.5	9.6	9.7	9.4	9.1	9.6	9.48	9.34
Turbidity (NTU)	2.7	2.7	2.8	2.9	3.2	3.1	2.90	-
SS (mg/L)	3.0	5.0	3.0	4.0	5.0	6.0	4.33	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	14:29-14:30							
Water Depth (m)	6.7							
Monitoring Depth (m)	1.0		3.4		5.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.2	19.2	18.9	19.3	18.8	18.89	-
Salinity (ppt)	41.9	44.3	43.8	42.2	44.3	42.5	43.17	-
pH	8.2	8.2	8.1	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	139.0	134.2	129.6	138.1	123.6	137.3	133.63	-
D.O. (mg/L)	10.1	9.7	9.2	10.0	8.8	9.9	9.61	9.34
Turbidity (NTU)	5.5	5.8	6.3	6.1	6.8	6.6	6.18	-
SS (mg/L)	7.0	8.0	6.0	7.0	7.0	7.0	7.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:54-14:55							
Water Depth (m)	8.1							
Monitoring Depth (m)	1.0		4.1		7.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	18.3	18.3	19.0	18.2	19.0	18.65	-
Salinity (ppt)	38.6	39.3	39.7	39.0	39.8	39.2	39.27	-
pH	8.1	8.2	8.2	8.2	8.2	8.1	8.15	
D.O. Saturation (%)	128.9	132.1	128.3	130.7	131.7	124.4	129.35	-
D.O. (mg/L)	9.5	9.8	9.5	9.6	9.8	9.2	9.57	9.47
Turbidity (NTU)	4.8	4.9	5.5	5.3	7.9	7.8	6.03	-
SS (mg/L)	4.0	6.0	6.0	6.0	6.0	6.0	5.67	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:14-15:15						Northing	Easting
Water Depth (m)	8.7						22.21.353	113.53.923
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	19.1	19.0	19.0	19.1	19.08	-
Salinity (ppt)	38.9	39.0	39.4	39.4	39.4	39.5	39.28	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	125.1	127.4	124.0	127.0	126.8	120.3	125.10	-
D.O. (mg/L)	9.2	9.4	9.1	9.3	9.3	8.8	9.18	9.05
Turbidity (NTU)	6.5	6.2	7.9	7.7	8.7	8.6	7.60	-
SS (mg/L)	6.0	5.0	6.0	6.0	7.0	6.0	6.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	14:45-14:46							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.8	18.7	18.9	19.0	19.0	19.0	18.90	-
Salinity (ppt)	39.3	39.2	39.5	39.5	39.5	39.7	39.46	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	135.4	138.6	137.0	133.0	135.4	129.2	134.77	-
D.O. (mg/L)	10.0	10.2	10.1	9.8	9.9	9.5	9.91	9.70
Turbidity (NTU)	4.0	4.1	4.7	4.8	4.7	4.8	4.52	-
SS (mg/L)	4.0	4.0	4.0	6.0	5.0	6.0	4.83	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	15:20-15:21						Northing	Easting
Water Depth (m)	9.3						22.21.025	113.54.072
Monitoring Depth (m)	1.0		4.7		8.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	19.2	19.0	18.9	19.1	18.3	18.86	-
Salinity (ppt)	39.9	39.1	39.9	39.8	39.6	40.8	39.84	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	123.7	127.5	119.4	125.5	125.2	118.1	123.23	-
D.O. (mg/L)	9.1	9.3	8.7	9.2	9.2	8.7	9.05	8.94
Turbidity (NTU)	6.2	6.1	6.2	6.1	6.6	6.4	6.27	-
SS (mg/L)	8.0	8.0	12.0	9.0	11.0	12.0	10.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	15:04-15:04							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.3	-	-	18.4	19.2	19.07	-
Salinity (ppt)	38.7	38.9	-	-	39.8	38.9	39.10	-
pH	8.2	8.2	-	-	8.1	8.2	8.16	
D.O. Saturation (%)	126.8	123.4	-	-	120.2	125.6	124.00	-
D.O. (mg/L)	9.3	9.0	-	-	8.9	9.2	9.11	9.06
Turbidity (NTU)	4.6	4.7	-	-	5.4	5.3	5.00	-
SS (mg/L)	7.0	5.0	-	-	6.0	5.0	5.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.3	9.3	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.5	9.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.9	NA	Y	NA	Y	NA	Y	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	7.4	7.4	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/7/2008
Weather & Ambient Temperature	Fine, 20C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	12:53-12:55							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.3	19.5	19.3	19.4	19.5	19.43	-
Salinity (ppt)	38.2	38.6	39.5	39.4	39.8	39.8	39.20	-
pH	8.1	8.1	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	130.2	130.0	130.0	130.3	129.8	129.5	129.97	-
D.O. (mg/L)	9.5	9.5	9.5	9.5	9.4	9.4	9.48	9.42
Turbidity (NTU)	4.6	4.3	4.6	4.7	4.9	4.7	4.63	-
SS (mg/L)	5.0	6.0	6.0	5.0	8.0	6.0	6.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:28-12:29							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	19.2	19.1	19.1	19.1	19.1	18.99	-
Salinity (ppt)	38.6	37.9	38.4	38.5	38.6	38.7	38.44	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	123.9	124.1	123.9	122.4	123.7	122.0	123.33	-
D.O. (mg/L)	9.2	9.2	9.1	9.0	9.1	9.0	9.11	9.05
Turbidity (NTU)	7.4	7.1	7.3	7.0	7.1	7.1	7.17	-
SS (mg/L)	7.0	9.0	7.0	11.0	9.0	11.0	9.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:15-12:16						Northing	Easting
Water Depth (m)	8.6						22.20.969	113.53.773
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.1	18.3	19.2	19.2	19.02	-
Salinity (ppt)	37.9	37.8	38.5	39.3	38.8	39.0	38.52	-
pH	8.1	8.1	8.1	8.2	8.2	8.2	8.14	
D.O. Saturation (%)	133.2	134.7	134.9	134.0	132.7	134.2	133.95	-
D.O. (mg/L)	9.8	10.0	9.9	10.0	9.8	9.84	9.88	9.80
Turbidity (NTU)	7.3	7.4	9.0	8.8	10.2	10.2	8.82	-
SS (mg/L)	8.0	7.0	10.0	8.0	11.0	10.0	9.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:20-12:21							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.5	19.1	19.5	19.1	19.1	19.23	-
Salinity (ppt)	38.1	37.6	38.5	38.1	38.7	39.3	38.38	-
pH	8.1	8.1	8.1	8.1	8.1	8.2	8.14	
D.O. Saturation (%)	128.9	126.6	126.9	128.2	127.5	128.2	127.72	-
D.O. (mg/L)	9.5	9.3	9.4	9.4	9.4	9.4	9.39	9.40
Turbidity (NTU)	7.2	6.9	8.1	8.0	8.1	8.2	7.75	-
SS (mg/L)	6.0	6.0	8.0	6.0	8.0	6.0	6.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:08-12:09						Northing	Easting
Water Depth (m)	8.8						22.21.339	113.54.691
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.1	19.1	19.1	19.1	19.11	-
Salinity (ppt)	38.0	38.2	38.8	38.3	39.2	38.7	38.51	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	134.3	134.6	134.5	135.1	134.4	134.7	134.60	-
D.O. (mg/L)	9.9	9.9	9.9	10.0	9.9	9.92	9.91	9.90
Turbidity (NTU)	7.7	7.6	8.8	8.5	8.6	8.7	8.32	-
SS (mg/L)	7.0	7.0	8.0	7.0	8.0	8.0	7.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	12:37-12:37							
Water Depth (m)	5.5							
Monitoring Depth (m)	1.0		2.8		4.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.3	-	-	19.5	19.2	19.30	-
Salinity (ppt)	38.1	38.0	-	-	38.5	38.2	38.21	-
pH	8.1	8.1	-	-	8.1	8.1	8.11	
D.O. Saturation (%)	125.5	122.6	-	-	120.8	124.7	123.40	-
D.O. (mg/L)	9.3	9.0	-	-	8.8	9.2	9.07	9.01
Turbidity (NTU)	6.0	6.3	-	-	6.0	6.0	6.08	-
SS (mg/L)	12.0	10.0	-	-	7.0	8.0	9.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.4	9.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.5	9.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	6.0	NA	Y	NA	Y	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	7.8	7.8	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/7/2008
Weather & Ambient Temperature	Fine, 20C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	16:31-16:32							
Water Depth (m)	16.3							
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	19.4	19.3	19.4	19.3	18.7	19.12	-
Salinity (ppt)	40.5	39.8	40.1	40.1	40.2	41.0	40.28	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	133.6	133.7	133.7	131.8	133.9	131.9	133.10	-
D.O. (mg/L)	9.8	9.7	9.7	9.6	9.7	9.6	9.70	9.69
Turbidity (NTU)	2.0	2.1	2.3	2.3	2.1	2.2	2.17	-
SS (mg/L)	4.0	6.0	5.0	6.0	4.0	6.0	5.17	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	15:15-15:16							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.6	19.3	18.6	19.3	19.3	19.25	-
Salinity (ppt)	39.7	39.9	40.3	40.7	40.0	40.5	40.18	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.02	
D.O. Saturation (%)	140.8	139.4	138.4	141.8	140.4	137.8	139.77	-
D.O. (mg/L)	10.2	10.1	10.1	10.4	10.2	10.0	10.17	10.11
Turbidity (NTU)	5.4	5.3	6.9	6.8	8.1	7.6	6.68	-
SS (mg/L)	6.0	6.0	8.0	6.0	7.0	7.0	6.67	-
Remarks	Dredging works and Floating rubblish were observed. (Dead dog)							

Station	MPB1							
Time (hh:mm)	15:51-15:52							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.2	19.2	19.3	19.3	18.7	19.18	-
Salinity (ppt)	38.7	38.9	39.4	39.5	39.6	40.3	39.40	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	121.7	122.4	122.8	122.5	123.2	123.6	122.70	-
D.O. (mg/L)	8.9	9.0	9.0	9.0	9.0	9.1	8.98	9.04
Turbidity (NTU)	6.6	7.0	7.7	7.6	8.9	8.7	7.75	-
SS (mg/L)	6.0	6.0	6.0	6.0	10.0	11.0	7.50	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:47-15:48						Northing	Easting
Water Depth (m)	8.1						22.21.280	113.53.602
Monitoring Depth (m)	1.0		4.1		7.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.2	19.2	18.5	19.4	19.11	-
Salinity (ppt)	38.7	39.0	39.3	39.4	40.1	39.5	39.32	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	123.2	123.0	123.2	123.6	124.3	123.2	123.42	-
D.O. (mg/L)	9.1	9.0	9.0	9.0	9.2	9.0	9.05	9.08
Turbidity (NTU)	7.6	7.6	8.0	8.1	8.3	8.1	7.95	-
SS (mg/L)	6.0	6.0	7.0	6.0	11.0	11.0	7.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	15:33-15:34							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.2	19.1	19.2	19.4	19.3	19.28	-
Salinity (ppt)	38.2	38.4	38.7	38.8	38.7	39.1	38.64	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.03	
D.O. Saturation (%)	131.3	133.0	133.1	132.1	132.8	130.6	132.15	-
D.O. (mg/L)	9.6	9.8	9.8	9.7	9.7	9.6	9.70	9.63
Turbidity (NTU)	5.1	4.8	7.4	7.1	7.9	7.5	6.63	-
SS (mg/L)	4.0	4.0	4.0	6.0	7.0	9.0	5.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	15:41-15:41						Northing	Easting
Water Depth (m)	8.7						22.21.342	113.53.680
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	19.4	19.1	19.1	19.1	19.1	19.18	-
Salinity (ppt)	38.3	38.2	38.9	39.1	39.5	38.9	38.81	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.02	
D.O. Saturation (%)	130.5	131.5	132.1	129.9	128.3	131.9	130.70	-
D.O. (mg/L)	9.6	9.7	9.7	9.5	9.4	9.7	9.60	9.55
Turbidity (NTU)	5.1	4.9	6.4	6.6	6.3	6.0	5.88	-
SS (mg/L)	4.0	5.0	4.0	6.0	5.0	6.0	5.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	15:59-16:00							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.4	-	-	18.5	19.8	19.27	-
Salinity (ppt)	39.0	39.0	-	-	40.0	39.1	39.29	-
pH	8.1	8.1	-	-	8.1	8.1	8.12	
D.O. Saturation (%)	123.7	125.0	-	-	125.8	123.3	124.45	-
D.O. (mg/L)	9.0	9.1	-	-	9.3	8.9	9.10	9.12
Turbidity (NTU)	7.2	7.2	-	-	8.9	8.8	8.03	-
SS (mg/L)	6.0	4.0	-	-	5.0	5.0	5.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	9.9	9.9	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	9.9	9.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.8	NA	Y	NA	Y	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	7.7	7.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/8/2008
Weather & Ambient Temperature	Fine, 22C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	12:50-12:52							
Water Depth (m)	19.9							
Monitoring Depth (m)	1.0		10.0		18.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.8	18.6	18.6	18.8	18.9	18.76	-
Salinity (ppt)	30.4	30.5	31.7	31.7	32.2	32.2	31.44	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	88.3	86.4	87.8	90.2	91.3	87.8	88.63	-
D.O. (mg/L)	6.9	6.7	6.8	7.0	7.0	6.7	6.85	6.88
Turbidity (NTU)	6.1	6.4	6.4	6.5	6.9	6.3	6.43	-
SS (mg/L)	5.0	6.0	5.0	6.0	7.0	6.0	5.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:22-12:23							
Water Depth (m)	8.1							
Monitoring Depth (m)	1.0		4.1		7.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.5	18.5	18.6	18.57	-
Salinity (ppt)	30.6	30.7	30.8	31.0	31.4	30.9	30.90	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	90.1	87.8	91.0	88.1	93.9	88.5	89.90	-
D.O. (mg/L)	7.0	6.8	7.1	6.9	7.3	6.9	7.00	7.10
Turbidity (NTU)	10.8	10.6	10.7	10.8	10.7	10.4	10.67	-
SS (mg/L)	8.0	6.0	9.0	6.0	8.0	5.0	7.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:27-12:28						Northing	Easting
Water Depth (m)	8.3						22.21.424	113.53.699
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.5	18.5	18.5	18.5	18.57	-
Salinity (ppt)	30.6	30.6	31.1	31.0	31.3	31.4	31.00	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	86.7	84.9	87.4	85.3	85.8	89.4	86.58	-
D.O. (mg/L)	6.8	6.6	6.8	6.6	6.7	6.94	6.74	6.81
Turbidity (NTU)	9.2	9.8	11.4	11.1	10.4	10.7	10.43	-
SS (mg/L)	6.0	8.0	4.0	6.0	8.0	8.0	6.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:09-12:10							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.6	18.6	18.6	18.6	18.6	18.62	-
Salinity (ppt)	30.7	30.7	31.0	31.2	31.6	31.5	31.11	-
pH	8.0	8.0	8.0	8.0	7.9	7.9	7.94	
D.O. Saturation (%)	90.3	92.4	95.0	90.4	90.7	99.2	93.00	-
D.O. (mg/L)	7.0	7.2	7.4	7.0	7.0	7.7	7.23	7.36
Turbidity (NTU)	8.4	7.9	9.2	9.0	9.9	10.2	9.10	-
SS (mg/L)	9.0	9.0	7.0	9.0	8.0	10.0	8.67	-
Remarks	Dredging works and a layer of oil were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:14-12:15						Northing	Easting
Water Depth (m)	8.6						22.21.949	113.53.663
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.6	18.6	18.6	18.6	18.6	18.60	-
Salinity (ppt)	30.8	30.7	31.2	31.2	31.8	31.5	31.20	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	87.1	89.1	91.2	87.6	93.1	87.9	89.33	-
D.O. (mg/L)	6.8	6.9	7.1	6.8	7.2	6.81	6.94	7.01
Turbidity (NTU)	8.1	8.5	9.9	9.2	9.8	9.4	9.15	-
SS (mg/L)	8.0	10.0	8.0	9.0	7.0	8.0	8.33	-
Remarks	Dredging works, floating rubbish and a layer of oil were observed.							

Station	MP							
Time (hh:mm)	12:35-12:36							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	-	-	18.5	18.6	18.59	-
Salinity (ppt)	30.8	30.9	-	-	31.1	30.8	30.91	-
pH	8.0	8.0	-	-	8.0	8.0	8.02	
D.O. Saturation (%)	91.2	94.2	-	-	97.2	92.9	93.88	-
D.O. (mg/L)	7.1	7.3	-	-	7.6	7.2	7.31	7.40
Turbidity (NTU)	8.2	8.3	-	-	8.7	8.9	8.53	-
SS (mg/L)	7.0	6.0	-	-	9.0	7.0	7.25	-
Remarks	Dredging works, floating rubbish and a layer of oil were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.9	6.9	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.9	6.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.4	NA	Y	NA	Y	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/8/2008
Weather & Ambient Temperature	Fine, 20C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:01-8:03							
Water Depth (m)	15.7							
Monitoring Depth (m)	1.0		7.9		14.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.7	18.7	18.8	18.8	18.72	-
Salinity (ppt)	32.1	32.1	32.3	32.2	32.4	32.4	32.22	-
pH	8.0	8.0	8.0	8.0	8.0	7.9	7.96	
D.O. Saturation (%)	89.7	86.8	87.2	90.9	92.1	88.0	89.12	-
D.O. (mg/L)	6.9	6.7	6.7	7.0	7.1	6.8	6.86	6.93
Turbidity (NTU)	6.6	6.8	8.6	8.2	9.9	9.6	8.28	-
SS (mg/L)	6.0	7.0	11.0	10.0	10.0	9.0	8.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	9:14-9:15							
Water Depth (m)	7.2							
Monitoring Depth (m)	1.0		3.6		6.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.6	18.6	18.58	-
Salinity (ppt)	31.7	31.7	31.9	31.9	31.9	31.9	31.82	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.02	
D.O. Saturation (%)	95.2	92.3	92.7	97.6	101.6	93.3	95.45	-
D.O. (mg/L)	7.4	7.2	7.2	7.6	7.9	7.2	7.39	7.54
Turbidity (NTU)	11.9	11.1	14.2	14.5	15.4	15.8	13.82	-
SS (mg/L)	13.0	10.0	10.0	11.0	12.0	11.0	11.17	-
Remarks	Dredging works, floating rubbish and a layer of oil were observed.							

Station	MPB1							
Time (hh:mm)	8:50-8:51							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.5	18.5	18.50	-
Salinity (ppt)	30.5	30.5	30.8	30.7	31.2	31.2	30.82	-
pH	7.9	8.0	7.9	7.8	7.7	7.6	7.82	
D.O. Saturation (%)	92.6	89.2	89.4	94.0	89.7	97.5	92.07	-
D.O. (mg/L)	7.2	7.0	7.0	7.3	7.0	7.6	7.18	7.28
Turbidity (NTU)	18.7	18.7	24.7	23.3	29.7	29.3	24.07	-
SS (mg/L)	16.0	11.0	11.0	11.0	11.0	10.0	11.67	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	8:33-8:34						Northing	Easting
Water Depth (m)	8.8						22.21.443	113.53.515
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.5	18.5	18.5	18.5	18.52	-
Salinity (ppt)	30.2	30.2	30.7	30.5	30.9	31.4	30.67	-
pH	7.8	7.8	7.8	7.8	7.6	7.4	7.71	
D.O. Saturation (%)	89.4	88.9	89.1	90.2	88.9	91.4	89.65	-
D.O. (mg/L)	7.0	7.0	7.0	7.0	6.9	7.1	6.99	7.02
Turbidity (NTU)	17.9	17.5	21.5	21.7	16.9	16.7	18.70	-
SS (mg/L)	11.0	10.0	10.0	11.0	10.0	11.0	10.50	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	8:58-8:59							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.5	18.5	18.53	-
Salinity (ppt)	30.5	30.6	30.7	30.6	30.8	30.8	30.65	-
pH	8.0	8.0	7.9	7.9	7.8	7.8	7.88	
D.O. Saturation (%)	89.8	87.6	88.0	90.8	88.3	93.4	89.65	-
D.O. (mg/L)	7.0	6.8	6.9	7.1	6.9	7.3	7.00	7.09
Turbidity (NTU)	9.3	9.4	9.6	9.6	10.5	10.7	9.85	-
SS (mg/L)	11.0	8.0	10.0	9.0	10.0	9.0	9.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	8:24-8:25						Northing	Easting
Water Depth (m)	8.5						22.21.009	113.54.060
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.6	18.6	18.57	-
Salinity (ppt)	30.6	30.6	31.1	31.1	31.1	31.1	30.93	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.90	
D.O. Saturation (%)	86.6	89.3	90.6	87.5	92.9	88.1	89.17	-
D.O. (mg/L)	6.8	7.0	7.0	6.8	7.2	6.9	6.94	7.04
Turbidity (NTU)	7.3	7.7	9.4	9.6	9.7	9.4	8.85	-
SS (mg/L)	6.0	7.0	7.0	7.0	9.0	10.0	7.67	-
Remarks	Dredging works and floating rubbish were observed.							

Station	MP							
Time (hh:mm)	8:42-8:42							
Water Depth (m)	5.5							
Monitoring Depth (m)	1.0		2.8		4.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	-	-	18.5	18.5	18.52	-
Salinity (ppt)	31.1	31.1	-	-	31.1	31.2	31.12	-
pH	8.0	8.0	-	-	7.9	7.9	7.92	
D.O. Saturation (%)	93.7	91.0	-	-	92.6	100.7	94.50	-
D.O. (mg/L)	7.3	7.1	-	-	7.2	7.8	7.35	7.52
Turbidity (NTU)	12.2	12.1	-	-	13.2	13.0	12.63	-
SS (mg/L)	13.0	11.0	-	-	15.0	12.0	12.75	-
Remarks	Dredging works and brownish water color were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.2	7.2	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.1	7.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	14.4	NA	Y	NA	N	NA	Y	NA	N	NA	N	NA
SS (Depth-averaged)	24.0	37.0	13.0	13.0	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/9/2008
Weather & Ambient Temperature	Fine, 24C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:12-13:14							
Water Depth (m)	20.4							
Monitoring Depth (m)	1.0		10.2		19.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.3	19.5	19.4	19.6	19.6	19.49	-
Salinity (ppt)	32.5	33.6	34.8	33.6	33.6	34.9	33.84	-
pH	8.1	8.1	8.1	8.1	8.2	8.1	8.11	
D.O. Saturation (%)	94.5	91.2	92.2	97.5	98.8	95.1	94.88	-
D.O. (mg/L)	7.2	6.9	6.9	7.4	7.4	7.1	7.14	7.26
Turbidity (NTU)	5.3	5.9	6.3	6.4	6.9	7.3	6.35	-
SS (mg/L)	5.0	6.0	5.0	6.0	7.0	6.0	5.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:38-12:39						Northing	Easting
Water Depth (m)	8.2						22.21.399	113.53.600
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.3	19.3	19.2	19.6	19.3	19.33	-
Salinity (ppt)	32.8	32.7	32.8	32.9	32.8	33.0	32.84	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	83.2	86.4	88.0	83.5	92.6	83.8	86.25	-
D.O. (mg/L)	6.3	6.6	6.7	6.3	7.0	6.36	6.54	6.68
Turbidity (NTU)	8.5	7.7	9.1	9.7	9.4	9.5	8.98	-
SS (mg/L)	6	8	4	6	8	8	6.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:19-12:20						Northing	Easting
Water Depth (m)	8.5						22.20.899	113.54.048
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.1	19.1	19.2	19.2	19.16	-
Salinity (ppt)	32.3	32.5	32.5	32.8	32.6	32.8	32.59	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.86	
D.O. Saturation (%)	104.9	104.6	106.3	103.6	104.2	103.4	104.50	-
D.O. (mg/L)	8.0	8.0	8.1	7.9	7.9	7.87	7.96	7.90
Turbidity (NTU)	6.6	6.9	7.1	7.5	7.4	7.9	7.23	-
SS (mg/L)	8	10	8	9	7	8	8.33	-
Remarks	Dredging works and floating rubbish were observed.							

Station	MPB1							
Time (hh:mm)	12:32-12:33							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.6	19.4	19.3	19.6	19.3	19.46	-
Salinity (ppt)	32.5	32.4	32.6	32.6	32.5	32.7	32.57	-
pH	8.0	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	97.5	100.4	101.9	97.6	98.2	106.5	100.35	-
D.O. (mg/L)	7.4	7.6	7.7	7.4	7.4	8.1	7.61	7.76
Turbidity (NTU)	7.8	7.8	9.8	9.4	10.6	10.3	9.28	-
SS (mg/L)	8	6	9	6	8	5	7.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:13-12:14							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	19.3	19.2	19.2	19.2	19.3	19.24	-
Salinity (ppt)	32.0	32.2	32.4	32.5	32.5	32.7	32.35	-
pH	8.0	7.9	8.0	7.9	7.9	8.0	7.95	
D.O. Saturation (%)	105.5	106.6	105.6	108.5	109.5	108.6	107.38	-
D.O. (mg/L)	8.1	8.1	8.1	8.3	8.3	8.3	8.18	8.30
Turbidity (NTU)	6.7	6.5	7.0	7.4	6.9	7.2	6.95	-
SS (mg/L)	9	9	7	9	8	10	8.67	-
Remarks	Dredging works and floating rubbish were observed.							

Station	MP							
Time (hh:mm)	12:54-12:54							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	-	-	19.8	19.4	19.57	-
Salinity (ppt)	32.7	32.8	-	-	32.7	33.1	32.83	-
pH	8.1	8.1	-	-	8.1	8.1	8.12	
D.O. Saturation (%)	96.4	101.9	-	-	113.7	97.8	102.45	-
D.O. (mg/L)	7.3	7.7	-	-	8.6	7.4	7.74	7.98
Turbidity (NTU)	7.6	7.8	-	-	8.3	8.9	8.15	-
SS (mg/L)	7	6	-	-	9	7	7.25	-
Remarks	Dredging works and floating rubbish were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.3	7.3	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.1	7.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.3	NA	Y	Y	N	N	Y	Y	N	N	N	N
SS (Depth-averaged)	24.0	37.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/9/2008
Weather & Ambient Temperature	Cloudy, 22C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:44-8:45							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.2	19.2	19.2	19.2	19.18	-
Salinity (ppt)	32.8	32.9	33.2	33.0	33.4	33.1	33.06	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	102.8	103.1	103.6	102.7	103.2	102.5	102.98	-
D.O. (mg/L)	7.8	7.9	7.9	7.8	7.8	7.8	7.82	7.80
Turbidity (NTU)	6.7	6.5	11.1	11.1	13.3	13.0	10.28	-
SS (mg/L)	6	7	11	10	10	9	8.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	10:09-10:10							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	19.1	19.1	19.1	19.1	19.11	-
Salinity (ppt)	33.9	33.9	33.9	34.0	33.8	34.0	33.92	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	103.0	99.7	105.3	100.4	110.0	101.0	103.23	-
D.O. (mg/L)	7.8	7.6	8.0	7.6	8.3	7.6	7.81	7.99
Turbidity (NTU)	13.9	13.9	18.9	18.5	19.5	18.4	17.18	-
SS (mg/L)	13	10	10	11	12	11	11.17	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	9:18-9:20						Northing	Easting
Water Depth (m)	9.8						22.21.550	113.53.737
Monitoring Depth (m)	1.0		4.9		8.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.1	19.0	19.0	19.0	19.0	19.03	-
Salinity (ppt)	31.8	31.6	31.9	32.1	32.2	32.2	31.96	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	96.3	96.5	98.9	96.2	101.0	96.1	97.50	-
D.O. (mg/L)	7.4	7.4	7.6	7.4	7.7	7.4	7.48	7.55
Turbidity (NTU)	10.8	10.9	15.4	15.0	13.5	13.6	13.20	-
SS (mg/L)	11	10	10	11	10	11	10.50	-
Remarks	Dredging works and floating rubbish were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	9:09-9:10						Northing	Easting
Water Depth (m)	8.6						22.21.011	113.54.056
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	19.1	19.1	19.1	19.1	19.06	-
Salinity (ppt)	31.5	31.4	31.6	31.4	31.2	31.6	31.46	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	96.8	100.8	97.7	103.1	113.6	98.3	101.72	-
D.O. (mg/L)	7.4	7.8	7.5	7.9	8.7	7.6	7.82	8.15
Turbidity (NTU)	8.2	8.5	8.6	9.0	8.4	8.8	8.58	-
SS (mg/L)	6	7	7	7	9	10	7.67	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	9:38-9:39							
Water Depth (m)	7.8							
Monitoring Depth (m)	1.0		3.9		6.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	19.0	19.0	19.0	19.0	19.01	-
Salinity (ppt)	32.3	32.2	32.5	32.5	32.9	33.0	32.57	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	93.5	95.7	93.9	96.5	98.1	93.8	95.25	-
D.O. (mg/L)	7.2	7.3	7.2	7.4	7.5	7.2	7.28	7.32
Turbidity (NTU)	10.8	10.4	12.8	13.0	13.9	13.1	12.33	-
SS (mg/L)	16	11	11	11	11	10	11.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	9:50-9:51							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	19.0	19.1	19.1	19.0	19.06	-
Salinity (ppt)	32.8	32.8	33.0	32.9	32.9	33.0	32.90	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	93.8	98.9	94.7	101.9	107.4	95.6	98.72	-
D.O. (mg/L)	7.2	7.5	7.2	7.8	8.2	7.3	7.52	7.73
Turbidity (NTU)	9.1	9.7	10.9	10.3	10.6	10.4	10.17	-
SS (mg/L)	11	8	10	9	10	9	9.50	-
Remarks	Dredging works and floating rubbish were observed.							

Station	MP							
Time (hh:mm)	9:27-9:28							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	-	-	19.1	19.0	19.04	-
Salinity (ppt)	32.3	32.4	-	-	32.9	32.9	32.60	-
pH	8.1	8.1	-	-	8.1	8.1	8.10	
D.O. Saturation (%)	107.0	101.1	-	-	114.3	103.4	106.45	-
D.O. (mg/L)	8.2	7.7	-	-	8.7	7.9	8.13	8.30
Turbidity (NTU)	13.1	13.1	-	-	17.0	17.1	15.08	-
SS (mg/L)	13	11	-	-	15	12	12.75	-
Remarks	Dredging works and floating rubbish were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.9	7.9	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.8	7.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	17.9	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	13.0	13.0	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/10/2008
Weather & Ambient Temperature	Fine, 22C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:19-13:21							
Water Depth (m)	20.4							
Monitoring Depth (m)	1.0		10.2		19.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.6	19.6	19.6	19.6	19.6	19.59	-
Salinity (ppt)	32.0	32.3	33.6	33.7	33.5	33.6	33.12	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.11	
D.O. Saturation (%)	84.6	81.3	87.6	82.3	88.9	85.2	84.98	-
D.O. (mg/L)	6.7	6.4	6.9	6.4	7.0	6.6	6.66	6.78
Turbidity (NTU)	18.8	19.2	19.5	19.2	20.4	19.3	19.40	-
SS (mg/L)	8	10	8	7	9	8	8.33	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:54-12:55						Northing	Easting
Water Depth (m)	8.5						22.21.433	113.53.515
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	19.5	19.5	19.6	19.5	19.53	-
Salinity (ppt)	32.5	32.5	32.6	32.6	32.5	32.7	32.57	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	73.3	76.5	78.1	73.6	73.9	82.7	76.35	-
D.O. (mg/L)	5.9	6.1	6.2	5.9	5.9	6.51	6.06	6.20
Turbidity (NTU)	11.3	11.4	12.2	12.5	12.8	12.1	12.05	-
SS (mg/L)	14	14	12	14	16	14	14.00	-
Remarks	Dredging works and brownish water color were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:34-12:35						Northing	Easting
Water Depth (m)	8.7						22.20.887	113.53.970
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.5	19.5	19.5	19.49	-
Salinity (ppt)	31.7	31.8	31.9	32.0	32.5	33.0	32.16	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	71.5	72.8	71.5	73.3	70.3	71.0	71.73	-
D.O. (mg/L)	5.4	5.5	5.4	5.6	5.3	5.36	5.45	5.34
Turbidity (NTU)	13.4	13.7	14.7	14.5	16.4	16.4	14.85	-
SS (mg/L)	11	14	14	18	15	16	14.67	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB1							
Time (hh:mm)	12:48-12:49							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	19.5	19.5	19.5	19.6	19.52	-
Salinity (ppt)	32.3	32.3	32.4	32.5	32.6	32.4	32.42	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	87.6	90.5	87.7	92.0	96.6	88.3	90.45	-
D.O. (mg/L)	6.9	7.1	6.9	7.3	7.6	7.0	7.13	7.28
Turbidity (NTU)	13.2	13.4	15.1	15.0	15.9	15.7	14.72	-
SS (mg/L)	14	15	15	14	19	15	15.33	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB2							
Time (hh:mm)	12:30-12:31							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	19.6	19.5	19.5	19.7	19.57	-
Salinity (ppt)	31.3	31.5	31.6	31.8	32.2	31.7	31.67	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.11	
D.O. Saturation (%)	80.3	71.9	85.7	73.4	75.0	107.0	82.22	-
D.O. (mg/L)	6.1	5.5	6.5	5.6	5.7	8.1	6.25	6.91
Turbidity (NTU)	12.9	13.2	13.5	13.4	13.3	13.8	13.35	-
SS (mg/L)	17	15	11	14	14	16	14.50	-
Remarks	Dredging works and brownish water color were observed.							

Station	MP							
Time (hh:mm)	13:04-13:05							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.5	-	-	19.9	19.6	19.65	-
Salinity (ppt)	32.5	32.6	-	-	32.5	32.6	32.52	-
pH	8.1	8.1	-	-	8.1	8.1	8.07	
D.O. Saturation (%)	92.0	86.5	-	-	103.8	87.9	92.55	-
D.O. (mg/L)	7.2	6.8	-	-	8.1	6.9	7.26	7.50
Turbidity (NTU)	8.7	9.0	-	-	8.4	9.0	8.78	-
SS (mg/L)	9	8	-	-	13	10	10.00	-
Remarks	Dredging works and brownish water color were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.8	6.8	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.7	6.7	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	25.2	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	10.8	10.8	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	1/10/2008
Weather & Ambient Temperature	Cloudy, 20C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:49-8:50							
Water Depth (m)	15.8							
Monitoring Depth (m)	1.0		7.9		14.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.5	19.5	19.5	19.50	-
Salinity (ppt)	32.4	32.2	32.7	32.4	32.7	33.0	32.54	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	105.5	104.7	106.4	105.0	105.2	105.0	105.30	-
D.O. (mg/L)	8.0	8.0	8.1	8.0	8.0	7.9	7.98	7.95
Turbidity (NTU)	6.0	6.0	11.3	10.9	12.5	12.1	9.80	-
SS (mg/L)	9.0	11.0	7.0	6.0	11.0	9.0	8.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	10:01-10:02							
Water Depth (m)	6.7							
Monitoring Depth (m)	1.0		3.4		5.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.5	19.5	19.5	19.53	-
Salinity (ppt)	32.8	32.8	32.9	33.0	33.1	32.9	32.93	-
pH	8.2	8.1	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	96.4	95.3	95.5	96.8	95.2	97.8	96.17	-
D.O. (mg/L)	7.3	7.2	7.2	7.3	7.2	7.4	7.26	7.29
Turbidity (NTU)	14.3	14.5	15.5	15.8	19.2	19.4	16.45	-
SS (mg/L)	17.0	17.0	17.0	17.0	20.0	18.0	17.67	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	9:29-9:30						Northing	Easting
Water Depth (m)	8.5						22.21.026	113.53.974
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.4	19.5	19.4	19.45	-
Salinity (ppt)	31.6	31.4	31.7	31.9	32.3	32.1	31.81	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	91.2	94.0	97.8	91.4	100.7	91.6	94.45	-
D.O. (mg/L)	7.0	7.2	7.5	7.0	7.6	7.0	7.19	7.31
Turbidity (NTU)	13.8	13.8	14.0	14.6	16.0	16.1	14.72	-
SS (mg/L)	13.0	12.0	14.0	11.0	18.0	17.0	14.17	-
Remarks	Dredging works and brownish water color were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	9:09-9:10						Northing	Easting
Water Depth (m)	7.7						22.21.499	113.53.389
Monitoring Depth (m)	1.0		3.9		6.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.6	19.7	19.5	19.54	-
Salinity (ppt)	31.1	31.3	31.2	31.0	31.0	31.2	31.13	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	104.1	100.7	101.5	107.7	116.0	101.8	105.30	-
D.O. (mg/L)	8.0	7.7	7.8	8.2	8.9	7.8	8.04	8.31
Turbidity (NTU)	10.3	9.7	10.0	11.3	10.9	10.9	10.52	-
SS (mg/L)	12.0	13.0	13.0	15.0	14.0	13.0	13.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	9:24-9:25							
Water Depth (m)	8.0							
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.5	19.5	19.5	19.47	-
Salinity (ppt)	31.5	31.5	31.4	31.5	31.5	31.5	31.48	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	94.1	93.3	95.9	93.7	96.2	93.9	94.52	-
D.O. (mg/L)	7.2	7.1	7.3	7.2	7.3	7.2	7.21	7.25
Turbidity (NTU)	20.5	20.8	23.1	23.3	21.3	21.2	21.70	-
SS (mg/L)	22.0	19.0	23.0	22.0	33.0	31.0	25.00	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB2							
Time (hh:mm)	9:16-9:17							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	19.5	19.5	19.5	19.6	19.50	-
Salinity (ppt)	31.7	31.6	31.6	31.6	31.6	31.5	31.61	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	99.4	102.4	106.3	100.1	100.5	111.7	103.40	-
D.O. (mg/L)	7.6	7.8	8.1	7.6	7.7	8.5	7.87	8.08
Turbidity (NTU)	10.4	10.4	10.9	10.6	10.5	10.4	10.53	-
SS (mg/L)	15.0	13.0	14.0	13.0	17.0	14.0	14.33	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	9:36-9:36							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.5	19.5	-	-	19.5	19.5	19.47	-
Salinity (ppt)	31.8	31.7	-	-	32.2	32.9	32.14	-
pH	8.1	8.1	-	-	8.1	8.1	8.10	
D.O. Saturation (%)	93.5	90.8	-	-	97.7	90.8	93.20	-
D.O. (mg/L)	7.1	6.9	-	-	7.4	6.9	7.08	7.14
Turbidity (NTU)	18.5	18.9	-	-	24.2	23.4	21.25	-
SS (mg/L)	18.0	13.0	-	-	15.0	13.0	14.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.6	7.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	17.1	NA	N	N	N	N	Y	Y	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	17.2	17.2	N	N	N	N	Y	N	N	N	N	N

Sampling Date	11/01/2008
Weather & Ambient Temperature	Fine, 22C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:56-13:58							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	19.9	20.0	19.9	19.8	19.8	19.87	-
Salinity (ppt)	34.6	34.5	36.2	35.9	36.5	36.7	35.71	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	88.6	88.6	88.7	89.1	88.0	88.4	88.57	-
D.O. (mg/L)	6.6	6.6	6.5	6.6	6.5	6.5	6.54	6.49
Turbidity (NTU)	6.6	6.0	7.7	7.7	8.6	8.5	7.52	-
SS (mg/L)	6	8	5	7	6	7	6.50	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:33-13:34						Northing	Easting
Water Depth (m)	8.4						22.21.373	113.53.527
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.7	19.7	19.8	19.7	20.0	19.78	-
Salinity (ppt)	35.0	35.0	35.1	35.0	35.4	35.2	35.09	-
pH	8.0	8.0	8.0	8.0	8.0	8.1	8.04	
D.O. Saturation (%)	84.9	84.8	84.8	84.9	84.3	82.4	84.35	-
D.O. (mg/L)	6.3	6.3	6.3	6.3	6.3	6.09	6.26	6.18
Turbidity (NTU)	9.1	9.5	10.0	9.9	10.2	10.3	9.83	-
SS (mg/L)	8	8	7	7	9	6	7.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:19-13:20						Northing	Easting
Water Depth (m)	9.0						22.21.043	113.53.611
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.9	19.7	19.7	19.7	19.8	19.76	-
Salinity (ppt)	34.9	34.8	35.0	35.0	36.5	36.5	35.45	-
pH	8.0	8.0	8.0	8.1	8.1	8.1	8.06	
D.O. Saturation (%)	86.5	86.7	87.7	87.8	85.8	84.0	86.42	-
D.O. (mg/L)	6.4	6.4	6.5	6.5	6.3	6.18	6.40	6.25
Turbidity (NTU)	11.8	12.5	14.3	14.6	15.7	16.3	14.20	-
SS (mg/L)	6	10	7	9	10	7	8.17	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:25-13:26							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.8	19.7	19.8	20.1	19.8	19.83	-
Salinity (ppt)	34.8	34.9	35.0	35.0	34.8	35.0	34.91	-
pH	8.0	8.0	8.0	8.1	8.1	8.0	8.04	
D.O. Saturation (%)	84.3	84.1	84.1	83.5	80.7	83.7	83.40	-
D.O. (mg/L)	6.3	6.3	6.3	6.2	6.0	6.2	6.19	6.09
Turbidity (NTU)	9.1	9.3	9.9	10.5	9.3	9.8	9.65	-
SS (mg/L)	7	8	8	9	9	12	8.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:14-13:15							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	19.8	19.9	19.9	19.9	20.0	19.91	-
Salinity (ppt)	34.7	34.7	34.9	34.9	35.2	35.0	34.89	-
pH	8.0	8.0	8.1	8.0	8.0	8.1	8.04	
D.O. Saturation (%)	85.9	85.7	86.6	86.2	85.5	85.7	85.93	-
D.O. (mg/L)	6.4	6.4	6.4	6.4	6.3	6.3	6.37	6.34
Turbidity (NTU)	8.6	9.8	8.9	9.1	9.0	8.5	8.98	-
SS (mg/L)	9	9	14	12	14	12	11.67	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:40-13:40							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	19.8	-	-	20.3	19.9	19.97	-
Salinity (ppt)	34.8	34.8	-	-	34.2	34.6	34.59	-
pH	8.1	8.1	-	-	8.1	8.1	8.08	
D.O. Saturation (%)	84.6	84.2	-	-	81.2	84.6	83.65	-
D.O. (mg/L)	6.3	6.3	-	-	6.0	6.3	6.21	6.15
Turbidity (NTU)	7.9	8.2	-	-	8.3	8.0	8.10	-
SS (mg/L)	8	9	-	-	7	8	8.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2			MPB1	MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.5	6.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.5	6.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	9.8	NA	Y	Y	Y	Y	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	8.5	8.5	N	N	N	N	N	N	N	N	N	N

Sampling Date	11/01/2008
Weather & Ambient Temperature	Cloudy, 19C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	9:39-9:41							
Water Depth (m)	15.7							
Monitoring Depth (m)	1.0		7.9		14.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.7	19.6	19.6	19.6	19.6	19.63	-
Salinity (ppt)	35.4	35.4	35.9	35.7	36.1	36.1	35.76	-
pH	8.1	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	90.0	89.9	90.1	89.7	88.8	90.5	89.83	-
D.O. (mg/L)	6.7	6.7	6.7	6.7	6.6	6.7	6.66	6.64
Turbidity (NTU)	11.3	11.5	14.8	14.4	18.7	18.4	14.85	-
SS (mg/L)	6	8	6	8	8	6	7.00	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	10:22-10:23							
Water Depth (m)	6.6							
Monitoring Depth (m)	1.0		3.3		5.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.8	19.7	19.7	19.7	19.7	19.72	-
Salinity (ppt)	34.9	34.8	35.3	35.0	36.0	36.1	35.35	-
pH	8.1	8.1	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	91.3	88.7	90.6	87.9	83.1	89.2	88.47	-
D.O. (mg/L)	6.8	6.6	6.7	6.5	6.1	6.6	6.56	6.37
Turbidity (NTU)	17.0	17.5	30.8	30.4	34.0	34.5	27.37	-
SS (mg/L)	14	14	14	14	17	16	14.83	-
Remarks	Dredging works and brownish water color were observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:49-10:50						Northing	Easting
Water Depth (m)	8.4						22.21.388	113.53.479
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.7	19.6	19.6	19.6	19.6	19.62	-
Salinity (ppt)	34.2	34.1	34.6	34.6	35.0	35.0	34.58	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	85.9	85.9	85.6	86.7	85.1	86.4	85.93	-
D.O. (mg/L)	6.4	6.4	6.4	6.5	6.3	6.4	6.42	6.39
Turbidity (NTU)	16.8	16.8	21.9	22.0	23.5	23.3	20.72	-
SS (mg/L)	18	19	21	20	22	22	20.33	-
Remarks	Dredging works and brownish water color were observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:43-10:44						Northing	Easting
Water Depth (m)	9.7						22.21.026	113.53.621
Monitoring Depth (m)	1.0		4.9		8.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.8	19.6	19.6	19.6	19.7	19.68	-
Salinity (ppt)	34.2	34.1	34.2	34.2	34.2	34.3	34.21	-
pH	8.0	8.1	8.1	8.0	8.1	8.1	8.05	
D.O. Saturation (%)	83.8	83.0	82.8	84.0	81.7	84.2	83.25	-
D.O. (mg/L)	6.3	6.2	6.2	6.3	6.1	6.3	6.22	6.21
Turbidity (NTU)	9.8	9.6	13.0	13.1	15.5	15.0	12.67	-
SS (mg/L)	9	10	10	11	9	11	10.00	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB1							
Time (hh:mm)	10:54-10:55							
Water Depth (m)	7.9							
Monitoring Depth (m)	1.0		4.0		6.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.7	19.7	19.7	19.7	19.7	19.68	-
Salinity (ppt)	34.2	34.2	34.1	34.1	34.1	33.9	34.09	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.06	
D.O. Saturation (%)	81.6	83.1	81.2	83.0	79.8	82.7	81.90	-
D.O. (mg/L)	6.1	6.2	6.1	6.2	6.0	6.2	6.13	6.08
Turbidity (NTU)	10.1	10.8	11.4	11.8	12.8	12.7	11.60	-
SS (mg/L)	8	10	8	10	11	8	9.17	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB2							
Time (hh:mm)	10:38-10:39							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.7	19.7	19.6	19.7	19.7	19.69	-
Salinity (ppt)	34.2	34.2	34.4	34.4	34.4	34.5	34.35	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	84.4	83.3	82.5	84.3	84.3	81.7	83.42	-
D.O. (mg/L)	6.3	6.2	6.2	6.3	6.3	6.1	6.23	6.20
Turbidity (NTU)	10.8	10.5	13.3	12.9	14.1	14.0	12.60	-
SS (mg/L)	13	8	11	9	10	8	9.83	-
Remarks	Dredging works and brownish water color were observed.							

Station	MP							
Time (hh:mm)	11:02-11:03							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		3.0		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.8	-	-	19.7	19.7	19.73	-
Salinity (ppt)	35.0	35.0	-	-	35.1	34.9	34.99	-
pH	8.1	8.1	-	-	8.1	8.1	8.10	
D.O. Saturation (%)	83.2	85.6	-	-	80.7	84.8	83.58	-
D.O. (mg/L)	6.2	6.4	-	-	6.0	6.3	6.21	6.15
Turbidity (NTU)	26.7	26.4	-	-	30.1	29.3	28.13	-
SS (mg/L)	24	23	-	-	33	33	28.25	-
Remarks	Dredging works and brownish water color were observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.5	6.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.6	6.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	27.4	NA	N	N	N	N	N	N	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	14.2	14.2	N	N	N	N	N	N	N	N	Y	N

Sampling Date	01/12/2008
Weather & Ambient Temperature	Sunny, 23C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	14:33-14:35							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.9	20.9	20.2	20.2	20.0	20.0	20.36	-
Salinity (ppt)	35.2	35.4	38.8	38.8	39.3	39.4	37.82	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	83.9	84.3	86.5	87.0	88.1	87.7	86.25	-
D.O. (mg/L)	6.1	6.1	6.2	6.3	6.4	6.3	6.23	6.34
Turbidity (NTU)	4.7	5.1	9.5	9.1	11.1	11.9	8.57	-
SS (mg/L)	6	8	8	6	14	12	9.00	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	14:08-14:10						Northing	Easting
Water Depth (m)	8.0						22.21.454	113.53.385
Monitoring Depth (m)	1.0		4.0		7.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	21.1	21.1	20.1	20.0	20.1	20.1	20.40	-
Salinity (ppt)	33.6	33.7	34.3	34.3	34.6	34.6	34.19	-
pH	8.0	8.0	8.0	8.0	8.0	8.1	8.02	
D.O. Saturation (%)	83.3	82.8	83.7	83.7	84.6	85.9	84.00	-
D.O. (mg/L)	6.1	6.1	6.2	6.2	6.3	6.36	6.21	6.33
Turbidity (NTU)	7.0	7.1	8.5	8.6	10.4	9.8	8.57	-
SS (mg/L)	8	9	9	9	10	14	9.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:00-14:02							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	19.9	19.9	19.9	20.0	20.02	-
Salinity (ppt)	33.9	33.9	34.6	34.5	35.2	35.1	34.53	-
pH	8.0	8.0	8.0	8.0	8.1	8.1	8.02	
D.O. Saturation (%)	82.2	81.4	83.6	84.1	85.1	86.1	83.75	-
D.O. (mg/L)	6.1	6.0	6.2	6.3	6.3	6.4	6.21	6.34
Turbidity (NTU)	6.4	6.0	9.6	9.5	14.9	14.5	10.15	-
SS (mg/L)	7	8	10	9	14	16	10.67	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	13:51-13:53						Northing	Easting
Water Depth (m)	98.6						22.21.007	113.53.608
Monitoring Depth (m)	1.0		49.3		97.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.5	20.5	20.0	19.9	20.0	19.9	20.15	-
Salinity (ppt)	33.7	33.7	34.2	34.2	35.1	35.0	34.32	-
pH	8.0	8.0	8.0	8.0	8.1	8.1	8.01	
D.O. Saturation (%)	83.0	82.9	84.3	84.2	87.2	85.7	84.55	-
D.O. (mg/L)	6.1	6.1	6.3	6.3	6.4	6.35	6.26	6.40
Turbidity (NTU)	5.5	5.3	17.3	16.0	24.5	22.0	15.10	-
SS (mg/L)	7	11	8	8	18	19	11.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:44-13:45							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	20.1	20.1	20.0	20.1	20.11	-
Salinity (ppt)	34.0	33.9	34.4	34.3	35.3	35.0	34.48	-
pH	8.0	8.0	8.0	8.0	8.1	8.1	8.02	
D.O. Saturation (%)	83.2	83.3	84.9	85.0	85.5	86.5	84.73	-
D.O. (mg/L)	6.2	6.2	6.3	6.3	6.3	6.4	6.27	6.35
Turbidity (NTU)	9.2	9.7	10.3	10.2	11.7	11.7	10.47	-
SS (mg/L)	7	9	14	16	12	13	11.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	14:17-14:19							
Water Depth (m)	5.5							
Monitoring Depth (m)	1.0		2.8		4.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	-	-	20.0	20.1	20.11	-
Salinity (ppt)	34.4	34.3	-	-	34.8	34.8	34.56	-
pH	8.0	8.0	-	-	8.1	8.1	8.05	
D.O. Saturation (%)	83.4	85.0	-	-	89.1	87.7	86.30	-
D.O. (mg/L)	6.2	6.3	-	-	6.6	6.6	6.41	6.59
Turbidity (NTU)	6.4	6.6	-	-	11.4	11.3	8.93	-
SS (mg/L)	9	9	-	-	13	14	11.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.3	6.3	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.2	6.2	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	11.1	NA	N	N	Y	Y	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	11.7	11.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/12/2008
Weather & Ambient Temperature	Sunny, 22C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	10:04-10:05							
Water Depth (m)	15.2							
Monitoring Depth (m)	1.0		7.6		14.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.0	20.1	19.9	19.9	19.9	19.9	19.92	-
Salinity (ppt)	35.3	35.2	35.5	35.5	35.8	35.7	35.49	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.06	
D.O. Saturation (%)	88.8	88.8	89.4	88.7	90.3	89.5	89.25	-
D.O. (mg/L)	6.6	6.6	6.6	6.6	6.7	6.6	6.59	6.64
Turbidity (NTU)	8.6	8.2	10.4	10.6	11.3	11.8	10.15	-
SS (mg/L)	16	16	16	11	14	11	14.00	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	10:39-10:41							
Water Depth (m)	6.9							
Monitoring Depth (m)	1.0		3.5		5.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.3	20.2	20.0	20.0	20.1	20.0	20.10	-
Salinity (ppt)	34.6	34.6	35.1	35.1	34.9	35.9	35.02	-
pH	8.0	8.0	8.0	8.1	8.1	8.0	8.03	
D.O. Saturation (%)	88.5	87.7	88.7	88.0	87.8	88.9	88.27	-
D.O. (mg/L)	6.5	6.5	6.6	6.5	6.5	6.6	6.52	6.53
Turbidity (NTU)	9.1	8.5	14.6	15.2	19.4	19.6	14.40	-
SS (mg/L)	15	10	25	25	26	28	21.50	-
Remarks	Dredging works and floating rubbish were observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:21-11:23						Northing	Easting
Water Depth (m)	7.0						22.21.528	113.53.267
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.3	20.3	20.2	20.2	20.0	20.1	20.19	-
Salinity (ppt)	33.0	32.8	33.8	33.8	34.9	34.8	33.86	-
pH	8.0	8.0	8.0	8.0	8.1	8.1	8.02	
D.O. Saturation (%)	82.4	82.4	83.2	83.4	84.4	86.4	83.70	-
D.O. (mg/L)	6.1	6.1	6.2	6.2	6.3	6.4	6.20	6.32
Turbidity (NTU)	5.4	5.0	13.3	14.3	26.7	25.2	14.98	-
SS (mg/L)	9	9	13	13	15	14	12.17	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:05-11:07						Northing	Easting
Water Depth (m)	8.4						22.21.022	113.53.702
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.2	20.3	20.0	20.0	20.1	20.0	20.09	-
Salinity (ppt)	33.4	33.0	34.0	34.0	34.1	34.1	33.74	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	80.2	80.1	80.9	80.9	83.6	82.1	81.30	-
D.O. (mg/L)	6.0	5.9	6.0	6.0	6.2	6.1	6.05	6.17
Turbidity (NTU)	6.6	6.5	21.2	20.6	29.7	29.6	19.03	-
SS (mg/L)	10	11	12	14	32	33	18.67	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:12-11:14							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	20.1	19.9	20.0	20.0	20.0	20.00	-
Salinity (ppt)	33.2	33.3	33.7	33.7	34.0	34.1	33.65	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.00	
D.O. Saturation (%)	81.0	81.0	81.4	82.3	83.8	83.1	82.10	-
D.O. (mg/L)	6.0	6.0	6.1	6.1	6.2	6.2	6.12	6.21
Turbidity (NTU)	11.0	11.6	13.0	12.5	15.8	16.3	13.37	-
SS (mg/L)	14	13	19	16	14	12	14.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	10:56-10:58							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.1	20.0	20.0	20.0	20.0	20.0	20.00	-
Salinity (ppt)	33.5	33.5	33.8	33.9	34.1	34.0	33.81	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	81.3	81.6	81.6	82.2	83.7	83.1	82.25	-
D.O. (mg/L)	6.1	6.1	6.1	6.1	6.2	6.2	6.13	6.22
Turbidity (NTU)	6.2	6.6	16.1	16.7	28.5	26.6	16.78	-
SS (mg/L)	9	8	13	11	16	16	12.17	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:27-11:28							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.3	20.2	-	-	20.0	20.0	20.10	-
Salinity (ppt)	34.5	34.5	-	-	34.8	34.8	34.63	-
pH	8.1	8.1	-	-	8.1	8.1	8.08	
D.O. Saturation (%)	85.4	85.1	-	-	87.4	87.5	86.35	-
D.O. (mg/L)	6.3	6.3	-	-	6.5	6.5	6.39	6.49
Turbidity (NTU)	9.3	10.4	-	-	24.7	23.8	17.05	-
SS (mg/L)	18	11	-	-	23	22	18.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.6	6.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.6	6.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	16.0	NA	N	N	Y	Y	N	N	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	23.1	23.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/13/08
Weather & Ambient Temperature	Cloudy, 21C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	15:19-15:22							
Water Depth (m)	20.6							
Monitoring Depth (m)	1.0		10.3		19.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	20.1	20.1	20.0	20.0	20.07	-
Salinity (ppt)	33.8	33.9	34.6	34.5	35.0	35.0	34.48	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	88.5	87.6	87.2	88.4	87.9	89.2	88.13	-
D.O. (mg/L)	6.5	6.4	6.3	6.4	6.4	6.5	6.40	6.44
Turbidity (NTU)	6.0	6.5	11.0	10.5	16.2	15.8	11.00	-
SS (mg/L)	10	7	14	12	12	13	11.33	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	14:43-14:45						Northing	Easting
Water Depth (m)	9.6						22.21.391	113.53.601
Monitoring Depth (m)	1.0		4.8		8.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	20.3	20.3	20.3	20.3	20.28	-
Salinity (ppt)	34.9	34.7	34.9	34.9	35.1	35.1	34.93	-
pH	8.0	8.0	8.0	8.0	8.1	8.1	8.04	
D.O. Saturation (%)	84.2	84.3	84.8	84.4	85.1	85.3	84.68	-
D.O. (mg/L)	6.2	6.2	6.2	6.2	6.3	6.28	6.23	6.28
Turbidity (NTU)	9.2	8.9	17.2	16.8	19.5	20.0	15.27	-
SS (mg/L)	6	8	19	14	16	13	12.67	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	14:36-14:37						Northing	Easting
Water Depth (m)	9.4						22.21.062	113.53.598
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	20.2	20.2	20.2	20.2	20.24	-
Salinity (ppt)	33.5	33.3	33.7	33.7	33.9	33.9	33.65	-
pH	8.0	8.0	8.1	8.0	8.1	8.1	8.05	
D.O. Saturation (%)	84.8	85.1	85.7	85.2	86.7	87.0	85.75	-
D.O. (mg/L)	6.3	6.3	6.3	6.3	6.4	6.48	6.36	6.46
Turbidity (NTU)	9.1	9.5	27.4	28.7	41.1	43.2	26.50	-
SS (mg/L)	15	12	19	16	30	31	20.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:52-14:54							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	20.2	20.3	20.2	20.2	20.27	-
Salinity (ppt)	34.3	34.4	35.0	34.9	35.1	35.1	34.80	-
pH	8.0	8.0	8.0	8.0	8.1	8.1	8.04	
D.O. Saturation (%)	82.9	83.9	83.3	83.0	84.2	84.8	83.68	-
D.O. (mg/L)	6.1	6.2	6.1	6.1	6.2	6.2	6.17	6.23
Turbidity (NTU)	8.8	8.4	37.8	39.2	46.8	48.7	31.62	-
SS (mg/L)	12	10	10	10	17	17	12.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	14:27-14:28							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	20.2	20.2	20.2	20.2	20.19	-
Salinity (ppt)	32.2	32.0	32.4	32.5	33.1	33.1	32.55	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.06	
D.O. Saturation (%)	87.5	87.2	89.2	89.6	91.0	90.3	89.13	-
D.O. (mg/L)	6.6	6.5	6.7	6.7	6.8	6.7	6.67	6.76
Turbidity (NTU)	15.2	14.9	19.8	21.2	40.4	42.6	25.68	-
SS (mg/L)	15	15	13	17	13	13	14.33	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)								
Water Depth (m)	5.5							
Monitoring Depth (m)	1.0		2.8		4.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	-	-	20.2	20.2	20.24	-
Salinity (ppt)	33.4	33.3	-	-	33.2	33.2	33.28	-
pH	8.0	8.0	-	-	8.0	8.0	8.02	
D.O. Saturation (%)	83.8	83.8	-	-	85.5	85.3	84.60	-
D.O. (mg/L)	6.3	6.2	-	-	6.4	6.4	6.31	6.37
Turbidity (NTU)	15.0	15.5	-	-	22.1	23.3	18.98	-
SS (mg/L)	16	13	-	-	21	18	17.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.4	6.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.4	6.4	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	14.3	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	14.7	14.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/13/08
Weather & Ambient Temperature	Cloudy, 20C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	10:26-10:28							
Water Depth (m)	16.6							
Monitoring Depth (m)	1.0		8.3		15.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	20.1	20.1	20.0	20.0	20.09	-
Salinity (ppt)	37.2	37.2	38.0	38.0	37.5	37.5	37.55	-
pH	8.1	8.1	8.1	8.1	8.1	8.2	8.14	
D.O. Saturation (%)	87.5	87.9	89.0	87.9	90.5	89.5	88.72	-
D.O. (mg/L)	6.3	6.4	6.5	6.4	6.6	6.5	6.44	6.54
Turbidity (NTU)	6.3	5.9	8.3	8.2	11.2	11.5	8.57	-
SS (mg/L)	12	9	10	8	13	10	10.33	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:19-11:21							
Water Depth (m)	7.4							
Monitoring Depth (m)	1.0		3.7		6.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	20.1	20.1	20.1	20.1	20.13	-
Salinity (ppt)	31.5	31.6	31.7	31.7	31.9	31.9	31.70	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	89.8	89.8	90.6	90.7	91.4	91.3	90.60	-
D.O. (mg/L)	6.8	6.8	6.8	6.8	6.9	6.9	6.82	6.88
Turbidity (NTU)	10.6	10.9	17.3	17.4	18.5	18.7	15.57	-
SS (mg/L)	20	16	16	19	16	17	17.33	-
Remarks	Dredging works and brownish water color were observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	11:51-11:54						Northing	Easting
Water Depth (m)	9.9						22.21.337	113.53.960
Monitoring Depth (m)	1.0		5.0		8.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	20.3	20.3	20.3	20.3	20.26	-
Salinity (ppt)	33.0	33.0	33.2	33.2	34.0	33.9	33.36	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.06	
D.O. Saturation (%)	85.1	85.1	86.1	85.3	86.7	85.9	85.70	-
D.O. (mg/L)	6.3	6.3	6.4	6.4	6.4	6.4	6.36	6.41
Turbidity (NTU)	7.3	7.6	16.7	16.4	18.6	18.0	14.10	-
SS (mg/L)	10	11	12	10	18	16	12.83	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	11:41-11:43						Northing	Easting
Water Depth (m)	9.7						22.21.992	113.53.802
Monitoring Depth (m)	1.0		4.9		8.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	20.2	20.2	20.3	20.2	20.26	-
Salinity (ppt)	32.4	32.4	32.8	32.7	33.0	33.0	32.72	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	85.3	85.1	85.7	85.6	86.1	86.1	85.65	-
D.O. (mg/L)	6.4	6.4	6.4	6.4	6.4	6.4	6.39	6.41
Turbidity (NTU)	7.9	7.5	31.4	31.1	34.0	34.1	24.33	-
SS (mg/L)	13	11	10	9	39	38	20.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:02-12:04							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.4	20.3	20.3	20.3	20.3	20.2	20.28	-
Salinity (ppt)	33.3	33.3	33.6	33.7	33.7	33.7	33.54	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.06	
D.O. Saturation (%)	83.9	83.3	83.4	83.0	85.5	84.2	83.88	-
D.O. (mg/L)	6.2	6.2	6.2	6.1	6.4	6.3	6.23	6.34
Turbidity (NTU)	7.3	7.2	47.7	48.6	59.4	56.2	37.73	-
SS (mg/L)	9	10	12	12	43	43	21.50	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:35-11:37							
Water Depth (m)	9.6							
Monitoring Depth (m)	1.0		4.8		8.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.2	20.2	20.2	20.2	20.2	20.2	20.19	-
Salinity (ppt)	31.9	31.9	32.5	32.5	34.0	33.0	32.64	-
pH	8.0	8.0	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	87.4	87.1	88.8	89.2	90.0	90.6	88.85	-
D.O. (mg/L)	6.6	6.5	6.7	6.7	6.7	6.8	6.65	6.75
Turbidity (NTU)	11.6	11.1	14.5	13.5	33.6	35.4	19.95	-
SS (mg/L)	13	15	13	12	12	14	13.17	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	12:15-12:16							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	20.3	20.3	-	-	20.3	20.3	20.26	-
Salinity (ppt)	33.3	33.3	-	-	33.3	33.2	33.27	-
pH	8.0	8.1	-	-	8.1	8.0	8.05	
D.O. Saturation (%)	83.3	83.2	-	-	84.7	83.9	83.78	-
D.O. (mg/L)	6.2	6.2	-	-	6.3	6.2	6.23	6.27
Turbidity (NTU)	13.2	12.5	-	-	26.0	25.3	19.25	-
SS (mg/L)	14	15	-	-	16	17	15.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C1 & C3 Mean**		**IMO1**		**IMO2**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.7	6.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.6	6.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	15.7	NA	N	N	Y	Y	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	18.0	18.0	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/14/08
Weather & Ambient Temperature	Fine, 17C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	15:59-16:00							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.6	19.6	19.5	19.5	19.5	19.5	19.54	-
Salinity (ppt)	37.9	38.8	38.4	39.7	38.9	38.0	38.62	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	91.7	89.1	95.3	89.4	90.3	111.8	94.60	-
D.O. (mg/L)	6.7	6.5	7.0	6.5	6.6	8.2	6.91	7.40
Turbidity (NTU)	3.2	2.8	3.3	3.3	3.1	3.4	3.18	-
SS (mg/L)	6	6	8	8	5	5	6.33	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	15:30-15:31						Northing	Easting
Water Depth (m)	9.4						22.21.384	113.53.413
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.5	19.5	19.5	19.5	19.5	19.4	19.47	-
Salinity (ppt)	37.4	37.4	37.7	37.6	37.7	37.7	37.61	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	88.7	88.9	88.8	89.0	88.7	89.7	88.97	-
D.O. (mg/L)	6.5	6.6	6.5	6.5	6.5	6.61	6.55	6.57
Turbidity (NTU)	15.4	15.6	20.5	19.8	20.9	20.2	18.73	-
SS (mg/L)	14	12	23	20	22	21	18.67	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	15:17-15:18						Northing	Easting
Water Depth (m)	9.2						22.21.039	113.53.552
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.6	19.6	19.5	19.4	19.2	19.4	19.44	-
Salinity (ppt)	36.3	36.2	36.8	37.0	37.3	37.5	36.85	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	91.8	97.8	112.8	92.5	136.1	92.0	103.83	-
D.O. (mg/L)	6.8	7.2	8.3	6.8	10.1	6.78	7.68	8.43
Turbidity (NTU)	11.9	11.8	16.1	16.2	15.9	15.5	14.57	-
SS (mg/L)	10	10	11	9	10	9	9.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	15:24-15:24							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.5	19.5	19.3	19.4	19.1	19.5	19.37	-
Salinity (ppt)	36.4	36.6	37.3	37.3	37.5	37.3	37.06	-
pH	8.2	8.2	8.2	8.2	8.3	8.2	8.22	
D.O. Saturation (%)	106.3	93.5	116.5	94.9	134.0	96.1	106.88	-
D.O. (mg/L)	7.9	6.9	8.6	7.0	9.9	7.1	7.91	8.51
Turbidity (NTU)	6.6	6.5	8.4	8.0	8.2	8.1	7.63	-
SS (mg/L)	6	7	5	8	5	6		-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	15:11-15:12							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.6	19.7	19.5	19.5	19.5	19.3	19.52	-
Salinity (ppt)	36.2	36.2	36.8	36.9	37.4	37.4	36.81	-
pH	8.2	8.1	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	92.0	94.7	98.6	92.4	91.3	103.6	95.43	-
D.O. (mg/L)	6.8	7.0	7.3	6.8	6.7	7.7	7.05	7.19
Turbidity (NTU)	8.1	7.8	9.1	8.8	9.0	9.6	8.73	-
SS (mg/L)	9	10	11	11	10	8		-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	15:38-15:38							
Water Depth (m)	6.4							
Monitoring Depth (m)	1.0		3.2		5.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.5	19.6	19.5	19.4	19.6	19.2	19.45	-
Salinity (ppt)	36.8	36.6	37.0	37.0	36.9	35.7	36.66	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	118.7	95.7	99.6	127.0	107.1	150.3	116.40	-
D.O. (mg/L)	8.8	7.1	7.3	9.4	7.9	11.2	8.62	9.57
Turbidity (NTU)	9.0	8.9	9.9	10.0	10.1	10.5	9.73	-
SS (mg/L)	10	10	8	6	9	11	9.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	7.4	7.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.9	6.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	4.1	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	8.2	8.2	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/14/08
Weather & Ambient Temperature	Cloudy, 16C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:03-11:05							
Water Depth (m)	16.2							
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.7	19.6	19.6	19.6	19.6	19.6	19.64	-
Salinity (ppt)	38.0	37.7	38.5	38.7	37.9	38.3	38.18	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	87.3	87.7	87.4	87.2	87.9	87.9	87.57	-
D.O. (mg/L)	6.4	6.4	6.4	6.4	6.4	6.4	6.40	6.43
Turbidity (NTU)	4.7	4.5	5.7	5.8	7.7	8.0	6.07	-
SS (mg/L)	12	9	9	8	14	11	10.50	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:33-11:33							
Water Depth (m)	7.1							
Monitoring Depth (m)	1.0		3.6		6.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.6	19.5	19.6	19.6	19.4	19.54	-
Salinity (ppt)	36.0	36.0	36.0	36.1	36.1	35.6	35.96	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	97.7	92.3	99.8	93.0	94.4	116.0	98.87	-
D.O. (mg/L)	7.2	6.8	7.4	6.9	7.0	8.7	7.34	7.82
Turbidity (NTU)	10.1	10.0	10.4	10.2	11.1	11.0	10.47	-
SS (mg/L)	7	6	8	7	6	7	6.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:05-12:07						Northing	Easting
Water Depth (m)	8.5						22.21.411	113.53.452
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.8	19.8	19.8	19.8	19.8	19.80	-
Salinity (ppt)	35.5	34.8	35.7	35.5	35.5	35.7	35.46	-
pH	8.1	8.2	8.2	8.1	8.2	8.2	8.15	
D.O. Saturation (%)	86.4	85.4	85.5	87.6	93.6	85.9	87.40	-
D.O. (mg/L)	6.4	6.4	6.3	6.5	6.9	6.4	6.47	6.64
Turbidity (NTU)	8.0	8.1	9.8	9.3	10.6	10.1	9.32	-
SS (mg/L)	10	8	10	9	10	9	9.33	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:55-11:56						Northing	Easting
Water Depth (m)	9.0						22.21.035	113.53.581
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.9	19.9	19.9	19.9	19.9	19.9	19.88	-
Salinity (ppt)	35.9	36.0	36.1	36.2	36.2	35.4	35.97	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	86.7	86.2	87.0	86.2	86.3	87.8	86.70	-
D.O. (mg/L)	6.4	6.4	6.4	6.3	6.4	6.5	6.39	6.43
Turbidity (NTU)	11.9	11.5	18.9	18.9	20.4	20.7	17.05	-
SS (mg/L)	11	10	11	10	11	11	10.67	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:01-12:02							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.9	19.9	19.9	19.9	19.9	19.85	-
Salinity (ppt)	35.8	35.6	35.7	35.7	35.8	35.7	35.72	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	86.0	87.0	85.8	87.9	86.4	94.7	87.97	-
D.O. (mg/L)	6.4	6.4	6.3	6.5	6.4	7.0	6.50	6.69
Turbidity (NTU)	7.8	8.3	9.3	9.2	10.7	10.0	9.22	-
SS (mg/L)	10	11	10	16	10	13	11.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:49-11:50							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.8	19.8	19.8	19.9	19.9	19.5	19.77	-
Salinity (ppt)	35.3	35.3	35.5	35.5	35.6	35.7	35.48	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	93.6	87.9	100.8	88.3	89.6	116.9	96.18	-
D.O. (mg/L)	6.9	6.5	7.5	6.5	6.6	8.7	7.13	7.66
Turbidity (NTU)	7.6	7.7	8.4	8.1	8.5	8.3	8.10	-
SS (mg/L)	9	11	9	11	9	10	9.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	12:12-12:13							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		3.0		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.6	19.6	-	-	19.6	19.4	19.52	-
Salinity (ppt)	35.4	32.7	-	-	35.5	35.5	34.78	-
pH	8.1	8.1	-	-	8.1	8.2	8.14	
D.O. Saturation (%)	90.1	96.9	-	-	91.2	108.5	96.68	-
D.O. (mg/L)	6.7	7.3	-	-	6.8	8.1	7.22	7.44
Turbidity (NTU)	12.6	12.8	-	-	14.2	14.3	13.48	-
SS (mg/L)	12	16	-	-	15	16	14.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.9	6.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.7	NA	N	N	Y	Y	N	N	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	11.3	11.3	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/15/08
Weather & Ambient Temperature	Cloudy, 14C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	17:14-17:17							
Water Depth (m)	20.6							
Monitoring Depth (m)	1.0		10.3		19.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.4	19.4	19.4	19.4	19.31	-
Salinity (ppt)	36.2	36.2	36.5	36.5	37.0	36.9	36.55	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	90.6	90.1	89.2	89.3	90.8	91.0	90.17	-
D.O. (mg/L)	6.6	6.7	6.4	6.5	6.6	6.6	6.58	6.62
Turbidity (NTU)	4.9	4.8	3.7	4.0	3.9	4.8	4.35	-
SS (mg/L)	8.0	7.0	7.0	7.0	11.0	8.0	8.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	16:41-16:43						Northing	Easting
Water Depth (m)	10.3						22.21.481	113.53.723
Monitoring Depth (m)	1.0		5.2		9.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.2	19.2	19.2	19.2	19.21	-
Salinity (ppt)	35.2	35.2	35.5	35.4	35.7	35.8	35.46	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	91.4	91.4	91.8	91.4	92.2	91.9	91.68	-
D.O. (mg/L)	6.8	6.8	6.8	6.8	6.9	6.84	6.83	6.87
Turbidity (NTU)	5.8	5.7	6.3	6.2	6.7	7.0	6.28	-
SS (mg/L)	7.0	9.0	8.0	8.0	9.0	10.0	8.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	16:31-16:33						Northing	Easting
Water Depth (m)	10.0						22.20.765	113.53.742
Monitoring Depth (m)	1.0		5.0		9.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	18.9	18.9	18.9	18.9	18.91	-
Salinity (ppt)	35.3	35.3	35.5	35.5	35.7	35.6	35.47	-
pH	8.2	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	94.9	95.2	95.1	95.3	95.4	96.0	95.32	-
D.O. (mg/L)	7.1	7.2	7.1	7.1	7.1	7.22	7.14	7.18
Turbidity (NTU)	4.0	4.0	5.5	5.7	6.8	6.6	5.43	-
SS (mg/L)	6.0	6.0	7.0	8.0	8.0	9.0	7.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	16:48-16:50							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	19.0	19.0	19.0	19.0	19.03	-
Salinity (ppt)	35.1	35.0	35.2	35.3	35.4	35.5	35.26	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	92.4	91.6	92.3	92.6	93.4	92.8	92.52	-
D.O. (mg/L)	6.9	6.8	6.9	6.9	7.0	6.9	6.89	6.95
Turbidity (NTU)	4.8	5.0	7.6	7.7	8.3	8.5	6.98	-
SS (mg/L)	10.0	7.0	7.0	6.0	7.0	6.0	7.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	16:21-16:23							
Water Depth (m)	9.6							
Monitoring Depth (m)	1.0		4.8		8.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	18.9	18.9	18.9	18.9	18.96	-
Salinity (ppt)	34.3	34.3	34.4	34.4	34.7	34.7	34.46	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	94.7	94.6	96.2	96.0	96.3	96.9	95.78	-
D.O. (mg/L)	7.1	7.1	7.3	7.3	7.3	7.3	7.24	7.31
Turbidity (NTU)	4.7	4.4	5.5	5.7	7.7	7.5	5.92	-
SS (mg/L)	8.0	7.0	7.0	7.0	13.0	12.0	9.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	16:58-16:59							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	19.3	-	-	19.3	19.3	19.28	-
Salinity (ppt)	35.7	35.7	-	-	35.7	35.7	35.70	-
pH	8.2	8.2	-	-	8.2	8.2	8.17	
D.O. Saturation (%)	89.9	90.1	-	-	90.6	90.9	90.38	-
D.O. (mg/L)	6.7	6.7	-	-	6.8	6.8	6.74	6.77
Turbidity (NTU)	5.6	5.0	-	-	6.4	7.7	6.18	-
SS (mg/L)	10.0	9.0	-	-	11.0	7.0	9.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.6	6.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.6	6.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.7	NA	Y	Y	N	N	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	10.4	10.4	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/15/08
Weather & Ambient Temperature	Cloudy, 16C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:37-11:40							
Water Depth (m)	16.5							
Monitoring Depth (m)	1.0		8.3		15.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	19.2	19.2	19.2	19.2	19.20	-
Salinity (ppt)	33.6	33.6	33.8	33.9	34.1	35.0	34.00	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	88.7	89.1	88.3	88.3	89.1	88.6	88.68	-
D.O. (mg/L)	6.7	6.7	6.6	6.7	6.8	6.6	6.68	6.71
Turbidity (NTU)	2.8	2.6	3.8	4.2	6.1	5.8	4.22	-
SS (mg/L)	5.0	6.0	6.0	8.0	6.0	7.0	6.33	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	12:11-12:13							
Water Depth (m)	7.4							
Monitoring Depth (m)	1.0		3.7		6.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	18.9	18.9	18.8	18.9	18.92	-
Salinity (ppt)	33.8	33.8	33.9	33.9	33.9	33.9	33.86	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	93.5	93.4	93.4	93.7	94.9	94.6	93.92	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.3	7.2	7.15	7.22
Turbidity (NTU)	3.7	3.5	5.1	4.8	7.7	7.5	5.38	-
SS (mg/L)	5.0	8.0	6.0	6.0	10.0	7.0	7.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:46-12:48						Northing	Easting
Water Depth (m)	9.6						22.21.326	113.53.405
Monitoring Depth (m)	1.0		4.8		8.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.4	19.4	19.4	19.4	19.4	19.39	-
Salinity (ppt)	34.1	34.1	35.3	34.3	34.6	34.6	34.49	-
pH	8.2	8.1	8.2	8.1	8.2	8.2	8.15	
D.O. Saturation (%)	87.5	87.9	87.6	87.6	88.2	88.8	87.93	-
D.O. (mg/L)	6.6	6.6	6.5	6.6	6.6	6.7	6.59	6.64
Turbidity (NTU)	4.8	4.6	6.6	6.3	8.5	8.2	6.50	-
SS (mg/L)	10.0	12.0	7.0	8.0	10.0	14.0	10.17	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:36-12:38						Northing	Easting
Water Depth (m)	9.7						22.21.076	113.53.759
Monitoring Depth (m)	1.0		4.9		8.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.4	19.5	19.4	19.5	19.4	19.44	-
Salinity (ppt)	34.2	34.2	34.4	34.4	34.6	34.6	34.42	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.16	
D.O. Saturation (%)	88.2	88.3	88.5	88.4	88.9	89.9	88.70	-
D.O. (mg/L)	6.6	6.6	6.6	6.6	6.7	6.8	6.65	6.72
Turbidity (NTU)	5.4	5.2	6.1	5.8	6.8	6.6	5.98	-
SS (mg/L)	12.0	8.0	10.0	8.0	9.0	9.0	9.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:53-12:56							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.4	19.4	19.4	19.4	19.4	19.41	-
Salinity (ppt)	34.2	34.2	34.4	34.4	34.6	34.6	34.38	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	87.6	87.9	87.3	87.5	88.2	88.0	87.75	-
D.O. (mg/L)	6.5	6.6	6.5	6.5	6.6	6.6	6.53	6.56
Turbidity (NTU)	4.6	4.2	5.5	5.8	11.1	11.5	7.12	-
SS (mg/L)	11.0	8.0	10.0	6.0	16.0	13.0	10.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:29-12:31							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.4	19.4	19.4	19.4	19.4	19.38	-
Salinity (ppt)	33.6	33.6	33.8	33.7	33.9	33.9	33.73	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.16	
D.O. Saturation (%)	89.6	89.3	89.3	89.3	90.3	90.9	89.78	-
D.O. (mg/L)	6.8	6.7	6.7	6.7	6.8	6.9	6.77	6.84
Turbidity (NTU)	2.9	2.8	4.3	4.5	6.8	7.2	4.75	-
SS (mg/L)	8.0	5.0	8.0	6.0	8.0	7.0	7.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:04-13:05							
Water Depth (m)	5.4							
Monitoring Depth (m)	1.0		2.7		4.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.2	19.2	-	-	19.2	19.2	19.24	-
Salinity (ppt)	34.6	34.6	-	-	34.7	34.7	34.65	-
pH	8.2	8.2	-	-	8.2	8.1	8.16	
D.O. Saturation (%)	88.6	88.9	-	-	89.9	90.5	89.48	-
D.O. (mg/L)	6.7	6.7	-	-	6.8	6.8	6.72	6.78
Turbidity (NTU)	8.3	8.4	-	-	14.0	13.2	10.98	-
SS (mg/L)	16.0	12.0	-	-	14.0	12.0	13.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.0	7.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.9	6.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	6.2	NA	Y	Y	N	N	Y	Y	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	8.7	8.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/16/08
Weather & Ambient Temperature	Fine, 12C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	18:12-18:14							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.5	19.1	19.1	19.1	19.1	19.0	19.15	-
Salinity (ppt)	43.2	43.6	43.6	43.6	43.6	43.5	43.51	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.24	
D.O. Saturation (%)	80.8	86.8	87.2	85.5	86.0	88.3	85.77	-
D.O. (mg/L)	5.7	6.2	6.2	6.1	6.2	6.3	6.13	6.24
Turbidity (NTU)	9.5	8.9	9.3	10.2	10.1	10.3	9.72	-
SS (mg/L)	8.0	6.0	6.0	8.0	6.0	8.0	7.00	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	17:43-17:45						Northing	Easting
Water Depth (m)	8.5						22.21.389	113.53.609
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.9	18.9	18.9	18.9	18.9	18.9	18.90	-
Salinity (ppt)	40.6	40.7	40.8	41.0	40.7	40.5	40.71	-
pH	8.2	8.2	8.2	8.3	8.3	8.2	8.24	
D.O. Saturation (%)	87.5	88.1	87.5	88.1	88.2	87.4	87.80	-
D.O. (mg/L)	6.4	6.4	6.4	6.4	6.4	6.39	6.41	6.42
Turbidity (NTU)	4.4	4.8	4.8	4.6	5.9	5.7	5.03	-
SS (mg/L)	10.0	7.0	6.0	5.0	6.0	6.0	6.67	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	17:30-17:31						Northing	Easting
Water Depth (m)	9.2						22.20.989	113.53.697
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.9	18.8	18.8	18.8	18.8	18.8	18.81	-
Salinity (ppt)	39.4	41.0	41.1	41.2	40.7	40.6	40.65	-
pH	8.2	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	88.8	89.3	89.2	88.7	89.1	88.9	89.00	-
D.O. (mg/L)	6.5	6.5	6.5	6.5	6.5	6.50	6.51	6.51
Turbidity (NTU)	6.0	6.4	6.7	6.2	7.1	7.1	6.58	-
SS (mg/L)	8.0	7.0	10.0	7.0	10.0	7.0	8.17	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	17:37-17:38							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.9	18.9	18.9	18.9	18.9	18.9	18.90	-
Salinity (ppt)	40.5	40.3	40.7	40.5	40.2	40.4	40.43	-
pH	8.2	8.2	8.3	8.3	8.3	8.2	8.25	
D.O. Saturation (%)	89.2	89.8	89.4	90.0	90.1	89.5	89.67	-
D.O. (mg/L)	6.5	6.6	6.5	6.6	6.6	6.6	6.56	6.57
Turbidity (NTU)	5.6	5.6	5.4	5.8	6.6	6.5	5.92	-
SS (mg/L)	9.0	12.0	8.0	10.0	8.0	11.0	9.67	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	17:25-17:26							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.8	18.7	18.8	18.8	18.8	18.75	-
Salinity (ppt)	41.3	41.1	41.3	41.2	41.0	40.9	41.10	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	87.6	88.7	87.7	89.0	89.9	88.0	88.48	-
D.O. (mg/L)	6.4	6.5	6.4	6.5	6.6	6.4	6.46	6.50
Turbidity (NTU)	5.0	4.9	5.1	4.9	5.1	5.0	5.00	-
SS (mg/L)	8.0	8.0	10.0	8.0	11.0	7.0	8.67	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	17:51-17:51							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.1	19.1	-	-	19.1	19.1	19.07	-
Salinity (ppt)	38.1	38.0	-	-	38.0	38.0	38.02	-
pH	8.2	8.2	-	-	8.2	8.2	8.22	
D.O. Saturation (%)	90.4	90.7	-	-	91.3	90.4	90.70	-
D.O. (mg/L)	6.7	6.7	-	-	6.8	6.7	6.70	6.72
Turbidity (NTU)	7.1	7.1	-	-	7.4	6.7	7.08	-
SS (mg/L)	9.0	11.0	-	-	9.0	12.0	10.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.2	6.2	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.1	6.1	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	12.6	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	9.1	9.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/16/08
Weather & Ambient Temperature	Sunny, 15C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	12:04-12:05							
Water Depth (m)	16.1							
Monitoring Depth (m)	1.0		8.1		15.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.0	19.0	19.0	19.0	19.0	19.0	19.02	-
Salinity (ppt)	42.7	43.2	42.7	43.6	43.3	41.3	42.81	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.24	
D.O. Saturation (%)	92.1	88.5	93.9	88.6	89.0	102.7	92.47	-
D.O. (mg/L)	6.6	6.4	6.8	6.3	6.4	7.5	6.65	6.92
Turbidity (NTU)	9.5	9.1	10.0	9.6	10.5	10.6	9.88	-
SS (mg/L)	5.0	8.0	6.0	8.0	5.0	7.0	6.50	-
Remarks	No Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	13:29-13:30							
Water Depth (m)	6.9							
Monitoring Depth (m)	1.0		3.5		5.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.4	18.5	18.51	-
Salinity (ppt)	39.1	39.2	39.1	39.2	39.1	39.1	39.12	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.31	
D.O. Saturation (%)	106.4	98.9	112.8	100.0	130.6	102.4	108.52	-
D.O. (mg/L)	7.9	7.3	8.4	7.4	9.7	7.6	8.05	8.66
Turbidity (NTU)	5.5	5.4	5.9	5.3	6.9	6.5	5.92	-
SS (mg/L)	6.0	10.0	8.0	7.0	10.0	8.0	8.17	-
Remarks	No Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:45-12:46							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	18.9	18.9	18.9	18.8	18.88	-
Salinity (ppt)	39.8	39.3	38.8	40.0	39.4	38.1	39.22	-
pH	8.2	8.2	8.3	8.2	8.2	8.3	8.24	
D.O. Saturation (%)	91.1	97.3	101.2	92.0	94.7	111.9	98.03	-
D.O. (mg/L)	6.7	7.2	7.5	6.7	7.0	8.3	7.22	7.64
Turbidity (NTU)	4.7	4.8	4.1	4.8	5.2	4.8	4.73	-
SS (mg/L)	11.0	9.0	8.0	8.0	10.0	8.0	9.00	-
Remarks	No Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:52-12:52						Northing	Easting
Water Depth (m)	8.4						22.21.385	113.53.604
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	18.9	18.9	18.9	18.9	18.89	-
Salinity (ppt)	40.5	40.6	40.8	40.9	40.3	40.6	40.62	-
pH	8.2	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	88.6	88.4	88.6	88.5	88.7	88.7	88.58	-
D.O. (mg/L)	6.5	6.5	6.5	6.5	6.5	6.5	6.47	6.48
Turbidity (NTU)	5.2	5.0	4.6	4.6	5.2	5.7	5.05	-
SS (mg/L)	11.0	12.0	10.0	12.0	8.0	10.0	10.50	-
Remarks	No Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:10-13:11							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.7	18.7	18.7	18.6	18.70	-
Salinity (ppt)	41.0	40.7	41.0	33.8	40.5	39.3	39.38	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	90.7	99.6	91.3	102.3	93.0	110.9	97.97	-
D.O. (mg/L)	6.6	7.3	6.7	7.8	6.8	8.2	7.24	7.51
Turbidity (NTU)	5.0	4.6	5.0	4.6	4.8	5.1	4.85	-
SS (mg/L)	9.0	6.0	9.0	6.0	7.0	9.0	7.67	-
Remarks	No Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:03-13:04						Northing	Easting
Water Depth (m)	9.2						22.20.983	113.53.685
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.8	18.8	18.8	18.8	18.8	18.7	18.79	-
Salinity (ppt)	40.7	40.4	40.8	40.5	40.5	40.2	40.52	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	90.3	93.6	90.6	96.9	91.0	103.2	94.27	-
D.O. (mg/L)	6.6	6.9	6.6	7.1	6.7	7.6	6.90	7.12
Turbidity (NTU)	6.6	6.9	7.6	8.1	8.1	7.8	7.52	-
SS (mg/L)	7.0	9.0	7.0	10.0	9.0	9.0	8.50	-
Remarks	Dredging works was observed. Floating rubblish was observed.							

Station	MP							
Time (hh:mm)	12:36-12:36							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	-	-	18.9	19.1	19.02	-
Salinity (ppt)	37.8	37.9	-	-	37.9	37.8	37.85	-
pH	8.2	8.2	-	-	8.2	8.2	8.22	
D.O. Saturation (%)	102.9	94.1	-	-	123.5	98.1	104.65	-
D.O. (mg/L)	7.6	7.0	-	-	9.2	7.3	7.75	8.22
Turbidity (NTU)	8.7	8.0	-	-	11.2	11.1	9.75	-
SS (mg/L)	11.0	8.0	-	-	10.0	9.0	9.50	-
Remarks	No Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.8	7.8	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.4	7.4	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.3	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	9.5	9.5	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/17/08
Weather & Ambient Temperature	Cloudy, 15C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	7:48-7:49							
Water Depth (m)	20.3							
Monitoring Depth (m)	1.0		10.2		19.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.7	18.7	18.7	18.7	18.7	18.68	-
Salinity (ppt)	41.6	41.4	41.5	40.3	41.5	41.2	41.24	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.28	
D.O. Saturation (%)	90.8	91.3	91.1	91.3	91.3	91.6	91.23	-
D.O. (mg/L)	6.6	6.7	6.6	6.7	6.7	6.7	6.66	6.68
Turbidity (NTU)	2.1	2.3	2.9	2.7	3.7	3.6	2.88	-
SS (mg/L)	6.0	5.0	4.0	6.0	4.0	6.0	5.17	-
Remarks	No dredging works was observed.							

Station	IMO1						**Co-ordinates**	
:	7:07-7:07						Northing	Easting
Water Depth (m)	8.6						22.21.052	113.53.774
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.1	18.1	18.0	18.0	18.1	18.1	18.05	-
Salinity (ppt)	34.8	37.6	37.8	37.6	37.5	37.7	37.16	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.29	
D.O. Saturation (%)	93.0	93.0	93.0	93.0	93.0	93.0	93.00	-
D.O. (mg/L)	7.1	7.0	7.0	7.0	7.0	7.02	7.04	7.03
Turbidity (NTU)	3.2	3.6	3.6	3.8	3.3	3.6	3.52	-
SS (mg/L)	5.0	4.0	4.0	4.0	4.0	4.0	4.17	-
Remarks	No dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	7:00-7:01						Northing	Easting
Water Depth (m)	9.0						22.20.771	113.53.714
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.0	17.9	18.0	18.0	18.0	17.98	-
Salinity (ppt)	36.5	36.4	36.7	36.6	36.3	36.5	36.49	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.29	
D.O. Saturation (%)	93.5	93.2	93.0	93.1	92.8	92.6	93.03	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.1	7.05	7.08	7.06
Turbidity (NTU)	4.3	4.0	4.6	4.4	4.1	4.6	4.33	-
SS (mg/L)	6.0	3.0	5.0	3.0	4.0	4.0	4.17	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	7:14-7:15							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.2	18.2	18.2	18.2	18.2	18.2	18.23	-
Salinity (ppt)	36.9	38.2	38.2	38.9	37.5	38.4	38.02	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.26	
D.O. Saturation (%)	90.8	91.2	91.2	90.9	91.3	91.1	91.08	-
D.O. (mg/L)	6.9	6.8	6.8	6.8	6.9	6.8	6.84	6.85
Turbidity (NTU)	3.2	3.3	3.4	3.1	3.5	3.7	3.37	-
SS (mg/L)	5.0	7.0	5.0	7.0	4.0	6.0	5.67	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	6:50-6:51							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.0	18.0	18.0	18.1	18.0	18.03	-
Salinity (ppt)	34.5	35.1	33.3	34.6	34.7	34.7	34.49	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.27	
D.O. Saturation (%)	93.1	92.9	92.5	92.5	92.6	92.9	92.75	-
D.O. (mg/L)	7.2	7.1	7.2	7.1	7.1	7.1	7.14	7.13
Turbidity (NTU)	3.0	3.1	3.6	3.3	3.4	3.2	3.27	-
SS (mg/L)	4.0	4.0	6.0	4.0	7.0	5.0	5.00	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	7:22-7:22							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.5	-	-	18.4	18.5	18.45	-
Salinity (ppt)	36.0	35.9	-	-	35.8	35.9	35.91	-
pH	8.2	8.2	-	-	8.2	8.2	8.22	
D.O. Saturation (%)	90.3	91.3	-	-	92.2	90.9	91.18	-
D.O. (mg/L)	6.8	6.9	-	-	7.0	6.9	6.90	6.94
Turbidity (NTU)	2.1	2.1	-	-	2.1	2.1	2.10	-
SS (mg/L)	4.0	5.0	-	-	5.0	6.0	5.00	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.7	6.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.7	6.7	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	3.7	NA	N	N	Y	Y	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	6.7	6.7	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/17/08
Weather & Ambient Temperature	Cloudy, 18C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	12:38-12:40							
Water Depth (m)	16.3							
Monitoring Depth (m)	1.0		8.2		15.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.7	18.7	18.7	18.7	18.66	-
Salinity (ppt)	40.9	40.7	39.6	41.1	39.6	40.6	40.43	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.27	
D.O. Saturation (%)	91.9	92.4	92.4	91.9	92.9	92.2	92.28	-
D.O. (mg/L)	6.7	6.8	6.8	6.7	6.9	6.8	6.78	6.81
Turbidity (NTU)	3.3	3.6	4.0	3.8	4.6	4.2	3.92	-
SS (mg/L)	6.0	4.0	6.0	4.0	5.0	4.0	4.83	-
Remarks	No dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:17-11:19							
Water Depth (m)	6.9							
Monitoring Depth (m)	1.0		3.5		5.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.7	17.7	17.7	17.7	17.7	17.6	17.68	-
Salinity (ppt)	34.0	34.4	34.4	33.9	34.1	33.6	34.06	-
pH	8.3	8.3	8.3	8.2	8.3	8.2	8.26	
D.O. Saturation (%)	98.0	98.4	98.5	98.1	98.3	98.4	98.28	-
D.O. (mg/L)	7.6	7.6	7.6	7.6	7.6	7.7	7.63	7.65
Turbidity (NTU)	2.8	2.9	3.0	3.0	2.8	3.1	2.93	-
SS (mg/L)	4.0	3.0	5.0	5.0	3.0	5.0	4.17	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:49-11:50						Northing	Easting
Water Depth (m)	8.4						22.21.055	113.53.761
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.1	18.0	18.0	18.0	18.0	18.02	-
Salinity (ppt)	35.5	37.1	35.4	37.0	35.0	36.5	36.08	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.27	
D.O. Saturation (%)	93.7	93.1	94.3	93.1	95.3	93.1	93.77	-
D.O. (mg/L)	7.2	7.1	7.2	7.1	7.3	7.1	7.15	7.20
Turbidity (NTU)	4.6	4.4	5.9	5.4	6.9	6.7	5.65	-
SS (mg/L)	5.0	6.0	5.0	4.0	5.0	3.0	4.67	-
Remarks	No dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:43-11:44						Northing	Easting
Water Depth (m)	9.0						22.20.794	113.53.725
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.0	17.9	17.9	18.0	17.8	17.95	-
Salinity (ppt)	34.7	35.8	34.8	35.5	35.1	35.0	35.14	-
pH	8.2	8.3	8.3	8.3	8.3	8.2	8.26	
D.O. Saturation (%)	94.0	93.4	94.8	93.2	92.9	97.1	94.23	-
D.O. (mg/L)	7.2	7.1	7.3	7.1	7.1	7.5	7.24	7.31
Turbidity (NTU)	5.6	5.5	6.5	6.2	6.2	6.9	6.15	-
SS (mg/L)	4.0	4.0	5.0	4.0	4.0	3.0	4.00	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:57-11:58							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.2	18.2	18.2	18.2	18.2	18.2	18.22	-
Salinity (ppt)	37.5	37.4	37.5	37.6	37.5	37.3	37.46	-
pH	8.3	8.3	8.2	8.3	8.3	8.2	8.25	
D.O. Saturation (%)	91.2	91.2	91.4	91.2	91.2	91.7	91.32	-
D.O. (mg/L)	6.9	6.9	6.9	6.9	6.9	6.9	6.88	6.90
Turbidity (NTU)	4.3	4.4	4.6	4.4	4.6	4.3	4.43	-
SS (mg/L)	5.0	7.0	4.0	5.0	5.0	7.0	5.50	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:33-11:34							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.0	17.9	18.0	18.0	17.7	17.95	-
Salinity (ppt)	34.3	29.8	33.9	34.5	34.4	33.8	33.45	-
pH	8.3	8.2	8.2	8.3	8.3	8.2	8.24	
D.O. Saturation (%)	93.0	93.7	94.0	92.8	93.1	95.2	93.63	-
D.O. (mg/L)	7.2	7.4	7.3	7.2	7.2	7.4	7.27	7.29
Turbidity (NTU)	4.4	4.6	5.4	5.7	4.6	5.1	4.97	-
SS (mg/L)	4.0	6.0	4.0	6.0	4.0	7.0	5.17	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	12:05-12:05							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.3	-	-	18.0	18.4	18.28	-
Salinity (ppt)	35.7	35.3	-	-	35.3	35.6	35.47	-
pH	8.2	8.2	-	-	8.2	8.2	8.18	
D.O. Saturation (%)	93.1	95.5	-	-	97.6	95.0	95.30	-
D.O. (mg/L)	7.1	7.3	-	-	7.5	7.2	7.26	7.35
Turbidity (NTU)	3.5	3.7	-	-	4.1	3.6	3.73	-
SS (mg/L)	5.0	6.0	-	-	4.0	6.0	5.25	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.2	7.2	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.2	7.2	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	4.5	NA	Y	Y	Y	Y	N	N	Y	Y	N	N
SS (Depth-averaged)	24.0	37.0	5.9	5.9	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/18/08
Weather & Ambient Temperature	Cloudy, 14C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	8:48-8:49							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.6	18.6	18.56	-
Salinity (ppt)	41.7	41.4	41.6	41.3	41.2	41.4	41.44	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.26	
D.O. Saturation (%)	92.7	93.0	92.8	92.9	93.1	93.0	92.92	-
D.O. (mg/L)	6.8	6.8	6.8	6.8	6.8	6.8	6.79	6.81
Turbidity (NTU)	1.7	1.7	2.1	2.1	2.2	2.1	1.98	-
SS (mg/L)	3.0	3.0	4.0	5.0	4.0	6.0	4.17	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	8:20-8:21						Northing	Easting
Water Depth (m)	9.0						22.21.487	113.53.579
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	17.9	18.0	17.8	17.8	18.0	18.0	17.91	-
Salinity (ppt)	37.1	37.5	38.5	37.3	37.7	36.9	37.48	-
pH	8.2	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	91.6	91.7	91.4	91.4	91.6	91.7	91.57	-
D.O. (mg/L)	7.0	6.9	6.9	7.0	6.9	6.97	6.94	6.95
Turbidity (NTU)	11.7	11.7	12.5	12.1	12.6	12.7	12.22	-
SS (mg/L)	4.0	4.0	3.0	6.0	7.0	7.0	5.17	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	8:14-8:15						Northing	Easting
Water Depth (m)	8.8						22.21.639	113.53.284
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	17.9	17.8	17.8	18.0	18.0	17.92	-
Salinity (ppt)	37.7	37.9	38.3	38.4	37.2	38.2	37.95	-
pH	8.2	8.2	8.3	8.3	8.2	8.3	8.24	
D.O. Saturation (%)	93.7	93.8	93.4	93.5	93.9	93.9	93.70	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.1	7.08	7.08	7.10
Turbidity (NTU)	4.0	4.2	4.3	4.4	4.2	4.1	4.20	-
SS (mg/L)	3.0	5.0	2.0	3.0	3.0	5.0	3.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	8:09-8:10							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	17.9	17.9	17.7	17.8	18.0	17.9	17.87	-
Salinity (ppt)	36.0	36.3	36.1	36.5	36.1	35.6	36.11	-
pH	8.2	8.2	8.3	8.3	8.2	8.3	8.25	
D.O. Saturation (%)	94.9	94.9	94.5	94.5	94.8	94.4	94.67	-
D.O. (mg/L)	7.3	7.2	7.2	7.2	7.2	7.2	7.24	7.24
Turbidity (NTU)	1.5	1.6	1.7	1.7	1.6	1.7	1.63	-
SS (mg/L)	5.0	3.0	4.0	3.0	3.0	3.0	3.50	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	8:00-8:00							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	17.9	17.8	17.7	17.7	17.9	17.9	17.83	-
Salinity (ppt)	36.9	36.0	36.7	36.0	36.2	35.7	36.23	-
pH	8.2	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	96.7	96.9	96.7	96.7	96.6	96.5	96.68	-
D.O. (mg/L)	7.4	7.4	7.4	7.4	7.4	7.4	7.39	7.39
Turbidity (NTU)	3.6	3.4	3.5	3.3	3.5	3.4	3.45	-
SS (mg/L)	5.0	6.0	3.0	4.0	3.0	5.0	4.33	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	8:26-8:27							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.1	-	-	18.0	18.0	18.03	-
Salinity (ppt)	36.1	36.2	-	-	36.2	36.3	36.20	-
pH	8.2	8.2	-	-	8.2	8.2	8.21	
D.O. Saturation (%)	91.7	91.3	-	-	91.9	91.4	91.58	-
D.O. (mg/L)	7.0	7.0	-	-	7.0	7.0	6.97	6.98
Turbidity (NTU)	3.6	3.3	-	-	4.3	4.0	3.80	-
SS (mg/L)	4.0	4.0	-	-	5.0	4.0	4.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.8	6.8	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.8	6.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	2.6	NA	Y	Y	Y	Y	N	N	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	5.4	5.4	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/18/08
Weather & Ambient Temperature	Cloudy, 16C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:13-13:14							
Water Depth (m)	16.2							
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.5	18.5	18.53	-
Salinity (ppt)	40.8	40.2	40.9	40.2	40.1	39.4	40.24	-
pH	8.3	8.2	8.3	8.2	8.2	8.2	8.24	
D.O. Saturation (%)	94.0	94.5	94.1	94.6	94.3	94.9	94.40	-
D.O. (mg/L)	6.9	7.0	6.9	7.0	7.0	7.0	6.96	6.99
Turbidity (NTU)	1.8	1.9	2.1	2.2	2.1	2.3	2.07	-
SS (mg/L)	2.0	4.0	3.0	5.0	3.0	4.0	3.50	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:59-12:00							
Water Depth (m)	7.1							
Monitoring Depth (m)	1.0		3.6		6.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.6	17.6	17.6	17.6	17.6	17.6	17.60	-
Salinity (ppt)	35.1	35.2	35.3	35.2	35.4	35.4	35.25	-
pH	8.3	8.3	8.3	8.3	8.3	8.2	8.27	
D.O. Saturation (%)	98.2	98.9	98.9	97.9	99.2	98.9	98.67	-
D.O. (mg/L)	7.6	7.6	7.6	7.6	7.7	7.6	7.62	7.65
Turbidity (NTU)	1.8	1.8	2.2	2.2	2.1	2.2	2.05	-
SS (mg/L)	3.0	5.0	4.0	3.0	4.0	4.0	3.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:23-12:24							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.0	17.8	17.8	17.7	17.9	17.88	-
Salinity (ppt)	35.3	35.2	35.5	35.7	35.4	35.6	35.41	-
pH	8.2	8.2	8.2	8.3	8.2	8.2	8.22	
D.O. Saturation (%)	94.7	95.5	95.4	94.4	95.5	94.6	95.02	-
D.O. (mg/L)	7.3	7.3	7.3	7.3	7.4	7.3	7.29	7.30
Turbidity (NTU)	1.8	1.9	2.5	2.4	3.3	3.4	2.55	-
SS (mg/L)	8.0	6.0	3.0	3.0	4.0	2.0	4.33	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	12:34-12:35						Northing	Easting
Water Depth (m)	9.1						22.21.489	113.53.568
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.0	17.9	17.8	17.9	18.0	17.91	-
Salinity (ppt)	35.8	36.7	36.6	36.1	36.0	36.3	36.22	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	93.7	92.0	91.8	94.5	97.0	92.2	93.53	-
D.O. (mg/L)	7.2	7.0	7.0	7.2	7.4	7.0	7.14	7.22
Turbidity (NTU)	8.0	8.0	8.1	8.7	8.3	8.7	8.30	-
SS (mg/L)	6.0	5.0	4.0	5.0	4.0	6.0	5.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:14-12:15							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.9	17.9	17.6	17.7	17.6	17.8	17.76	-
Salinity (ppt)	35.7	35.0	35.1	35.7	35.1	35.2	35.30	-
pH	8.2	8.2	8.3	8.3	8.3	8.3	8.25	
D.O. Saturation (%)	97.5	98.2	98.2	97.3	99.1	96.9	97.87	-
D.O. (mg/L)	7.5	7.6	7.6	7.5	7.7	7.5	7.54	7.56
Turbidity (NTU)	3.5	3.4	3.7	3.5	3.9	3.5	3.58	-
SS (mg/L)	5.0	4.0	5.0	3.0	5.0	4.0	4.33	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	12:28-12:29						Northing	Easting
Water Depth (m)	8.9						22.21.633	113.53.295
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	17.9	17.9	17.8	17.7	18.0	17.86	-
Salinity (ppt)	36.4	35.6	36.4	36.1	35.9	36.7	36.18	-
pH	8.2	8.2	8.2	8.2	8.3	8.2	8.23	
D.O. Saturation (%)	94.1	94.9	93.8	95.2	96.7	94.5	94.87	-
D.O. (mg/L)	7.2	7.3	7.2	7.3	7.4	7.2	7.25	7.31
Turbidity (NTU)	4.3	4.3	4.7	4.2	4.3	4.3	4.35	-
SS (mg/L)	3.0	4.0	4.0	3.0	4.0	3.0	3.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	12:41-12:42							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.0	18.0	-	-	18.0	18.0	18.00	-
Salinity (ppt)	36.0	35.9	-	-	34.2	35.9	35.51	-
pH	8.2	8.2	-	-	8.2	8.2	8.19	
D.O. Saturation (%)	92.4	93.5	-	-	92.4	94.9	93.30	-
D.O. (mg/L)	7.1	7.1	-	-	7.1	7.3	7.14	7.19
Turbidity (NTU)	3.1	2.8	-	-	2.9	2.8	2.90	-
SS (mg/L)	4.0	6.0	-	-	4.0	6.0	5.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.3	7.3	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.3	7.3	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	2.7	NA	Y	Y	Y	Y	N	N	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	4.8	4.8	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/19/08
Weather & Ambient Temperature	Fine, 17C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	9:48-9:49							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.4	18.4	18.4	18.4	18.4	18.4	18.39	-
Salinity (ppt)	40.5	40.6	40.9	40.8	41.1	40.8	40.78	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	91.8	92.0	92.4	92.0	92.8	91.1	92.02	-
D.O. (mg/L)	6.8	6.8	6.8	6.8	6.8	6.7	6.77	6.77
Turbidity (NTU)	2.8	2.7	2.3	2.4	2.4	2.6	2.53	-
SS (mg/L)	6.0	6.0	8.0	8.0	4.0	6.0	6.33	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	10:14-10:15						Northing	Easting
Water Depth (m)	16.2						22.22.117	113.55.291
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.9	18.9	18.6	18.6	18.7	18.6	18.72	-
Salinity (ppt)	39.5	41.9	39.2	41.9	36.9	41.2	40.10	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	92.8	91.7	94.3	92.2	97.4	93.1	93.58	-
D.O. (mg/L)	6.8	6.6	7.0	6.7	7.3	6.81	6.88	7.06
Turbidity (NTU)	2.5	2.4	3.1	3.2	3.8	3.8	3.13	-
SS (mg/L)	5.0	4.0	7.0	4.0	3.0	4.0	4.50	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	10:05-10:07						Northing	Easting
Water Depth (m)	22.9						22.22.033	113.55.023
Monitoring Depth (m)	1.0		11.5		21.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	19.3	19.2	18.4	18.4	18.4	18.4	18.68	-
Salinity (ppt)	41.9	41.6	41.9	41.8	41.7	41.5	41.72	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	94.4	94.3	93.1	94.2	94.4	95.3	94.28	-
D.O. (mg/L)	6.8	6.8	6.8	6.9	6.9	6.99	6.87	6.95
Turbidity (NTU)	1.9	1.9	1.8	1.9	1.8	1.8	1.85	-
SS (mg/L)	6.0	4.0	7.0	4.0	7.0	5.0	5.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	9:20-9:21							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.1	18.1	18.1	18.1	17.9	18.1	18.07	-
Salinity (ppt)	35.0	35.0	35.0	34.8	34.8	34.4	34.82	-
pH	8.2	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	92.6	93.9	92.8	95.4	98.0	93.1	94.30	-
D.O. (mg/L)	7.1	7.2	7.1	7.3	7.5	7.2	7.24	7.35
Turbidity (NTU)	3.8	3.9	4.6	4.7	4.8	4.9	4.45	-
SS (mg/L)	5.0	7.0	5.0	8.0	6.0	8.0	6.50	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	9:12-9:13							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.0	18.0	18.0	18.0	18.0	18.01	-
Salinity (ppt)	34.6	35.4	34.5	35.3	34.5	34.8	34.84	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	94.3	94.4	94.4	94.3	94.6	94.4	94.40	-
D.O. (mg/L)	7.3	7.2	7.3	7.2	7.3	7.3	7.25	7.27
Turbidity (NTU)	2.8	2.7	2.9	2.8	3.0	3.1	2.88	-
SS (mg/L)	5.0	5.0	6.0	4.0	6.0	5.0	5.17	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	9:31-9:32							
Water Depth (m)	6.1							
Monitoring Depth (m)	1.0		3.0		5.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.2	18.2	-	-	18.2	18.2	18.22	-
Salinity (ppt)	35.2	35.4	-	-	35.1	35.3	35.25	-
pH	8.2	8.2	-	-	8.2	8.2	8.16	
D.O. Saturation (%)	92.7	92.4	-	-	93.0	92.5	92.65	-
D.O. (mg/L)	7.1	7.0	-	-	7.1	7.1	7.07	7.09
Turbidity (NTU)	5.4	5.2	-	-	5.5	5.4	5.38	-
SS (mg/L)	9.0	10.0	-	-	8.0	10.0	9.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		**IMO1**		**IMO2**		**MPB1**		**MPB2**		**MP**	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.8	6.8	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.8	6.8	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	3.3	NA	N	N	N	N	Y	Y	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	8.2	8.2	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/19/08
Weather & Ambient Temperature	Sunny, 19C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:07-13:08							
Water Depth (m)	16.7							
Monitoring Depth (m)	1.0		8.4		15.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.4	18.4	18.4	18.3	18.37	-
Salinity (ppt)	36.8	39.0	36.1	39.3	38.3	35.2	37.44	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	97.1	96.4	97.2	96.3	96.8	99.2	97.17	-
D.O. (mg/L)	7.3	7.2	7.4	7.2	7.2	7.6	7.30	7.40
Turbidity (NTU)	1.6	1.8	1.7	1.9	1.9	1.8	1.78	-
SS (mg/L)	3.0	6.0	4.0	7.0	4.0	6.0	5.00	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	14:25-14:26							
Water Depth (m)	7.3							
Monitoring Depth (m)	1.0		3.7		6.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.1	18.1	18.0	17.9	18.0	18.1	18.02	-
Salinity (ppt)	36.9	37.0	37.0	36.6	36.3	36.8	36.76	-
pH	8.3	8.3	8.3	8.3	8.2	8.3	8.27	
D.O. Saturation (%)	103.1	102.9	102.9	103.3	105.0	103.4	103.43	-
D.O. (mg/L)	7.8	7.8	7.8	7.9	8.0	7.8	7.85	7.92
Turbidity (NTU)	10.9	10.4	10.7	10.8	11.0	11.1	10.82	-
SS (mg/L)	3.0	5.0	4.0	5.0	6.0	4.0	4.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:00-14:00							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.2	18.0	18.1	18.2	18.2	18.18	-
Salinity (ppt)	36.3	36.6	36.6	36.4	36.4	36.3	36.42	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	99.5	98.5	98.6	100.6	98.9	103.1	99.87	-
D.O. (mg/L)	7.5	7.5	7.5	7.6	7.5	7.8	7.58	7.67
Turbidity (NTU)	2.1	2.4	2.3	2.2	2.5	2.3	2.30	-
SS (mg/L)	4.0	3.0	3.0	3.0	7.0	5.0	4.17	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:32-13:33						Northing	Easting
Water Depth (m)	17.3						22.22.113	113.55.244
Monitoring Depth (m)	1.0		8.7		16.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.2	18.7	18.7	18.6	18.7	18.83	-
Salinity (ppt)	42.0	40.0	42.1	39.6	41.1	37.2	40.33	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	94.7	95.0	95.3	95.5	97.2	99.1	96.13	-
D.O. (mg/L)	6.8	6.9	6.9	7.0	7.1	7.4	7.04	7.26
Turbidity (NTU)	2.3	2.3	2.4	2.2	2.2	2.1	2.25	-
SS (mg/L)	14.0	9.0	3.0	4.0	3.0	5.0	6.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	14:09-14:09							
Water Depth (m)	9.1							
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.9	17.9	17.8	17.8	17.8	17.8	17.83	-
Salinity (ppt)	37.6	36.7	37.6	36.6	36.9	36.3	36.94	-
pH	8.3	8.3	8.3	8.3	8.3	8.3	8.26	
D.O. Saturation (%)	100.4	101.1	100.0	101.5	101.0	102.8	101.13	-
D.O. (mg/L)	7.6	7.7	7.6	7.8	7.7	7.9	7.70	7.78
Turbidity (NTU)	2.1	2.1	2.3	2.3	2.7	2.6	2.35	-
SS (mg/L)	5.0	3.0	6.0	4.0	6.0	4.0	4.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:24-13:26						Northing	Easting
Water Depth (m)	23.0						22.22.056	113.55.005
Monitoring Depth (m)	1.0		11.5		22.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.1	18.8	18.6	18.5	18.4	18.74	-
Salinity (ppt)	41.2	41.6	41.5	41.6	41.4	41.4	41.42	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	97.8	96.0	94.9	94.4	97.0	96.3	96.07	-
D.O. (mg/L)	7.1	7.0	6.9	6.9	7.1	7.1	7.00	7.08
Turbidity (NTU)	2.5	2.5	2.6	2.5	3.4	3.3	2.80	-
SS (mg/L)	3.0	5.0	3.0	4.0	7.0	6.0	4.67	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:51-13:52							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		3.0		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	-	-	18.5	18.5	18.48	-
Salinity (ppt)	36.3	36.4	-	-	36.4	35.8	36.21	-
pH	8.2	8.2	-	-	8.2	8.2	8.19	
D.O. Saturation (%)	98.3	96.7	-	-	97.3	102.8	98.78	-
D.O. (mg/L)	7.4	7.3	-	-	7.3	7.8	7.46	7.56
Turbidity (NTU)	2.3	2.2	-	-	2.8	2.8	2.53	-
SS (mg/L)	4.0	7.0	-	-	5.0	6.0	5.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.7	7.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.6	7.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.2	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	6.2	6.2	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/20/08
Weather & Ambient Temperature	Sunny, 17C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	10:58-11:00							
Water Depth (m)	20.6							
Monitoring Depth (m)	1.0		10.3		19.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.5	18.5	18.58	-
Salinity (ppt)	39.3	39.5	39.7	40.6	38.0	40.3	39.57	-
pH	8.1	8.1	8.2	8.2	8.2	8.2	8.15	
D.O. Saturation (%)	95.9	94.3	95.9	94.1	97.4	92.8	95.07	-
D.O. (mg/L)	7.1	7.0	7.1	6.9	7.3	6.8	7.02	7.05
Turbidity (NTU)	4.2	4.2	4.3	4.0	4.4	4.3	4.23	-
SS (mg/L)	5.0	7.0	7.0	9.0	6.0	7.0	6.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:40-10:42						Northing	Easting
Water Depth (m)	20.8						22.21.989	113.55.061
Monitoring Depth (m)	1.0		10.4		19.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.5	18.4	18.4	18.4	18.4	18.41	-
Salinity (ppt)	40.7	39.8	39.9	41.0	38.9	40.3	40.11	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	94.8	95.3	95.6	95.0	96.5	95.6	95.47	-
D.O. (mg/L)	7.0	7.1	7.1	7.0	7.2	7.06	7.05	7.12
Turbidity (NTU)	3.0	3.3	5.2	5.3	5.3	5.5	4.60	-
SS (mg/L)	5.0	4.0	5.0	5.0	10.0	8.0	6.17	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:33-10:34						Northing	Easting
Water Depth (m)	18.9						22.21.702	113.55.562
Monitoring Depth (m)	1.0		9.5		17.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.3	18.3	18.3	18.3	18.34	-
Salinity (ppt)	39.2	37.2	37.2	39.5	38.4	34.8	37.71	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	96.2	96.5	96.9	96.3	96.9	98.0	96.80	-
D.O. (mg/L)	7.2	7.3	7.3	7.2	7.2	7.49	7.27	7.37
Turbidity (NTU)	3.7	3.6	3.7	4.0	4.2	4.7	3.98	-
SS (mg/L)	8.0	6.0	9.0	7.0	10.0	7.0	7.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:23-11:23							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.7	18.6	18.5	18.6	18.5	18.56	-
Salinity (ppt)	35.0	34.7	35.2	35.0	35.2	35.2	35.05	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	91.5	93.3	91.8	94.8	92.6	95.8	93.30	-
D.O. (mg/L)	7.0	7.1	7.0	7.2	7.0	7.3	7.09	7.15
Turbidity (NTU)	6.4	5.8	8.6	8.4	10.2	10.4	8.30	-
SS (mg/L)	15.0	12.0	9.0	7.0	9.0	8.0	10.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:40-11:41							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.5	18.4	18.3	18.5	18.8	18.54	-
Salinity (ppt)	35.4	36.1	36.1	36.6	36.3	35.9	36.08	-
pH	8.1	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	94.6	93.1	95.6	92.5	92.2	96.7	94.12	-
D.O. (mg/L)	7.1	7.0	7.2	7.0	7.0	7.3	7.11	7.12
Turbidity (NTU)	5.2	5.0	5.3	5.1	5.4	5.4	5.23	-
SS (mg/L)	10.0	9.0	11.0	8.0	9.0	8.0	9.17	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:15-11:16							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		2.9		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	-	-	18.6	18.9	18.66	-
Salinity (ppt)	34.4	34.6	-	-	34.7	33.4	34.26	-
pH	8.1	8.1	-	-	8.1	8.1	8.09	
D.O. Saturation (%)	96.5	93.2	-	-	94.4	101.6	96.43	-
D.O. (mg/L)	7.3	7.1	-	-	7.2	7.8	7.34	7.47
Turbidity (NTU)	5.3	5.0	-	-	5.0	5.1	5.10	-
SS (mg/L)	6.0	6.0	-	-	11.0	9.0	8.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.5	NA	N	N	N	N	Y	Y	N	N	N	N
SS (Depth-averaged)	24.0	37.0	8.9	8.9	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/20/08
Weather & Ambient Temperature	Fine, 17C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	15:24-15:25							
Water Depth (m)	15.9							
Monitoring Depth (m)	1.0		8.0		14.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.6	18.7	18.6	18.7	18.66	-
Salinity (ppt)	41.6	41.6	41.6	41.7	41.4	41.6	41.58	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	95.2	95.4	96.0	95.1	95.8	96.8	95.72	-
D.O. (mg/L)	6.9	7.0	7.0	6.9	7.0	7.1	6.98	7.03
Turbidity (NTU)	1.6	1.7	2.1	2.1	2.3	2.5	2.05	-
SS (mg/L)	4.0	4.0	6.0	4.0	8.0	5.0	5.17	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	14:0-14:01							
Water Depth (m)	7.9							
Monitoring Depth (m)	1.0		4.0		6.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.4	18.4	18.4	18.8	18.47	-
Salinity (ppt)	35.7	35.5	35.2	35.6	35.5	34.7	35.36	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	104.7	105.3	106.4	105.2	105.6	106.4	105.60	-
D.O. (mg/L)	7.9	8.0	8.1	8.0	8.0	8.1	8.02	8.04
Turbidity (NTU)	4.4	4.1	4.4	4.4	4.1	4.1	4.25	-
SS (mg/L)	8.0	6.0	9.0	7.0	7.0	8.0	7.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:23-14:24							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.6	18.4	18.4	18.4	18.5	18.45	-
Salinity (ppt)	35.0	34.7	35.2	35.2	35.5	35.4	35.15	-
pH	8.1	8.0	8.1	8.1	8.1	8.1	8.07	
D.O. Saturation (%)	98.5	96.7	96.7	98.7	100.3	96.8	97.95	-
D.O. (mg/L)	7.5	7.4	7.4	7.5	7.6	7.4	7.45	7.49
Turbidity (NTU)	4.9	4.8	5.1	5.2	5.6	5.9	5.25	-
SS (mg/L)	7.0	5.0	8.0	5.0	6.0	4.0	5.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:09-15:10						Northing	Easting
Water Depth (m)	19.5						22.21.785	113.55.453
Monitoring Depth (m)	1.0		9.8		18.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.1	19.4	18.5	18.6	18.6	18.6	18.79	-
Salinity (ppt)	40.0	41.1	41.6	40.1	41.0	37.4	40.21	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	95.8	95.0	95.0	96.8	97.1	99.9	96.60	-
D.O. (mg/L)	7.0	6.9	6.9	7.1	7.1	7.5	7.09	7.30
Turbidity (NTU)	3.3	3.0	4.2	4.0	4.3	4.5	3.88	-
SS (mg/L)	7.0	5.0	8.0	7.0	9.0	8.0	7.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	14:16-14:17							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.6	18.6	18.54	-
Salinity (ppt)	34.2	34.5	34.3	34.9	34.8	34.5	34.52	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	97.7	96.1	98.7	96.4	96.7	100.7	97.72	-
D.O. (mg/L)	7.5	7.3	7.5	7.3	7.4	7.7	7.45	7.51
Turbidity (NTU)	4.4	4.1	4.8	4.7	5.2	5.4	4.77	-
SS (mg/L)	4.0	4.0	9.0	7.0	7.0	5.0	6.00	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:38-13:40						Northing	Easting
Water Depth (m)	21.2						22.21.269	113.54.681
Monitoring Depth (m)	1.0		10.6		20.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.3	19.0	18.5	18.5	18.5	18.5	18.72	-
Salinity (ppt)	40.6	39.5	39.3	41.1	36.7	40.8	39.66	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	98.1	98.1	98.7	97.3	101.6	99.0	98.80	-
D.O. (mg/L)	7.1	7.2	7.3	7.1	7.6	7.3	7.28	7.46
Turbidity (NTU)	3.3	3.2	3.1	3.1	3.3	3.3	3.22	-
SS (mg/L)	5.0	8.0	7.0	10.0	6.0	9.0	7.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	14:31-14:31							
Water Depth (m)	6.0							
Monitoring Depth (m)	1.0		3.0		5.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.8	18.6	18.7	18.9	18.8	18.73	-
Salinity (ppt)	34.9	34.9	35.0	34.8	34.9	35.1	34.90	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.08	
D.O. Saturation (%)	95.9	94.3	96.9	95.0	95.3	99.6	96.17	-
D.O. (mg/L)	7.3	7.1	7.4	7.2	7.2	7.5	7.29	7.37
Turbidity (NTU)	6.3	5.9	7.0	6.7	7.5	7.2	6.77	-
SS (mg/L)	3.0	4.0	4.0	5.0	8.0	7.0	5.17	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.5	7.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.5	7.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	4.1	NA	N	N	N	N	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	8.2	8.2	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/21/08
Weather & Ambient Temperature	Sunny, 19C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	11:39-11:41							
Water Depth (m)	20.0							
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.8	18.8	18.8	18.8	18.7	18.7	18.76	-
Salinity (ppt)	36.4	36.6	39.0	39.9	37.3	39.6	38.14	-
pH	8.1	8.1	8.2	8.2	8.2	8.2	8.14	
D.O. Saturation (%)	92.8	93.3	96.5	94.7	96.9	94.9	94.85	-
D.O. (mg/L)	7.0	7.0	7.1	7.0	7.2	7.0	7.04	7.12
Turbidity (NTU)	6.3	6.7	9.6	9.8	11.2	10.7	9.05	-
SS (mg/L)	9.0	7.0	10.0	11.0	9.0	11.0	9.50	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	12:10-12:11						Northing	Easting
Water Depth (m)	8.4						22.21.364	113.53.629
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.7	18.6	18.6	18.7	18.7	18.66	-
Salinity (ppt)	34.5	35.0	35.1	36.3	36.8	35.6	35.57	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	92.4	92.0	92.1	92.0	92.1	92.8	92.23	-
D.O. (mg/L)	7.0	7.0	7.0	6.9	6.9	7.01	6.97	6.96
Turbidity (NTU)	7.3	6.9	8.2	8.8	8.8	8.4	8.07	-
SS (mg/L)	8.0	6.0	8.0	7.0	8.0	7.0	7.33	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	12:19-12:20						Northing	Easting
Water Depth (m)	9.5						22.21.078	113.53.539
Monitoring Depth (m)	1.0		4.8		8.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.7	18.6	18.6	18.6	18.6	18.61	-
Salinity (ppt)	34.4	35.4	36.2	35.3	36.0	37.8	35.84	-
pH	8.1	8.1	8.1	8.1	8.2	8.2	8.13	
D.O. Saturation (%)	92.9	92.1	92.7	95.1	95.7	92.8	93.55	-
D.O. (mg/L)	7.1	7.0	7.0	7.2	7.2	6.92	7.06	7.08
Turbidity (NTU)	8.2	7.6	10.2	10.9	11.6	11.1	9.93	-
SS (mg/L)	7.0	6.0	8.0	6.0	10.0	7.0	7.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:05-12:06							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.7	18.6	18.6	18.7	18.6	18.65	-
Salinity (ppt)	33.3	33.9	34.7	33.8	34.9	34.3	34.14	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.09	
D.O. Saturation (%)	93.8	92.5	92.8	95.3	93.3	98.9	94.43	-
D.O. (mg/L)	7.2	7.1	7.1	7.3	7.1	7.5	7.20	7.31
Turbidity (NTU)	7.1	7.2	8.8	8.4	7.9	7.5	7.82	-
SS (mg/L)	9.0	7.0	9.0	7.0	8.0	9.0	8.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:24-12:25							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.7	18.6	18.6	18.6	18.6	18.63	-
Salinity (ppt)	33.9	34.8	35.7	34.5	36.3	37.2	35.38	-
pH	8.1	8.1	8.2	8.1	8.2	8.2	8.15	
D.O. Saturation (%)	94.5	93.3	93.3	95.6	96.8	93.5	94.50	-
D.O. (mg/L)	7.2	7.1	7.1	7.3	7.3	7.0	7.15	7.15
Turbidity (NTU)	6.2	6.0	7.4	7.1	7.8	7.3	6.97	-
SS (mg/L)	7.0	7.0	8.0	6.0	10.0	7.0	7.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:57-11:57							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.6	-	-	18.4	18.7	18.60	-
Salinity (ppt)	32.7	32.5	-	-	32.9	32.7	32.71	-
pH	8.1	8.0	-	-	8.0	8.1	8.04	
D.O. Saturation (%)	96.6	98.8	-	-	99.9	97.0	98.08	-
D.O. (mg/L)	7.4	7.6	-	-	7.7	7.5	7.55	7.58
Turbidity (NTU)	6.1	5.6	-	-	5.9	5.9	5.88	-
SS (mg/L)	8.0	9.0	-	-	9.0	7.0	8.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	11.8	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	12.4	12.4	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/21/08
Weather & Ambient Temperature	Fine, 18C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	16:30-16:31							
Water Depth (m)	16.4							
Monitoring Depth (m)	1.0		8.2		15.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	18.8	18.8	18.8	18.8	18.83	-
Salinity (ppt)	40.9	38.7	39.0	41.2	41.0	36.7	39.57	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	98.9	100.2	99.3	97.3	98.6	101.7	99.33	-
D.O. (mg/L)	7.2	7.4	7.3	7.1	7.2	7.6	7.31	7.41
Turbidity (NTU)	2.2	2.1	4.5	4.1	6.2	6.1	4.20	-
SS (mg/L)	6.0	4.0	6.0	4.0	6.0	4.0	5.00	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	15:05-15:06							
Water Depth (m)	7.0							
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.6	18.6	18.6	18.7	18.66	-
Salinity (ppt)	34.4	34.6	35.0	34.7	34.8	34.9	34.73	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	100.8	100.0	100.6	101.3	102.5	100.7	100.98	-
D.O. (mg/L)	7.7	7.6	7.6	7.7	7.8	7.6	7.67	7.71
Turbidity (NTU)	5.3	5.7	5.1	5.3	5.5	5.9	5.47	-
SS (mg/L)	8.0	6.0	9.0	8.0	7.0	9.0	7.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:45-15:46						Northing	Easting
Water Depth (m)	8.6						22.21.554	113.53.621
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.7	18.5	18.5	18.6	18.6	18.58	-
Salinity (ppt)	36.0	36.3	37.4	37.7	37.8	37.3	37.09	-
pH	8.2	8.1	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	93.4	93.1	93.7	93.4	93.3	94.1	93.50	-
D.O. (mg/L)	7.1	7.0	7.0	7.0	7.0	7.1	7.01	7.01
Turbidity (NTU)	6.6	6.1	6.3	6.2	6.3	6.9	6.40	-
SS (mg/L)	6.0	6.0	9.0	8.0	11.0	8.0	8.00	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	15:31-15:32						Northing	Easting
Water Depth (m)	9.5						22.21.057	113.53.507
Monitoring Depth (m)	1.0		4.7		8.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.6	18.6	18.60	-
Salinity (ppt)	34.2	34.2	35.8	34.7	35.6	35.9	35.07	-
pH	8.1	8.1	8.2	8.1	8.2	8.2	8.15	
D.O. Saturation (%)	97.5	96.0	96.1	98.3	101.6	95.9	97.57	-
D.O. (mg/L)	7.4	7.3	7.3	7.5	7.7	7.2	7.40	7.46
Turbidity (NTU)	7.4	7.5	8.1	7.8	7.9	7.9	7.77	-
SS (mg/L)	10.0	8.0	9.0	7.0	10.0	12.0	9.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:39-15:40							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.6	18.5	18.6	18.6	18.6	18.59	-
Salinity (ppt)	35.3	34.9	35.9	36.9	36.8	35.8	35.93	-
pH	8.1	8.1	8.2	8.2	8.2	8.2	8.16	
D.O. Saturation (%)	94.2	94.2	95.2	94.0	94.2	96.6	94.73	-
D.O. (mg/L)	7.1	7.2	7.2	7.1	7.1	7.3	7.15	7.19
Turbidity (NTU)	5.6	5.9	6.0	5.9	5.9	5.9	5.87	-
SS (mg/L)	7.0	8.0	8.0	10.0	7.0	10.0	8.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	15:23-15:24							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.6	18.7	18.7	18.7	18.69	-
Salinity (ppt)	33.3	33.2	34.1	35.2	35.1	35.2	34.33	-
pH	8.1	8.1	8.1	8.2	8.1	8.1	8.13	
D.O. Saturation (%)	98.6	97.5	100.1	97.8	103.3	98.2	99.25	-
D.O. (mg/L)	7.5	7.5	7.6	7.4	7.8	7.4	7.55	7.62
Turbidity (NTU)	6.9	7.0	7.4	7.5	8.1	8.0	7.48	-
SS (mg/L)	6.0	8.0	7.0	10.0	7.0	9.0	7.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	15:56-15:57							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.7	-	-	18.6	18.6	18.63	-
Salinity (ppt)	34.7	34.6	-	-	35.3	34.9	34.87	-
pH	8.1	8.1	-	-	8.1	8.1	8.13	
D.O. Saturation (%)	93.9	96.4	-	-	95.2	99.5	96.25	-
D.O. (mg/L)	7.1	7.3	-	-	7.2	7.6	7.31	7.39
Turbidity (NTU)	8.2	8.2	-	-	8.0	7.9	8.08	-
SS (mg/L)	9.0	11.0	-	-	10.0	14.0	11.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.5	7.5	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	6.3	NA	Y	Y	Y	Y	N	N	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	8.3	8.3	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/22/08
Weather & Ambient Temperature	Cloudy, 18C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	12:58-13:00							
Water Depth (m)	19.8							
Monitoring Depth (m)	1.0		9.9		18.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.7	18.6	18.7	18.8	18.7	18.8	18.71	-
Salinity (ppt)	38.5	38.1	39.2	40.2	39.8	36.3	38.68	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	93.3	93.7	94.1	93.4	93.8	96.2	94.08	-
D.O. (mg/L)	6.9	7.0	7.0	6.9	6.9	7.2	6.97	7.06
Turbidity (NTU)	6.1	6.0	6.8	6.7	6.6	6.3	6.42	-
SS (mg/L)	9.0	7.0	11.0	12.0	9.0	12.0	10.00	-
Remarks	No dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	12:33-12:33						Northing	Easting
Water Depth (m)	10.5						22.21.505	113.53.344
Monitoring Depth (m)	1.0		5.3		9.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.5	18.4	18.4	18.5	18.4	18.44	-
Salinity (ppt)	34.1	33.7	34.6	34.3	34.3	34.3	34.20	-
pH	8.1	8.1	8.2	8.1	8.1	8.2	8.14	
D.O. Saturation (%)	92.6	91.9	91.9	93.0	92.1	93.8	92.55	-
D.O. (mg/L)	7.1	7.1	7.0	7.1	7.0	7.17	7.08	7.10
Turbidity (NTU)	13.4	10.6	12.2	15.6	11.5	19.0	13.72	-
SS (mg/L)	11.0	10.0	17.0	15.0	15.0	12.0	13.33	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:25-12:26							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.6	18.4	18.5	18.4	18.6	18.51	-
Salinity (ppt)	34.3	34.3	34.3	34.3	34.0	34.5	34.27	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	93.6	94.4	94.5	93.7	94.6	93.9	94.12	-
D.O. (mg/L)	7.1	7.2	7.2	7.2	7.3	7.2	7.19	7.20
Turbidity (NTU)	7.6	7.4	7.4	7.7	7.3	7.5	7.48	-
SS (mg/L)	10.0	13.0	11.0	13.0	11.0	15.0	12.17	-
Remarks	No dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	12:17-12:18						Northing	Easting
Water Depth (m)	8.8						22.20.905	113.53.652
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.4	18.4	18.4	18.4	18.4	18.40	-
Salinity (ppt)	33.6	34.0	34.1	34.5	34.2	34.3	34.13	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	95.6	94.8	96.1	94.7	97.0	94.5	95.45	-
D.O. (mg/L)	7.3	7.3	7.4	7.2	7.4	7.23	7.31	7.33
Turbidity (NTU)	9.1	9.2	10.2	9.3	9.8	9.2	9.47	-
SS (mg/L)	12.0	10.0	14.0	13.0	15.0	14.0	13.00	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:11-12:12							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.5	18.5	18.4	18.4	18.5	18.45	-
Salinity (ppt)	33.2	33.7	32.8	33.4	33.3	33.6	33.33	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	95.7	95.4	95.5	96.1	96.0	95.4	95.68	-
D.O. (mg/L)	7.4	7.3	7.4	7.4	7.4	7.3	7.36	7.35
Turbidity (NTU)	12.6	12.1	12.5	12.7	13.0	12.6	12.58	-
SS (mg/L)	8.0	10.0	13.0	12.0	15.0	11.0	11.50	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	12:40-12:40							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.6	-	-	18.6	18.4	18.52	-
Salinity (ppt)	34.1	33.9	-	-	34.1	34.0	34.03	-
pH	8.2	8.1	-	-	8.2	8.1	8.14	
D.O. Saturation (%)	94.1	94.6	-	-	94.4	98.2	95.33	-
D.O. (mg/L)	7.2	7.2	-	-	7.2	7.5	7.29	7.37
Turbidity (NTU)	6.9	6.9	-	-	7.0	7.5	7.08	-
SS (mg/L)	10.0	10.0	-	-	9.0	11.0	10.00	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.3	NA	Y	Y	Y	Y	N	N	Y	Y	N	N
SS (Depth-averaged)	24.0	37.0	13.0	13.0	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/22/08
Weather & Ambient Temperature	Fine, 16C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	17:37-17:39							
Water Depth (m)	16.4							
Monitoring Depth (m)	1.0		8.2		15.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.8	18.7	18.7	18.7	18.7	18.72	-
Salinity (ppt)	39.9	36.8	36.2	40.2	35.6	39.6	38.06	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	96.3	97.4	97.8	96.2	100.1	97.1	97.48	-
D.O. (mg/L)	7.1	7.3	7.4	7.1	7.6	7.2	7.25	7.36
Turbidity (NTU)	5.2	3.7	7.2	7.1	9.2	7.6	6.67	-
SS (mg/L)	8.0	6.0	9.0	6.0	9.0	7.0	7.50	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)								
Water Depth (m)	6.9							
Monitoring Depth (m)	1.0		3.5		5.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.4	18.5	18.49	-
Salinity (ppt)	33.4	33.2	33.7	34.0	33.6	34.1	33.67	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	101.6	103.2	103.6	101.5	105.5	102.2	102.93	-
D.O. (mg/L)	7.8	7.9	8.0	7.8	8.1	7.8	7.89	7.96
Turbidity (NTU)	6.1	6.0	5.8	6.0	6.5	6.0	6.07	-
SS (mg/L)	11.0	8.0	10.0	11.0	8.0	11.0	9.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	16:52-16:53							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.6	18.5	18.59	-
Salinity (ppt)	34.8	34.3	35.1	34.5	34.8	34.6	34.70	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.15	
D.O. Saturation (%)	94.6	95.3	95.2	95.4	95.4	102.1	96.33	-
D.O. (mg/L)	7.2	7.3	7.2	7.3	7.3	7.8	7.33	7.52
Turbidity (NTU)	5.2	5.3	5.3	5.3	5.3	5.2	5.27	-
SS (mg/L)	7.0	8.0	9.0	12.0	6.0	8.0	8.33	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	16:59-17:0						Northing	Easting
Water Depth (m)	7.0						22.21.386	113.53.176
Monitoring Depth (m)	1.0		3.5		6.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.4	18.6	18.57	-
Salinity (ppt)	33.5	34.4	34.5	34.2	34.2	34.5	34.22	-
pH	8.1	8.2	8.2	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	96.4	94.9	95.2	98.1	100.6	95.4	96.77	-
D.O. (mg/L)	7.4	7.2	7.3	7.5	7.7	7.3	7.39	7.48
Turbidity (NTU)	7.4	7.2	7.8	10.8	10.8	7.3	8.55	-
SS (mg/L)	11.0	7.0	11.0	10.0	10.0	13.0	10.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	16:40-16:41							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.4	18.5	18.5	18.4	18.49	-
Salinity (ppt)	32.3	33.8	33.6	34.1	34.1	33.6	33.59	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	98.7	97.6	99.9	98.3	98.5	102.4	99.23	-
D.O. (mg/L)	7.6	7.5	7.7	7.5	7.5	7.9	7.61	7.70
Turbidity (NTU)	7.8	7.7	8.2	7.5	7.7	8.7	7.93	-
SS (mg/L)	11.0	12.0	10.0	12.0	13.0	10.0	11.33	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	16:48-16:49						Northing	Easting
Water Depth (m)	8.8						22.21.265	113.53.685
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.5	18.6	18.56	-
Salinity (ppt)	34.6	34.5	34.5	34.7	34.2	35.0	34.56	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	95.2	95.2	95.1	95.1	96.3	95.8	95.45	-
D.O. (mg/L)	7.3	7.3	7.2	7.2	7.4	7.3	7.27	7.32
Turbidity (NTU)	6.0	6.2	6.3	6.1	4.7	6.1	5.90	-
SS (mg/L)	9.0	8.0	10.0	8.0	9.0	9.0	8.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	17:05-17:06							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	-	-	18.6	18.6	18.62	-
Salinity (ppt)	34.6	34.6	-	-	35.1	34.6	34.73	-
pH	8.2	8.2	-	-	8.2	8.2	8.16	
D.O. Saturation (%)	94.0	93.7	-	-	94.0	94.7	94.10	-
D.O. (mg/L)	7.2	7.1	-	-	7.1	7.2	7.15	7.17
Turbidity (NTU)	5.8	5.8	-	-	5.8	6.1	5.88	-
SS (mg/L)	8.0	8.0	-	-	8.0	11.0	8.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.7	7.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.6	7.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.3	NA	Y	Y	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	11.3	11.3	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/23/08
Weather & Ambient Temperature	Cloudy, 17C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	11:50-11:52							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.7	18.6	18.61	-
Salinity (ppt)	35.2	36.1	36.6	35.8	36.0	36.9	36.09	-
pH	7.9	8.0	7.9	7.9	7.9	7.9	7.91	
D.O. Saturation (%)	95.8	95.3	94.8	95.0	95.9	96.0	95.47	-
D.O. (mg/L)	7.2	7.2	7.1	7.2	7.3	7.2	7.21	7.25
Turbidity (NTU)	5.3	5.5	14.3	13.2	22.1	20.7	13.52	-
SS (mg/L)	8.0	10.0	13.0	13.0	14.0	14.0	12.00	-
Remarks	No dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	12:20-12:22						Northing	Easting
Water Depth (m)	7.9						22.21.411	113.53.372
Monitoring Depth (m)	1.0		4.0		6.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.5	18.5	18.5	18.4	18.4	18.47	-
Salinity (ppt)	35.9	36.0	36.0	36.0	36.2	36.2	36.05	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.86	
D.O. Saturation (%)	92.5	92.2	93.2	92.9	94.3	93.9	93.17	-
D.O. (mg/L)	7.0	7.0	7.0	7.0	7.1	7.10	7.04	7.12
Turbidity (NTU)	8.0	8.0	9.6	9.3	11.5	11.6	9.67	-
SS (mg/L)	10.0	13.0	11.0	13.0	16.0	17.0	13.33	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:28-12:30							
Water Depth (m)	8.3							
Monitoring Depth (m)	1.0		4.2		7.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.6	18.5	18.6	18.5	18.5	18.54	-
Salinity (ppt)	35.3	35.3	35.4	35.4	35.5	35.6	35.38	-
pH	7.9	7.8	7.9	7.8	7.9	7.8	7.85	
D.O. Saturation (%)	91.9	92.2	92.1	92.6	92.7	93.1	92.43	-
D.O. (mg/L)	7.0	7.0	7.0	7.0	7.0	7.1	7.01	7.05
Turbidity (NTU)	15.6	16.5	17.6	18.8	21.9	20.6	18.50	-
SS (mg/L)	21.0	19.0	31.0	28.0	33.0	32.0	27.33	-
Remarks	No dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	12:36-12:38						Northing	Easting
Water Depth (m)	8.7						22.21.135	113.53.604
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.5	18.5	18.5	18.3	18.2	18.42	-
Salinity (ppt)	35.1	35.1	36.3	36.5	37.0	37.0	36.17	-
pH	7.8	7.8	7.8	7.9	7.9	7.9	7.85	
D.O. Saturation (%)	91.2	91.9	93.3	92.6	92.7	94.1	92.63	-
D.O. (mg/L)	6.9	6.9	7.0	7.0	7.0	7.11	7.00	7.05
Turbidity (NTU)	8.3	8.5	9.3	9.2	10.4	10.9	9.43	-
SS (mg/L)	12.0	13.0	12.0	14.0	8.0	9.0	11.33	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:45-12:47							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.5	18.4	18.5	18.3	18.3	18.42	-
Salinity (ppt)	36.1	36.1	36.4	36.4	36.9	36.8	36.43	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.81	
D.O. Saturation (%)	90.5	90.2	91.2	91.2	92.1	92.1	91.22	-
D.O. (mg/L)	6.8	6.8	6.9	6.9	6.9	7.0	6.88	6.95
Turbidity (NTU)	8.5	8.3	8.6	8.7	9.5	9.8	8.90	-
SS (mg/L)	13.0	12.0	12.0	13.0	10.0	14.0	12.33	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	12:13-12:14							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.6	-	-	18.5	18.6	18.57	-
Salinity (ppt)	34.9	35.0	-	-	35.0	35.0	34.98	-
pH	7.8	7.8	-	-	7.8	7.8	7.81	
D.O. Saturation (%)	94.6	93.5	-	-	94.6	95.5	94.55	-
D.O. (mg/L)	7.2	7.1	-	-	7.2	7.3	7.19	7.24
Turbidity (NTU)	9.3	9.8	-	-	20.3	21.7	15.28	-
SS (mg/L)	12.0	12.0	-	-	23.0	21.0	17.00	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	7.2	7.2	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.2	7.2	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	17.6	NA	N	N	N	N	Y	Y	N	N	N	N
SS (Depth-averaged)	24.0	37.0	15.6	15.6	N	N	N	N	Y	N	N	N	N	N

Sampling Date	01/23/08
Weather & Ambient Temperature	Cloudy, 15C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:06-8:08							
Water Depth (m)	16.1							
Monitoring Depth (m)	1.0		8.1		15.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.6	18.6	18.7	18.7	18.7	18.7	18.66	-
Salinity (ppt)	38.1	38.1	38.3	38.3	38.5	38.5	38.32	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	92.8	92.2	92.3	92.9	92.7	93.3	92.70	-
D.O. (mg/L)	6.9	6.9	6.8	6.9	6.9	6.9	6.89	6.90
Turbidity (NTU)	5.9	5.8	7.0	6.8	8.4	8.8	7.12	-
SS (mg/L)	10.0	13.0	10.0	14.0	13.0	17.0	12.83	-
Remarks	No dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	8:38-8:40							
Water Depth (m)	6.9							
Monitoring Depth (m)	1.0		3.5		5.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.5	18.5	18.5	18.5	18.4	18.45	-
Salinity (ppt)	35.1	35.0	34.6	34.9	34.2	34.4	34.70	-
pH	8.0	8.1	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	92.6	92.9	92.9	93.3	93.6	93.4	93.12	-
D.O. (mg/L)	7.0	7.1	7.0	7.1	7.2	7.1	7.08	7.12
Turbidity (NTU)	7.5	7.4	9.2	8.9	10.7	10.3	9.00	-
SS (mg/L)	12.0	12.0	16.0	11.0	16.0	14.0	13.50	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	9:15-9:16							
Water Depth (m)	7.8							
Monitoring Depth (m)	1.0		3.9		6.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.4	18.5	18.5	18.5	18.5	18.48	-
Salinity (ppt)	35.1	35.0	35.3	35.3	35.6	35.6	35.31	-
pH	7.9	7.9	7.9	7.8	7.9	7.9	7.86	
D.O. Saturation (%)	89.1	88.4	88.1	88.1	89.3	89.8	88.80	-
D.O. (mg/L)	6.8	6.7	6.7	6.7	6.8	6.8	6.74	6.79
Turbidity (NTU)	7.5	7.2	17.8	17.0	21.4	22.5	15.57	-
SS (mg/L)	18.0	14.0	11.0	11.0	33.0	26.0	18.83	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	9:24-9:26						Northing	Easting
Water Depth (m)	7.8						22.21.417	113.53.372
Monitoring Depth (m)	1.0		3.9		6.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.5	18.4	18.5	18.5	18.44	-
Salinity (ppt)	35.0	35.1	35.2	35.2	35.5	35.4	35.22	-
pH	7.8	7.9	7.8	7.9	7.9	7.8	7.84	
D.O. Saturation (%)	88.2	87.9	89.5	88.4	89.5	89.7	88.87	-
D.O. (mg/L)	6.7	6.7	6.8	6.7	6.8	6.8	6.76	6.81
Turbidity (NTU)	9.9	10.8	15.2	15.6	30.4	29.9	18.63	-
SS (mg/L)	11.0	12.0	12.0	14.0	15.0	17.0	13.50	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	8:58-9:00							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.5	18.6	18.6	18.6	18.6	18.54	-
Salinity (ppt)	34.5	34.5	34.2	34.3	34.2	34.2	34.32	-
pH	8.0	8.0	7.9	8.0	7.9	7.9	7.96	
D.O. Saturation (%)	90.2	89.8	90.5	90.6	91.9	92.1	90.85	-
D.O. (mg/L)	6.9	6.8	6.9	6.9	7.0	7.0	6.91	6.99
Turbidity (NTU)	9.8	10.3	16.6	16.3	27.9	26.6	17.92	-
SS (mg/L)	11.0	10.0	11.0	15.0	10.0	11.0	11.33	-
Remarks	No dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	9:07-9:08						Northing	Easting
Water Depth (m)	9.3						22.21.065	113.53.475
Monitoring Depth (m)	1.0		4.7		8.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.5	18.5	18.5	18.6	18.48	-
Salinity (ppt)	35.2	35.2	35.0	35.0	34.8	34.8	35.02	-
pH	7.9	7.9	7.9	7.9	7.8	7.8	7.86	
D.O. Saturation (%)	88.6	89.2	89.0	88.7	89.9	90.4	89.30	-
D.O. (mg/L)	6.7	6.8	6.8	6.7	6.8	6.9	6.78	6.84
Turbidity (NTU)	9.7	9.6	16.9	18.5	26.2	27.1	18.00	-
SS (mg/L)	11.0	12.0	12.0	15.0	15.0	14.0	13.17	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	9:31-9:32							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	18.3	-	-	18.3	18.3	18.32	-
Salinity (ppt)	35.5	35.4	-	-	35.5	35.5	35.50	-
pH	7.9	7.9	-	-	7.9	7.9	7.88	
D.O. Saturation (%)	89.6	89.6	-	-	90.4	90.6	90.05	-
D.O. (mg/L)	6.8	6.8	-	-	6.9	6.9	6.85	6.90
Turbidity (NTU)	19.2	19.9	-	-	33.6	31.6	26.08	-
SS (mg/L)	26.0	26.0	-	-	34.0	33.0	29.75	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.0	7.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	10.5	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	17.1	17.1	N	N	N	N	N	N	N	N	Y	N

Sampling Date	01/24/08
Weather & Ambient Temperature	Rainy, 13C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:01-13:03							
Water Depth (m)	19.8							
Monitoring Depth (m)	1.0		9.9		18.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.5	18.5	18.4	18.5	18.4	18.4	18.44	-
Salinity (ppt)	39.0	39.0	38.7	38.7	38.6	38.6	38.77	-
pH	7.9	7.9	7.8	7.8	7.8	7.8	7.83	
D.O. Saturation (%)	80.6	81.0	81.3	80.7	81.9	81.0	81.08	-
D.O. (mg/L)	5.9	5.9	6.0	5.9	6.0	6.0	5.95	6.00
Turbidity (NTU)	7.8	7.4	14.8	14.8	19.9	20.1	14.13	-
SS (mg/L)	12.0	15.0	13.0	12.0	20.0	21.0	15.50	-
Remarks	No dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	13:17-13:19						Northing	Easting
Water Depth (m)	22.6						22.22.095	113.54.873
Monitoring Depth (m)	1.0		11.3		21.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.3	18.3	18.3	18.3	18.2	18.3	18.29	-
Salinity (ppt)	39.9	39.9	39.5	39.5	39.4	39.2	39.56	-
pH	7.9	7.9	7.8	7.8	7.8	7.8	7.84	
D.O. Saturation (%)	81.4	80.8	81.6	81.1	82.5	81.2	81.43	-
D.O. (mg/L)	6.0	5.9	6.0	5.9	6.1	5.93	5.96	6.00
Turbidity (NTU)	8.6	8.2	19.2	18.9	23.1	22.8	16.80	-
SS (mg/L)	17.0	19.0	15.0	16.0	15.0	14.0	16.00	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:35-12:37							
Water Depth (m)	7.6							
Monitoring Depth (m)	1.0		3.8		6.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.3	18.3	18.3	18.3	18.2	18.2	18.29	-
Salinity (ppt)	39.4	39.3	39.1	39.2	39.6	39.7	39.36	-
pH	7.9	7.9	7.8	7.8	7.8	7.8	7.85	
D.O. Saturation (%)	87.9	86.7	87.6	88.5	87.9	89.5	88.02	-
D.O. (mg/L)	6.5	6.4	6.5	6.5	6.5	6.6	6.47	6.53
Turbidity (NTU)	14.5	13.2	18.6	18.3	21.4	22.5	18.08	-
SS (mg/L)	20.0	21.0	17.0	21.0	16.0	17.0	18.67	-
Remarks	No dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	13:30-13:32						Northing	Easting
Water Depth (m)	20.2						22.21.596	113.55.597
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.6	18.6	18.6	18.6	18.6	18.6	18.57	-
Salinity (ppt)	39.4	39.4	39.3	39.3	39.3	39.2	39.33	-
pH	7.9	7.9	7.8	7.8	7.8	7.8	7.82	
D.O. Saturation (%)	78.3	77.8	77.3	77.6	78.2	77.8	77.83	-
D.O. (mg/L)	5.7	5.7	5.6	5.7	5.7	5.67	5.68	5.70
Turbidity (NTU)	4.0	3.8	6.8	6.6	7.6	7.6	6.07	-
SS (mg/L)	7.0	8.0	10.0	12.0	10.0	11.0	9.67	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:26-12:28							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.1	18.1	18.0	18.0	18.0	18.0	18.04	-
Salinity (ppt)	38.6	38.6	39.0	39.1	39.3	39.4	38.98	-
pH	8.0	8.0	8.0	8.0	8.0	7.9	7.97	
D.O. Saturation (%)	93.9	92.0	92.6	94.5	93.6	96.2	93.80	-
D.O. (mg/L)	6.9	6.8	6.9	7.0	6.9	7.0	6.91	6.96
Turbidity (NTU)	7.6	7.7	10.7	11.8	16.3	15.4	11.58	-
SS (mg/L)	10.0	11.0	11.0	9.0	8.0	9.0	9.67	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	12:44-12:45							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.3	18.3	-	-	18.3	18.3	18.29	-
Salinity (ppt)	39.2	39.2	-	-	39.3	39.3	39.24	-
pH	7.8	7.8	-	-	7.8	7.7	7.78	
D.O. Saturation (%)	87.4	87.2	-	-	88.4	88.9	87.98	-
D.O. (mg/L)	6.4	6.4	-	-	6.6	6.5	6.48	6.54
Turbidity (NTU)	11.1	12.8	-	-	19.1	19.8	15.70	-
SS (mg/L)	17.0	17.0	-	-	16.0	19.0	17.25	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.0	6.0	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.0	6.0	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	18.4	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	20.2	20.2	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/24/08
Weather & Ambient Temperature	Rainy, 11C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	8:44-8:46							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.8	18.9	18.9	18.9	18.9	18.89	-
Salinity (ppt)	35.1	35.0	35.9	36.0	36.3	36.4	35.76	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	82.3	82.1	82.7	82.7	83.2	83.7	82.78	-
D.O. (mg/L)	6.1	6.1	6.1	6.1	6.2	6.2	6.14	6.17
Turbidity (NTU)	4.8	4.3	17.0	16.9	19.3	20.1	13.73	-
SS (mg/L)	8.0	6.0	14.0	10.0	17.0	16.0	11.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	9:59-10:01							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.5	18.6	18.7	18.6	18.9	18.9	18.67	-
Salinity (ppt)	38.2	38.3	38.3	38.3	38.4	38.4	38.33	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.82	
D.O. Saturation (%)	81.1	80.7	82.7	82.3	85.4	83.7	82.65	-
D.O. (mg/L)	6.0	5.9	6.1	6.1	6.3	6.2	6.08	6.21
Turbidity (NTU)	15.1	15.4	18.1	17.4	22.4	21.9	18.38	-
SS (mg/L)	26.0	26.0	25.0	27.0	19.0	22.0	24.17	-
Remarks	Dredging works and brownish water color were observed.							

Station	MPB1							
Time (hh:mm)	9:32-9:34							
Water Depth (m)	7.2							
Monitoring Depth (m)	1.0		3.6		6.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.7	18.7	18.6	18.6	18.65	-
Salinity (ppt)	37.7	36.7	37.0	36.9	37.2	37.3	37.14	-
pH	7.8	7.8	7.8	7.8	7.7	7.7	7.77	
D.O. Saturation (%)	73.5	73.7	73.8	73.5	75.0	73.8	73.88	-
D.O. (mg/L)	5.4	5.5	5.5	5.4	5.6	5.4	5.45	5.49
Turbidity (NTU)	8.0	7.6	8.9	9.1	11.3	10.7	9.27	-
SS (mg/L)	11.0	11.0	10.0	11.0	10.0	12.0	10.83	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	9:06-9:08						Northing	Easting
Water Depth (m)	21.8						22.22.060	113.54.879
Monitoring Depth (m)	1.0		10.9		20.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	19.4	19.4	19.0	19.0	18.9	18.9	19.10	-
Salinity (ppt)	38.1	37.9	38.9	38.9	39.3	39.9	38.83	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.90	
D.O. Saturation (%)	74.4	74.8	76.0	76.8	77.6	78.3	76.32	-
D.O. (mg/L)	5.4	5.4	5.5	5.5	5.7	5.7	5.53	5.66
Turbidity (NTU)	3.8	4.2	13.7	14.5	26.8	27.2	15.03	-
SS (mg/L)	9.0	6.0	9.0	8.0	9.0	8.0	8.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	9:42-9:44							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.7	18.7	18.8	18.8	18.9	18.8	18.79	-
Salinity (ppt)	37.4	37.4	37.6	37.7	38.0	38.1	37.68	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.79	
D.O. Saturation (%)	75.0	73.9	75.2	76.9	78.7	75.9	75.93	-
D.O. (mg/L)	5.5	5.4	5.5	5.6	5.8	5.6	5.57	5.66
Turbidity (NTU)	7.2	7.6	11.0	10.7	18.3	17.6	12.07	-
SS (mg/L)	10.0	11.0	10.0	11.0	10.0	11.0	10.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	8:56-8:58						Northing	Easting
Water Depth (m)	19.5						22.21.592	113.55.620
Monitoring Depth (m)	1.0		9.7		18.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.9	18.9	19.0	19.0	19.0	19.0	18.96	-
Salinity (ppt)	35.7	35.7	37.2	37.2	37.4	37.5	36.77	-
pH	8.0	8.0	8.0	8.0	7.9	7.9	7.99	
D.O. Saturation (%)	76.0	75.7	75.8	76.6	78.3	76.8	76.53	-
D.O. (mg/L)	5.6	5.6	5.6	5.6	5.8	5.6	5.63	5.70
Turbidity (NTU)	6.1	5.7	11.2	10.6	14.1	15.4	10.52	-
SS (mg/L)	10.0	7.0	11.0	8.0	9.0	9.0	9.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	9:23-9:25							
Water Depth (m)	5.5							
Monitoring Depth (m)	1.0		2.8		4.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.8	18.8	-	-	18.9	18.9	18.85	-
Salinity (ppt)	37.1	37.1	-	-	37.3	37.4	37.20	-
pH	7.8	7.8	-	-	7.8	7.8	7.77	
D.O. Saturation (%)	79.3	79.0	-	-	81.2	79.7	79.80	-
D.O. (mg/L)	5.9	5.8	-	-	6.0	5.9	5.89	5.93
Turbidity (NTU)	10.1	11.5	-	-	21.7	20.5	15.95	-
SS (mg/L)	12.0	14.0	-	-	14.0	14.0	13.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.2	6.2	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.1	6.1	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	20.9	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	23.4	23.4	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/25/08
Weather & Ambient Temperature	Rainy, 12C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	13:46-13:48							
Water Depth (m)	20.6							
Monitoring Depth (m)	1.0		10.3		19.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.0	18.0	18.0	18.0	18.0	18.03	-
Salinity (ppt)	40.4	40.4	41.1	42.1	38.7	41.8	40.75	-
pH	8.0	7.9	7.9	8.0	7.8	8.0	7.93	
D.O. Saturation (%)	86.5	88.5	89.8	87.0	91.3	87.2	88.38	-
D.O. (mg/L)	6.4	6.6	6.7	6.4	6.9	6.4	6.55	6.64
Turbidity (NTU)	7.4	6.6	9.2	9.3	11.1	10.8	9.07	-
SS (mg/L)	10.0	13.0	8.0	8.0	10.0	12.0	10.17	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	14:02-14:04						Northing	Easting
Water Depth (m)	22.2						22.21.930	113.55.051
Monitoring Depth (m)	1.0		11.1		21.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.1	18.0	18.1	18.1	18.0	18.1	18.07	-
Salinity (ppt)	42.2	40.9	41.3	41.3	42.3	41.8	41.64	-
pH	8.0	7.9	8.0	7.8	7.8	7.9	7.89	
D.O. Saturation (%)	84.8	87.9	85.1	88.4	92.3	85.9	87.40	-
D.O. (mg/L)	6.2	6.5	6.3	6.5	6.8	6.32	6.44	6.55
Turbidity (NTU)	16.4	16.6	17.2	17.7	17.8	17.2	17.15	-
SS (mg/L)	6.0	7.0	6.0	9.0	6.0	8.0	7.00	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	14:08-14:09						Northing	Easting
Water Depth (m)	21.0						22.21.707	113.55.323
Monitoring Depth (m)	1.0		10.5		20.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.3	18.3	18.3	18.3	18.3	18.1	18.27	-
Salinity (ppt)	42.9	42.5	42.8	42.0	40.3	42.8	42.20	-
pH	7.8	7.9	7.9	7.8	7.8	7.8	7.84	
D.O. Saturation (%)	75.8	74.7	74.4	76.0	74.3	77.7	75.48	-
D.O. (mg/L)	5.5	5.5	5.4	5.6	5.5	5.68	5.52	5.59
Turbidity (NTU)	7.4	7.4	9.1	8.5	7.6	8.0	8.00	-
SS (mg/L)	7.0	8.0	9.0	10.0	7.0	10.0	8.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:22-13:23							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	17.8	17.8	17.8	17.7	17.8	17.5	17.72	-
Salinity (ppt)	35.5	37.2	37.5	36.6	37.4	34.6	36.47	-
pH	7.9	7.8	7.9	7.9	7.9	7.8	7.85	
D.O. Saturation (%)	95.2	90.9	91.6	96.6	92.6	100.6	94.58	-
D.O. (mg/L)	7.3	6.9	7.0	7.4	7.0	7.8	7.24	7.43
Turbidity (NTU)	8.8	9.1	11.7	11.9	13.3	13.3	11.35	-
SS (mg/L)	10.0	7.0	10.0	6.0	10.0	7.0	8.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:14-13:15							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	17.7	17.7	17.7	17.7	17.7	17.5	17.66	-
Salinity (ppt)	37.2	37.6	37.5	38.1	38.0	37.1	37.58	-
pH	7.9	8.0	7.9	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	94.2	92.8	94.8	93.1	93.5	98.9	94.55	-
D.O. (mg/L)	7.2	7.1	7.2	7.1	7.1	7.6	7.19	7.33
Turbidity (NTU)	12.0	11.6	14.7	14.3	15.5	15.6	13.95	-
SS (mg/L)	10.0	10.0	7.0	8.0	9.0	10.0	9.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:30-13:30							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	17.9	17.9	-	-	17.8	17.9	17.88	-
Salinity (ppt)	36.5	36.3	-	-	36.1	36.5	36.37	-
pH	7.8	7.8	-	-	7.8	7.8	7.82	
D.O. Saturation (%)	90.5	92.8	-	-	95.4	91.2	92.48	-
D.O. (mg/L)	6.9	7.1	-	-	7.3	7.0	7.06	7.13
Turbidity (NTU)	14.7	14.9	-	-	15.7	15.8	15.28	-
SS (mg/L)	14.0	14.0	-	-	17.0	14.0	14.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	6.6	6.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.6	6.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	11.8	NA	Y	Y	N	N	N	N	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	13.2	13.2	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/25/08
Weather & Ambient Temperature	Rainy, 11C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	9:16-9:17							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	18.2	18.2	18.2	18.3	18.2	18.24	-
Salinity (ppt)	36.2	41.5	42.1	40.1	41.4	42.3	40.59	-
pH	8.0	8.1	8.1	8.0	8.0	8.1	8.05	
D.O. Saturation (%)	88.7	88.7	88.6	88.8	90.0	88.3	88.85	-
D.O. (mg/L)	6.7	6.5	6.5	6.6	6.6	6.5	6.57	6.54
Turbidity (NTU)	6.6	6.1	9.7	9.5	10.6	10.2	8.78	-
SS (mg/L)	6.0	9.0	8.0	9.0	9.0	11.0	8.67	-
Remarks	No dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	10:28-10:28							
Water Depth (m)	7.4							
Monitoring Depth (m)	1.0		3.7		6.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.7	17.7	17.6	17.7	17.6	17.7	17.65	-
Salinity (ppt)	41.2	41.4	41.8	41.3	42.0	41.2	41.47	-
pH	7.7	7.7	7.7	7.7	7.7	7.7	7.73	
D.O. Saturation (%)	90.1	91.0	91.4	90.3	91.8	90.5	90.85	-
D.O. (mg/L)	6.7	6.8	6.8	6.7	6.8	6.7	6.76	6.78
Turbidity (NTU)	13.0	13.7	15.3	15.5	15.9	15.9	14.88	-
SS (mg/L)	12.0	14.0	12.0	13.0	13.0	11.0	12.50	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	9:36-9:37						Northing	Easting
Water Depth (m)	21.2						22.21.898	113.55.080
Monitoring Depth (m)	1.0		10.6		20.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.8	18.4	18.3	19.0	18.3	18.4	18.54	-
Salinity (ppt)	40.1	40.5	40.7	39.0	40.6	40.7	40.27	-
pH	7.9	7.8	7.8	7.9	7.8	7.9	7.85	
D.O. Saturation (%)	76.2	82.6	83.7	79.6	85.7	81.9	81.62	-
D.O. (mg/L)	5.6	6.1	6.2	5.9	6.3	6.0	6.01	6.18
Turbidity (NTU)	9.2	9.5	15.5	15.1	14.9	15.0	13.20	-
SS (mg/L)	11.0	12.0	8.0	12.0	10.0	13.0	11.00	-
Remarks	No dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	9:30-9:32						Northing	Easting
Water Depth (m)	21.6						22.21.622	113.55.343
Monitoring Depth (m)	1.0		10.8		20.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	18.4	18.4	18.3	18.4	18.3	18.35	-
Salinity (ppt)	40.5	39.2	40.2	40.0	40.3	41.3	40.26	-
pH	8.0	8.1	8.0	7.9	8.0	7.9	7.99	
D.O. Saturation (%)	86.8	84.4	84.6	87.3	85.6	89.6	86.38	-
D.O. (mg/L)	6.4	6.3	6.3	6.5	6.3	6.6	6.38	6.46
Turbidity (NTU)	9.7	10.1	14.7	14.5	15.1	15.8	13.32	-
SS (mg/L)	8.0	10.0	8.0	11.0	11.0	10.0	9.67	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	10:02-10:03							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.1	18.1	18.1	18.1	18.1	18.1	18.12	-
Salinity (ppt)	40.6	40.8	40.8	40.8	40.9	40.7	40.77	-
pH	7.9	7.8	7.9	7.8	7.9	7.8	7.84	
D.O. Saturation (%)	84.5	85.4	84.6	85.9	84.8	87.0	85.37	-
D.O. (mg/L)	6.3	6.3	6.3	6.4	6.3	6.4	6.32	6.36
Turbidity (NTU)	8.7	8.6	9.3	9.4	8.2	8.1	8.72	-
SS (mg/L)	11.0	10.0	13.0	9.0	11.0	10.0	10.67	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	10:10-10:11							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.1	18.0	18.1	18.1	18.1	17.9	18.04	-
Salinity (ppt)	40.7	40.6	40.8	40.8	40.9	40.9	40.77	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.81	
D.O. Saturation (%)	85.5	87.5	85.8	88.7	86.7	92.5	87.78	-
D.O. (mg/L)	6.3	6.5	6.4	6.6	6.4	6.9	6.51	6.64
Turbidity (NTU)	8.3	8.7	9.5	9.6	9.8	9.1	9.17	-
SS (mg/L)	11.0	9.0	11.0	9.0	11.0	9.0	10.00	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	9:54-9:54							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.2	18.3	-	-	17.9	18.3	18.16	-
Salinity (ppt)	40.7	40.5	-	-	31.2	40.7	38.25	-
pH	7.8	7.8	-	-	7.8	7.8	7.78	
D.O. Saturation (%)	85.9	82.0	-	-	92.4	83.6	85.98	-
D.O. (mg/L)	6.4	6.1	-	-	7.3	6.2	6.47	6.72
Turbidity (NTU)	14.1	13.7	-	-	18.7	18.1	16.15	-
SS (mg/L)	23.0	18.0	-	-	18.0	16.0	18.75	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.7	6.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.7	6.7	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	15.4	NA	N	N	N	N	N	N	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	13.8	13.8	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/26/08
Weather & Ambient Temperature	Rainy, 12C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	14:13-14:16							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.2	18.2	18.2	18.2	18.1	18.1	18.16	-
Salinity (ppt)	36.5	36.8	36.4	36.8	36.8	36.6	36.65	-
pH	7.7	7.8	7.7	7.8	7.8	7.6	7.74	
D.O. Saturation (%)	78.2	77.9	78.7	78.9	79.5	79.4	78.77	-
D.O. (mg/L)	5.5	5.5	5.6	5.6	5.6	5.6	5.55	5.61
Turbidity (NTU)	7.9	8.1	14.6	14.9	17.2	17.2	13.32	-
SS (mg/L)	21.0	19.0	24.0	25.0	29.0	23.0	23.50	-
Remarks	Dredging works was observed.							

Station	IMO1						**Co-ordinates**	
Time (hh:mm)	14:31-14:34						Northing	Easting
Water Depth (m)	20.4						22.21.666	113.54.833
Monitoring Depth (m)	1.0		10.2		19.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.1	18.0	18.0	18.0	18.0	18.02	-
Salinity (ppt)	37.1	37.1	37.2	37.2	37.4	37.4	37.22	-
pH	8.0	7.9	7.9	8.0	8.0	7.9	7.95	
D.O. Saturation (%)	82.4	81.7	82.6	82.4	82.7	83.4	82.53	-
D.O. (mg/L)	5.8	5.8	5.8	5.8	5.8	5.88	5.82	5.86
Turbidity (NTU)	10.0	10.3	13.9	13.7	16.7	17.1	13.62	-
SS (mg/L)	15.0	12.0	23.0	19.0	21.0	20.0	18.33	-
Remarks	Dredging works was observed.							

Station	IMO2						**Co-ordinates**	
Time (hh:mm)	14:40-14:42						Northing	Easting
Water Depth (m)	18.4						22.21.924	113.55.362
Monitoring Depth (m)	1.0		9.2		17.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.2	18.2	18.3	18.3	18.3	18.3	18.26	-
Salinity (ppt)	37.4	37.4	37.4	37.4	37.6	37.6	37.47	-
pH	8.2	8.2	8.2	8.1	8.2	8.2	8.16	
D.O. Saturation (%)	77.5	78.5	77.0	78.3	79.9	78.0	78.20	-
D.O. (mg/L)	5.4	5.5	5.4	5.5	5.6	5.51	5.49	5.55
Turbidity (NTU)	4.1	4.3	4.6	4.6	4.9	4.8	4.55	-
SS (mg/L)	8.0	8.0	10.0	7.0	10.0	8.0	8.50	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	13:48-13:50							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.1	18.1	18.1	18.1	18.1	18.1	18.06	-
Salinity (ppt)	36.1	36.1	36.1	36.1	36.2	36.1	36.11	-
pH	7.8	7.8	7.8	7.7	7.8	7.7	7.79	
D.O. Saturation (%)	78.1	77.3	78.3	78.9	78.8	79.9	78.55	-
D.O. (mg/L)	5.6	5.5	5.5	5.6	5.6	5.7	5.57	5.63
Turbidity (NTU)	9.8	10.1	12.8	12.7	13.2	13.6	12.03	-
SS (mg/L)	13.0	18.0	14.0	16.0	15.0	17.0	15.50	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	13:39-13:41							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.0	17.8	17.8	17.8	17.8	17.86	-
Salinity (ppt)	35.9	35.9	36.2	36.2	36.3	36.4	36.14	-
pH	7.9	7.8	7.8	8.0	7.9	7.7	7.86	
D.O. Saturation (%)	78.5	81.8	83.0	79.4	80.3	83.5	81.08	-
D.O. (mg/L)	5.6	5.8	5.8	5.6	5.7	5.9	5.72	5.77
Turbidity (NTU)	5.5	5.0	10.7	10.7	14.8	15.1	10.30	-
SS (mg/L)	8.0	8.0	11.0	8.0	13.0	9.0	9.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	13:57-13:58							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		3.0		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	***Depth-averaged***	***Bottom***
Water Temperature (°C)	18.0	18.0	-	-	18.1	18.1	18.05	-
Salinity (ppt)	36.1	36.1	-	-	36.2	36.2	36.15	-
pH	7.8	7.7	-	-	7.7	7.8	7.73	
D.O. Saturation (%)	76.2	76.8	-	-	77.9	77.2	77.03	-
D.O. (mg/L)	5.4	5.5	-	-	5.5	5.5	5.46	5.49
Turbidity (NTU)	8.7	8.4	-	-	13.1	12.7	10.73	-
SS (mg/L)	18.0	18.0	-	-	12.0	15.0	15.75	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	**As in EM&A**		**C2 Mean**		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	**Limit Level**	**Action Level**	**Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action Level**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**	**Exceedance of Action**	**Exceedance of Limit Level**
DO (Bottom)	4.2	4.0	5.6	5.6	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	5.6	5.6	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	17.3	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	30.6	30.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/26/08
Weather & Ambient Temperature	Rainy, 11C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	9:45-9:48							
Water Depth (m)	17.0							
Monitoring Depth (m)	1.0		8.5		16.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.5	18.5	18.5	18.5	18.44	-
Salinity (ppt)	36.7	36.7	36.4	36.4	35.9	36.0	36.35	-
pH	7.9	8.0	7.9	8.0	7.9	8.0	7.94	
D.O. Saturation (%)	74.8	75.2	75.3	74.9	76.1	75.3	75.27	-
D.O. (mg/L)	5.3	5.3	5.4	5.3	5.4	5.4	5.35	5.39
Turbidity (NTU)	8.9	9.3	13.7	13.3	15.8	15.5	12.75	-
SS (mg/L)	14.0	14.0	14.0	15.0	18.0	20.0	15.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:00-11:02							
Water Depth (m)	6.4							
Monitoring Depth (m)	1.0		3.2		5.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.8	17.8	17.8	17.8	17.8	17.8	17.80	-
Salinity (ppt)	36.6	36.5	36.3	36.3	36.2	36.2	36.35	-
pH	7.7	7.7	7.7	7.7	7.7	7.7	7.71	
D.O. Saturation (%)	77.6	78.0	79.0	78.5	79.5	80.5	78.85	-
D.O. (mg/L)	5.5	5.5	5.6	5.5	5.6	5.7	5.54	5.62
Turbidity (NTU)	10.2	9.6	10.5	10.9	11.1	11.0	10.55	-
SS (mg/L)	11.0	14.0	12.0	12.0	16.0	12.0	12.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	10:34-10:36							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.3	18.3	18.3	18.3	18.3	18.3	18.29	-
Salinity (ppt)	37.0	37.0	36.9	36.9	36.9	36.8	36.92	-
pH	7.7	7.8	7.7	7.8	7.7	7.8	7.74	
D.O. Saturation (%)	75.9	76.5	77.5	78.2	79.0	79.2	77.72	-
D.O. (mg/L)	5.4	5.4	5.5	5.5	5.6	5.6	5.51	5.61
Turbidity (NTU)	6.2	6.3	8.1	8.3	9.1	8.6	7.77	-
SS (mg/L)	12.0	9.0	9.0	9.0	12.0	9.0	10.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:08-10:10						Northing	Easting
Water Depth (m)	22.2						22.22.039	113.54.847
Monitoring Depth (m)	1.0		11.1		21.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.5	18.5	18.5	18.5	18.47	-
Salinity (ppt)	36.9	36.8	36.7	36.6	36.3	36.4	36.61	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.78	
D.O. Saturation (%)	74.0	73.9	74.4	74.1	75.2	75.5	74.52	-
D.O. (mg/L)	5.3	5.2	5.3	5.3	5.3	5.4	5.28	5.34
Turbidity (NTU)	5.1	5.3	15.0	16.7	21.3	21.1	14.08	-
SS (mg/L)	17.0	16.0	18.0	18.0	24.0	28.0	20.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	10:42-10:44							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.1	18.1	18.2	18.2	18.2	18.2	18.16	-
Salinity (ppt)	36.8	36.8	36.6	36.6	36.4	36.4	36.60	-
pH	7.7	7.7	7.7	7.7	7.7	7.7	7.69	
D.O. Saturation (%)	76.0	75.5	76.6	76.6	77.5	77.0	76.53	-
D.O. (mg/L)	5.4	5.4	5.4	5.4	5.5	5.5	5.43	5.48
Turbidity (NTU)	6.8	6.6	11.3	11.9	13.1	12.3	10.33	-
SS (mg/L)	12.0	10.0	11.0	10.0	15.0	11.0	11.50	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	9:57-10:00						Northing	Easting
Water Depth (m)	20.8						22.21.588	113.53.544
Monitoring Depth (m)	1.0		10.4		19.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.4	18.4	18.4	18.4	18.4	18.4	18.40	-
Salinity (ppt)	36.8	36.8	36.5	36.5	36.2	36.3	36.51	-
pH	7.9	7.9	7.9	7.9	7.9	7.8	7.90	
D.O. Saturation (%)	75.3	76.7	75.9	75.5	76.4	76.0	75.97	-
D.O. (mg/L)	5.3	5.4	5.4	5.4	5.4	5.4	5.40	5.42
Turbidity (NTU)	10.4	9.8	11.3	11.9	14.0	13.1	11.75	-
SS (mg/L)	12.0	16.0	14.0	16.0	19.0	18.0	15.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	10:25-10:27							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	18.2	18.2	-	-	18.1	18.1	18.15	-
Salinity (ppt)	36.7	36.7	-	-	36.5	36.5	36.63	-
pH	7.7	7.7	-	-	7.7	7.7	7.72	
D.O. Saturation (%)	77.0	77.5	-	-	77.8	77.7	77.50	-
D.O. (mg/L)	5.5	5.5	-	-	5.5	5.6	5.53	5.56
Turbidity (NTU)	12.6	12.4	-	-	16.8	15.6	14.35	-
SS (mg/L)	18.0	15.0	-	-	15.0	16.0	16.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	5.5	5.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	5.4	5.4	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	15.1	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	18.6	18.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/27/08
Weather & Ambient Temperature	Rainy, 12C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	14:44-14:46							
Water Depth (m)	20.4							
Monitoring Depth (m)	1.0		10.2		19.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.2	17.2	17.0	17.0	17.0	17.0	17.06	-
Salinity (ppt)	36.1	36.1	36.0	36.1	36.1	36.0	36.08	-
pH	7.9	7.8	7.8	7.9	7.9	7.8	7.83	
D.O. Saturation (%)	93.5	93.4	93.9	93.9	93.9	94.4	93.83	-
D.O. (mg/L)	7.2	7.2	7.3	7.3	7.3	7.4	7.28	7.33
Turbidity (NTU)	7.6	7.3	12.8	12.5	17.8	18.2	12.70	-
SS (mg/L)	7.0	8.0	7.0	6.0	8.0	6.0	7.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	15:03-15:05						Northing	Easting
Water Depth (m)	20.4						22.21.714	113.54.834
Monitoring Depth (m)	1.0		10.2		19.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.1	17.1	17.1	17.1	17.0	17.0	17.08	-
Salinity (ppt)	36.2	36.2	36.2	36.2	36.3	36.3	36.24	-
pH	7.6	7.6	7.6	7.5	7.6	7.5	7.58	
D.O. Saturation (%)	93.9	93.5	93.9	94.7	94.0	95.6	94.27	-
D.O. (mg/L)	7.3	7.3	7.3	7.3	7.3	7.41	7.31	7.36
Turbidity (NTU)	9.8	9.3	12.9	12.8	15.2	14.5	12.42	-
SS (mg/L)	12.0	14.0	17.0	16.0	18.0	19.0	16.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	14:19-14:21							
Water Depth (m)	8.4							
Monitoring Depth (m)	1.0		4.2		7.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	17.0	17.0	17.00	-
Salinity (ppt)	35.4	35.4	35.5	35.5	35.6	35.6	35.48	-
pH	7.7	7.8	7.7	7.8	7.7	7.7	7.72	
D.O. Saturation (%)	93.5	93.5	94.3	93.6	95.4	94.2	94.08	-
D.O. (mg/L)	7.3	7.3	7.4	7.3	7.4	7.4	7.34	7.40
Turbidity (NTU)	8.9	8.8	9.8	9.9	12.3	12.1	10.30	-
SS (mg/L)	15.0	13.0	15.0	11.0	22.0	19.0	15.83	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	15:13-15:15						Northing	Easting
Water Depth (m)	18.8						22.21.895	113.55.403
Monitoring Depth (m)	1.0		9.4		17.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.3	17.3	17.3	17.3	17.4	17.4	17.33	-
Salinity (ppt)	36.3	36.3	36.3	36.3	36.4	36.4	36.35	-
pH	7.8	7.8	7.8	7.8	7.8	7.7	7.77	
D.O. Saturation (%)	91.6	92.0	91.7	92.2	92.5	92.0	92.00	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.1	7.09	7.10	7.11
Turbidity (NTU)	4.9	5.2	7.6	7.2	8.4	8.5	6.97	-
SS (mg/L)	9.0	9.0	9.0	12.0	9.0	12.0	10.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	14:11-14:13							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	17.0	17.0	16.99	-
Salinity (ppt)	35.5	35.4	35.4	35.5	35.6	35.5	35.47	-
pH	7.7	7.8	7.7	7.6	7.7	7.7	7.70	
D.O. Saturation (%)	93.6	93.6	93.9	94.5	95.7	95.2	94.42	-
D.O. (mg/L)	7.3	7.3	7.3	7.4	7.5	7.4	7.37	7.44
Turbidity (NTU)	4.7	4.9	6.6	6.8	7.9	7.7	6.43	-
SS (mg/L)	12.0	12.0	9.0	11.0	10.0	13.0	11.17	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	14:28-14:29							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.9		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.8	16.8	-	-	16.8	16.8	16.77	-
Salinity (ppt)	35.2	35.2	-	-	35.2	35.3	35.25	-
pH	7.7	7.7	-	-	7.7	7.7	7.72	
D.O. Saturation (%)	93.3	92.9	-	-	93.8	93.4	93.35	-
D.O. (mg/L)	7.3	7.3	-	-	7.4	7.3	7.33	7.35
Turbidity (NTU)	8.5	8.2	-	-	20.7	21.4	14.70	-
SS (mg/L)	12.0	11.0	-	-	11.0	12.0	11.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.3	7.3	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.3	7.3	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	16.5	NA	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	9.1	9.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/27/08
Weather & Ambient Temperature	Rainy, 10C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	10:13-10:15							
Water Depth (m)	16.6							
Monitoring Depth (m)	1.0		8.3		15.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.4	17.4	17.4	17.3	17.3	17.4	17.35	-
Salinity (ppt)	35.3	35.4	35.4	35.4	35.5	35.4	35.39	-
pH	8.3	8.3	8.2	8.3	8.3	8.2	8.26	
D.O. Saturation (%)	92.6	92.7	93.0	92.6	92.8	93.7	92.90	-
D.O. (mg/L)	7.2	7.2	7.2	7.2	7.3	7.3	7.21	7.26
Turbidity (NTU)	4.7	4.9	5.4	5.2	7.2	6.9	5.72	-
SS (mg/L)	12.0	10.0	17.0	11.0	12.0	9.0	11.83	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	11:28-11:30							
Water Depth (m)	7.2							
Monitoring Depth (m)	1.0		3.6		6.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.6	16.6	16.6	16.6	16.6	16.6	16.61	-
Salinity (ppt)	36.2	36.2	36.2	36.2	36.4	36.4	36.27	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.77	
D.O. Saturation (%)	95.5	95.2	95.5	95.0	95.8	95.5	95.42	-
D.O. (mg/L)	7.5	7.5	7.5	7.4	7.5	7.5	7.47	7.49
Turbidity (NTU)	8.2	7.9	8.8	8.6	10.2	9.6	8.88	-
SS (mg/L)	13.0	11.0	12.0	14.0	12.0	16.0	13.00	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:02-11:04							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.9	17.0	17.0	17.0	17.0	17.0	16.96	-
Salinity (ppt)	35.3	35.3	35.4	35.4	35.4	35.4	35.37	-
pH	7.8	7.8	7.8	7.8	7.8	7.8	7.79	
D.O. Saturation (%)	93.0	92.9	93.1	93.0	93.5	94.1	93.27	-
D.O. (mg/L)	7.3	7.3	7.3	7.3	7.3	7.4	7.29	7.34
Turbidity (NTU)	5.6	5.3	6.1	6.2	7.1	7.2	6.25	-
SS (mg/L)	9.0	7.0	8.0	7.0	12.0	11.0	9.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	10:36-10:38						Northing	Easting
Water Depth (m)	21.6						22.22.023	113.54.865
Monitoring Depth (m)	1.0		10.8		20.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.3	17.3	17.2	17.2	17.3	17.3	17.26	-
Salinity (ppt)	35.7	35.7	35.7	35.7	35.7	35.7	35.71	-
pH	8.0	8.0	8.0	7.9	7.9	8.0	7.94	
D.O. Saturation (%)	93.3	93.0	93.4	93.8	94.7	93.8	93.67	-
D.O. (mg/L)	7.2	7.2	7.3	7.3	7.3	7.3	7.26	7.30
Turbidity (NTU)	7.2	7.5	9.8	9.8	11.0	11.7	9.50	-
SS (mg/L)	10.0	10.0	14.0	13.0	14.0	12.0	12.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:10-11:12							
Water Depth (m)	9.4							
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	17.0	17.0	16.99	-
Salinity (ppt)	35.4	35.4	35.4	35.4	35.4	35.4	35.40	-
pH	7.8	7.8	7.7	7.8	7.7	7.8	7.76	
D.O. Saturation (%)	93.5	93.6	93.9	93.9	95.1	94.7	94.12	-
D.O. (mg/L)	7.3	7.3	7.3	7.3	7.4	7.4	7.35	7.41
Turbidity (NTU)	6.4	6.6	9.6	10.1	12.5	13.0	9.70	-
SS (mg/L)	7.0	7.0	10.0	14.0	10.0	14.0	10.33	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	10:24-10:27						Northing	Easting
Water Depth (m)	21.5						22.21.462	113.55.646
Monitoring Depth (m)	1.0		10.7		20.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.1	17.1	17.0	17.0	17.0	17.0	17.01	-
Salinity (ppt)	35.5	35.5	35.5	35.4	35.4	35.4	35.44	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	94.9	94.6	94.9	95.3	95.8	95.2	95.12	-
D.O. (mg/L)	7.4	7.4	7.4	7.4	7.5	7.4	7.42	7.46
Turbidity (NTU)	6.1	6.5	10.9	11.3	13.4	12.1	10.05	-
SS (mg/L)	12.0	9.0	16.0	13.0	16.0	15.0	13.50	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	10:54-10:55							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		3.0		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	-	-	16.7	16.7	16.68	-
Salinity (ppt)	35.1	35.1	-	-	35.4	35.4	35.25	-
pH	7.8	7.8	-	-	7.8	7.8	7.78	
D.O. Saturation (%)	94.8	94.9	-	-	96.7	95.4	95.45	-
D.O. (mg/L)	7.5	7.5	-	-	7.6	7.5	7.51	7.56
Turbidity (NTU)	13.4	12.4	-	-	18.6	19.4	15.95	-
SS (mg/L)	17.0	17.0	-	-	17.0	15.0	16.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.4	7.4	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.3	7.3	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	9.5	NA	Y	Y	Y	Y	N	N	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	16.1	16.1	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/28/08
Weather & Ambient Temperature	Cloudy, 12C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	15:52-15:54							
Water Depth (m)	20.8							
Monitoring Depth (m)	1.0		10.4		19.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.9	16.9	17.0	17.2	17.0	17.0	17.00	-
Salinity (ppt)	37.1	37.2	37.2	37.5	37.5	37.1	37.25	-
pH	7.9	8.0	8.0	7.9	8.0	8.0	7.96	
D.O. Saturation (%)	92.9	93.0	92.8	92.4	92.9	92.1	92.68	-
D.O. (mg/L)	7.2	7.2	7.2	7.1	7.2	7.1	7.15	7.14
Turbidity (NTU)	7.8	7.8	8.4	8.3	9.9	9.6	8.63	-
SS (mg/L)	5.0	7.0	4.0	5.0	6.0	6.0	5.50	-
Remarks	Dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	15:11-15:12						Northing	Easting
Water Depth (m)	9.8						22.21.027	113.53.951
Monitoring Depth (m)	1.0		4.9		8.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.5	16.5	16.4	16.4	16.4	16.4	16.45	-
Salinity (ppt)	37.4	37.4	37.6	37.6	37.6	37.6	37.52	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.94	
D.O. Saturation (%)	93.8	94.8	93.4	94.8	94.9	92.0	93.95	-
D.O. (mg/L)	7.3	7.4	7.3	7.4	7.4	7.2	7.32	7.28
Turbidity (NTU)	5.5	4.9	6.6	6.1	7.0	7.1	6.20	-
SS (mg/L)	10.0	13.0	6.0	7.0	6.0	6.0	16.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	16:09-16:11						Northing	Easting
Water Depth (m)	21.8						22.21.886	113.54.941
Monitoring Depth (m)	1.0		10.9		20.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.9	17.8	17.2	17.3	17.3	17.2	17.45	-
Salinity (ppt)	37.6	37.4	37.5	37.6	37.6	37.5	37.53	-
pH	8.0	8.0	8.0	7.9	7.9	8.0	7.96	
D.O. Saturation (%)	92.6	91.0	91.6	90.5	91.8	92.4	91.65	-
D.O. (mg/L)	7.0	6.9	7.0	6.9	7.0	7.10	7.01	7.07
Turbidity (NTU)	3.0	3.3	4.8	4.2	5.0	5.2	4.25	-
SS (mg/L)	9.0	8.0	6.0	8.0	5.0	5.0	6.83	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	15:26-15:27							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.6	16.5	16.5	16.6	16.59	-
Salinity (ppt)	37.1	37.0	37.3	37.3	37.5	37.4	37.25	-
pH	7.9	7.9	7.9	8.0	8.0	7.9	7.93	
D.O. Saturation (%)	93.2	92.0	92.9	91.0	88.9	92.4	91.73	-
D.O. (mg/L)	7.3	7.2	7.2	7.1	6.9	7.2	7.14	7.05
Turbidity (NTU)	8.4	8.4	8.8	8.7	9.8	9.4	8.92	-
SS (mg/L)	8.0	10.0	5.0	6.0	5.0	6.0	6.67	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	16:16-16:18						Northing	Easting
Water Depth (m)	21.2						22.21.615	113.55.448
Monitoring Depth (m)	1.0		10.6		20.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.3	17.3	17.1	17.2	17.1	17.1	17.18	-
Salinity (ppt)	37.6	37.6	37.7	37.6	37.6	37.5	37.60	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.90	
D.O. Saturation (%)	90.1	89.9	90.0	90.2	89.8	89.8	89.97	-
D.O. (mg/L)	6.9	6.9	6.9	6.9	6.9	6.90	6.90	6.90
Turbidity (NTU)	4.6	4.8	6.9	6.4	7.9	7.5	6.35	-
SS (mg/L)	9.0	7.0	6.0	4.0	8.0	7.0	6.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	15:04-15:05							
Water Depth (m)	9.8							
Monitoring Depth (m)	1.0		4.9		8.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.6	16.5	16.6	16.4	16.5	16.56	-
Salinity (ppt)	37.0	37.0	37.3	37.3	37.6	37.4	37.27	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.91	
D.O. Saturation (%)	94.4	93.6	93.9	93.1	89.7	94.0	93.12	-
D.O. (mg/L)	7.4	7.3	7.3	7.3	7.0	7.3	7.25	7.15
Turbidity (NTU)	5.0	5.1	5.6	5.7	6.2	6.4	5.67	-
SS (mg/L)	6.0	6.0	7.0	6.0	9.0	7.0	6.83	-
Remarks	Dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	15:18-15:19						Northing	Easting
Water Depth (m)	10.2						22.21.274	113.53.877
Monitoring Depth (m)	1.0		5.1		9.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.5	16.5	16.5	16.5	16.5	16.4	16.47	-
Salinity (ppt)	37.4	37.4	37.6	37.6	37.7	37.7	37.57	-
pH	7.9	7.9	7.9	8.0	8.0	7.9	7.91	
D.O. Saturation (%)	92.9	94.2	92.1	94.1	94.0	90.2	92.92	-
D.O. (mg/L)	7.2	7.3	7.2	7.3	7.3	7.0	7.23	7.17
Turbidity (NTU)	6.5	6.6	6.7	6.6	6.8	6.6	6.63	-
SS (mg/L)	10.0	10.0	12.0	16.0	16.0	19.0	13.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	15:36-15:36							
Water Depth (m)	6.3							
Monitoring Depth (m)	1.0		3.1		5.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.6	16.6	16.6	16.6	16.6	16.6	16.55	-
Salinity (ppt)	37.2	37.3	37.0	37.2	37.2	37.2	37.20	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.89	
D.O. Saturation (%)	92.6	93.5	93.4	92.0	90.5	93.2	92.53	-
D.O. (mg/L)	7.2	7.3	7.3	7.2	7.1	7.3	7.21	7.16
Turbidity (NTU)	5.8	5.7	5.8	5.5	6.2	5.8	5.80	-
SS (mg/L)	9.0	11.0	-	-	7.0	10.0	9.25	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.2	7.2	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	11.2	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	7.2	7.2	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/28/08
Weather & Ambient Temperature	Cloudy, 11C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	10:47-10:48							
Water Depth (m)	16.6							
Monitoring Depth (m)	1.0		8.3		15.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.3	17.3	17.3	17.3	17.3	17.3	17.28	-
Salinity (ppt)	36.5	36.0	36.0	36.0	36.0	36.0	36.08	-
pH	8.2	8.0	8.2	8.0	8.1	8.0	8.07	
D.O. Saturation (%)	91.7	90.4	91.5	88.6	91.3	86.2	89.95	-
D.O. (mg/L)	7.1	7.0	7.1	6.9	7.1	6.7	6.95	6.87
Turbidity (NTU)	7.4	7.8	7.2	7.8	8.1	7.7	7.67	-
SS (mg/L)	9.0	9.0	7.0	7.0	10.0	10.0	8.67	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	12:16-12:17							
Water Depth (m)	7.5							
Monitoring Depth (m)	1.0		3.8		6.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.4	16.4	16.4	16.4	16.3	16.3	16.35	-
Salinity (ppt)	37.2	37.2	37.2	37.2	37.3	37.3	37.24	-
pH	7.9	8.0	7.9	7.9	7.9	7.9	7.94	
D.O. Saturation (%)	94.0	95.5	95.3	93.6	95.2	92.3	94.32	-
D.O. (mg/L)	7.3	7.5	7.5	7.3	7.4	7.2	7.37	7.33
Turbidity (NTU)	14.4	14.4	15.1	15.0	20.6	19.1	16.43	-
SS (mg/L)	13.0	13.0	11.0	7.0	11.0	11.0	11.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:07-11:09						Northing	Easting
Water Depth (m)	21.5						22.21.858	113.55.042
Monitoring Depth (m)	1.0		10.8		20.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	17.0	17.0	16.96	-
Salinity (ppt)	36.5	36.5	36.5	36.5	36.5	36.5	36.53	-
pH	8.0	7.9	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	91.6	92.6	92.3	90.1	92.3	87.4	91.05	-
D.O. (mg/L)	7.1	7.2	7.2	7.0	7.2	6.8	7.06	6.97
Turbidity (NTU)	9.1	9.0	10.4	9.9	11.7	11.1	10.20	-
SS (mg/L)	8.0	11.0	14.0	18.0	16.0	16.0	13.83	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:00-11:01						Northing	Easting
Water Depth (m)	21.8						22.21.542	113.55.401
Monitoring Depth (m)	1.0		10.9		20.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.9	16.9	16.9	16.9	16.9	16.9	16.87	-
Salinity (ppt)	36.6	36.5	36.6	36.5	36.6	36.5	36.55	-
pH	8.0	8.0	7.9	8.0	7.9	8.0	7.96	
D.O. Saturation (%)	92.5	93.2	91.6	93.1	87.0	93.0	91.73	-
D.O. (mg/L)	7.2	7.2	7.1	7.2	6.8	7.2	7.13	7.00
Turbidity (NTU)	9.3	8.9	10.0	9.8	9.3	9.4	9.45	-
SS (mg/L)	14.0	10.0	14.0	14.0	12.0	15.0	13.17	-
Remarks	Dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	11:40-11:41						Northing	Easting
Water Depth (m)	9.4						22.21.386	113.53.792
Monitoring Depth (m)	1.0		4.7		8.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.7	16.7	16.7	16.7	16.70	-
Salinity (ppt)	36.5	36.5	36.5	36.5	36.5	36.5	36.50	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.94	
D.O. Saturation (%)	88.1	91.6	85.7	91.1	90.3	79.6	87.73	-
D.O. (mg/L)	6.9	7.1	6.7	7.1	7.0	6.2	6.84	6.63
Turbidity (NTU)	5.1	5.2	5.7	5.9	5.8	5.4	5.52	-
SS (mg/L)	6.0	8.0	8.0	9.0	6.0	8.0	15.00	-
Remarks	Dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	11:50-11:51						Northing	Easting
Water Depth (m)	9.3						22.21.858	113.55.042
Monitoring Depth (m)	1.0		4.7		8.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.7	16.7	16.7	16.7	16.67	-
Salinity (ppt)	36.6	36.6	36.6	36.6	36.6	36.6	36.60	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.90	
D.O. Saturation (%)	92.9	91.0	92.7	90.4	88.2	92.3	91.25	-
D.O. (mg/L)	7.3	7.1	7.2	7.1	6.9	7.2	7.12	7.04
Turbidity (NTU)	4.9	5.3	4.9	5.5	5.5	5.0	5.18	-
SS (mg/L)	7.0	7.0	6.0	9.0	6.0	9.0	7.33	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:35-11:36							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.7	16.7	16.7	16.6	16.65	-
Salinity (ppt)	36.3	36.3	36.3	36.3	36.3	36.3	36.28	-
pH	8.0	7.9	7.9	7.9	7.9	7.9	7.93	
D.O. Saturation (%)	89.0	91.8	91.5	85.9	91.0	83.1	88.72	-
D.O. (mg/L)	7.0	7.2	7.2	6.7	7.1	6.5	6.94	6.81
Turbidity (NTU)	4.6	4.2	6.5	6.9	8.6	8.7	6.58	-
SS (mg/L)	6.0	6.0	8.0	6.0	6.0	6.0	6.33	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	11:56-11:57							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.7	16.7	16.7	16.6	16.66	-
Salinity (ppt)	36.6	36.6	36.6	36.6	36.6	36.5	36.57	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.91	
D.O. Saturation (%)	90.2	92.8	92.5	88.7	91.9	83.2	89.88	-
D.O. (mg/L)	7.0	7.2	7.2	6.9	7.2	6.5	7.01	6.84
Turbidity (NTU)	6.0	5.5	6.2	6.8	6.9	7.0	6.40	-
SS (mg/L)	5.0	5.0	8.0	7.0	7.0	9.0	6.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:26-11:27							
Water Depth (m)	6.3							
Monitoring Depth (m)	1.0		3.2		5.3			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.4	16.4	16.4	16.4	16.4	16.4	16.40	-
Salinity (ppt)	36.0	36.0	36.2	36.1	36.2	36.2	36.11	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.92	
D.O. Saturation (%)	91.0	87.2	90.3	85.8	82.4	89.8	87.75	-
D.O. (mg/L)	7.2	6.9	7.1	6.7	6.5	7.1	6.90	6.77
Turbidity (NTU)	6.7	6.2	7.8	7.4	13.1	13.1	9.05	-
SS (mg/L)	9.0	9.0	9.0	8.0	10.0	8.0	8.83	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.2	7.2	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	15.7	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	12.8	12.8	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/29/08
Weather & Ambient Temperature	Cloudy, 11C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	16:18-16:19							
Water Depth (m)	20.6							
Monitoring Depth (m)	1.0		10.3		19.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.1	17.0	16.9	16.9	16.8	16.8	16.92	-
Salinity (ppt)	37.5	37.5	37.6	37.5	37.5	37.5	37.52	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	94.2	95.4	96.4	94.6	94.3	102.8	96.28	-
D.O. (mg/L)	7.3	7.3	7.4	7.3	7.3	8.0	7.43	7.63
Turbidity (NTU)	4.5	4.9	6.2	6.6	6.6	6.9	5.95	-
SS (mg/L)	5.0	5.0	11.0	11.0	14.0	10.0	9.33	-
Remarks	Dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	15:37-15:37						Northing	Easting
Water Depth (m)	8.7						22.20.901	113.53.754
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	16.2	16.2	16.2	16.2	16.19	-
Salinity (ppt)	37.5	37.5	37.4	37.4	37.4	37.3	37.42	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	99.9	98.9	99.2	100.7	99.3	102.2	100.03	-
D.O. (mg/L)	7.8	7.8	7.8	7.9	7.8	8.0	7.84	7.90
Turbidity (NTU)	6.4	6.4	6.6	6.3	6.4	6.5	6.43	-
SS (mg/L)	10.0	8.0	10.0	8.0	12.0	8.0	16.00	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	16:38-16:40						Northing	Easting
Water Depth (m)	19.6						22.21.667	113.54.850
Monitoring Depth (m)	1.0		9.8		18.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.2	17.2	16.9	16.9	16.6	16.5	16.86	-
Salinity (ppt)	37.8	37.6	37.7	37.8	37.6	37.5	37.67	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	94.8	95.3	96.6	95.4	94.4	97.3	95.63	-
D.O. (mg/L)	7.3	7.3	7.4	7.4	7.3	7.57	7.38	7.45
Turbidity (NTU)	5.0	5.2	5.0	5.3	5.4	5.3	5.20	-
SS (mg/L)	6.0	9.0	8.0	9.0	10.0	10.0	8.67	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	15:53-15:54							
Water Depth (m)	8.5							
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	16.2	16.2	16.2	16.2	16.20	-
Salinity (ppt)	37.4	37.3	37.4	37.2	37.3	37.1	37.27	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	99.4	98.6	100.3	98.8	101.3	98.9	99.55	-
D.O. (mg/L)	7.8	7.7	7.9	7.7	7.9	7.8	7.80	7.85
Turbidity (NTU)	6.8	7.2	7.0	7.3	7.4	7.0	7.12	-
SS (mg/L)	12.0	8.0	12.0	9.0	11.0	10.0		-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	16:47-16:49						Northing	Easting
Water Depth (m)	20.0						22.21.860	113.55.372
Monitoring Depth (m)	1.0		10.0		19.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	17.0	17.0	17.02	-
Salinity (ppt)	37.6	37.7	37.6	37.8	37.5	37.5	37.62	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.17	
D.O. Saturation (%)	95.1	94.3	96.1	94.2	94.4	100.4	95.75	-
D.O. (mg/L)	7.3	7.3	7.4	7.3	7.3	7.73	7.37	7.50
Turbidity (NTU)	3.4	3.0	3.4	3.5	3.3	3.3	3.32	-
SS (mg/L)	6.0	8.0	6.0	8.0	6.0	8.0	7.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	15:33-15:34							
Water Depth (m)	9.2							
Monitoring Depth (m)	1.0		4.6		8.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	16.2	16.2	16.2	16.2	16.18	-
Salinity (ppt)	37.4	37.4	37.5	37.4	37.5	37.4	37.42	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.20	
D.O. Saturation (%)	98.7	99.5	103.2	98.8	99.0	105.4	100.77	-
D.O. (mg/L)	7.7	7.8	8.1	7.7	7.8	8.3	7.89	8.01
Turbidity (NTU)	7.0	7.2	7.8	7.1	7.2	7.5	7.30	-
SS (mg/L)	10.0	11.0	9.0	12.0	8.0	12.0		-
Remarks	Dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	15:45-15:46						Northing	Easting
Water Depth (m)	10.4						22.21.411	113.53.897
Monitoring Depth (m)	1.0		5.2		9.4			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	16.2	16.2	16.2	16.2	16.23	-
Salinity (ppt)	37.3	36.8	37.1	37.2	37.3	37.2	37.14	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	98.4	99.6	100.7	98.5	98.7	102.9	99.80	-
D.O. (mg/L)	7.7	7.8	7.9	7.7	7.7	8.1	7.82	7.90
Turbidity (NTU)	7.1	7.1	7.4	7.5	7.5	7.6	7.37	-
SS (mg/L)	8.0	10.0	10.0	9.0	14.0	10.0	10.17	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	16:01-16:02							
Water Depth (m)	5.9							
Monitoring Depth (m)	1.0		3.0		4.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	-	-	16.1	16.2	16.14	-
Salinity (ppt)	37.2	37.3	-	-	37.1	37.3	37.23	-
pH	8.2	8.2	-	-	8.2	8.2	8.17	
D.O. Saturation (%)	101.4	99.5	-	-	105.5	100.3	101.68	-
D.O. (mg/L)	8.0	7.8	-	-	8.3	7.9	7.98	8.08
Turbidity (NTU)	7.4	7.4	-	-	7.7	7.4	7.48	-
SS (mg/L)	9.0	9.0	-	-	10.0	8.0	9.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.4	7.4	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	7.7	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	12.1	12.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/29/08
Weather & Ambient Temperature	Cloudy, 11C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:04-11:05							
Water Depth (m)	16.2							
Monitoring Depth (m)	1.0		8.1		15.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.1	17.1	17.1	17.1	17.1	17.1	17.08	-
Salinity (ppt)	36.6	36.6	36.5	36.6	36.6	36.2	36.51	-
pH	8.2	8.1	8.2	8.1	8.0	8.2	8.13	
D.O. Saturation (%)	93.5	93.5	93.4	93.4	93.4	93.7	93.48	-
D.O. (mg/L)	7.2	7.2	7.2	7.2	7.2	7.3	7.24	7.25
Turbidity (NTU)	3.6	3.9	5.2	5.0	5.4	5.9	4.83	-
SS (mg/L)	4.0	6.0	7.0	8.0	10.0	8.0	7.17	-
Remarks	Dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	12:34-12:35							
Water Depth (m)	7.2							
Monitoring Depth (m)	1.0		3.6		6.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	16.2	16.2	16.2	16.2	16.18	-
Salinity (ppt)	37.6	37.6	37.6	37.4	35.7	37.5	37.22	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.23	
D.O. Saturation (%)	99.8	99.0	100.3	99.1	104.2	99.4	100.30	-
D.O. (mg/L)	7.8	7.8	7.9	7.8	8.3	7.8	7.87	8.02
Turbidity (NTU)	17.3	16.6	17.9	17.9	18.9	19.0	17.93	-
SS (mg/L)	16.0	14.0	18.0	16.0	20.0	20.0	17.33	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:27-11:28						Northing	Easting
Water Depth (m)	21.0						22.22.059	113.54.742
Monitoring Depth (m)	1.0		10.5		20.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	16.9	16.9	16.95	-
Salinity (ppt)	36.8	36.8	36.8	36.8	36.8	36.6	36.75	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	93.2	93.3	93.4	93.4	94.3	93.6	93.53	-
D.O. (mg/L)	7.2	7.2	7.2	7.2	7.3	7.3	7.25	7.29
Turbidity (NTU)	6.7	6.6	9.8	9.2	10.7	10.5	8.92	-
SS (mg/L)	8.0	8.0	12.0	16.0	10.0	13.0	11.17	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:16-11:18						Northing	Easting
Water Depth (m)	21.6						22.21.502	113.55.521
Monitoring Depth (m)	1.0		10.8		20.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.1	17.1	17.0	17.0	16.9	17.0	17.00	-
Salinity (ppt)	36.7	36.7	36.6	36.7	36.2	36.5	36.57	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	93.2	93.5	93.5	93.6	93.7	93.6	93.52	-
D.O. (mg/L)	7.2	7.2	7.3	7.3	7.3	7.3	7.25	7.27
Turbidity (NTU)	4.8	4.9	8.2	8.3	7.9	8.2	7.05	-
SS (mg/L)	6.0	7.0	8.0	8.0	10.0	8.0	7.83	-
Remarks	Dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	12:08-12:09						Northing	Easting
Water Depth (m)	8.8						22.21.214	113.53.627
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.4	16.4	16.4	16.4	16.3	16.4	16.36	-
Salinity (ppt)	36.9	35.0	36.9	36.9	37.0	36.9	36.59	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	97.6	99.8	101.2	97.8	104.4	98.4	99.87	-
D.O. (mg/L)	7.6	7.9	7.9	7.7	8.2	7.7	7.83	7.94
Turbidity (NTU)	15.2	15.3	15.9	15.4	16.2	16.2	15.70	-
SS (mg/L)	14.0	11.0	12.0	11.0	11.0	13.0	15.00	-
Remarks	No dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	12:00-12:01						Northing	Easting
Water Depth (m)	9.0						22.22.059	113.54.742
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.3	16.3	16.3	16.3	16.3	16.3	16.31	-
Salinity (ppt)	36.7	36.7	36.7	36.2	32.6	36.7	35.93	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	96.4	96.8	97.1	96.5	96.5	100.7	97.33	-
D.O. (mg/L)	7.6	7.6	7.6	7.6	7.8	7.9	7.67	7.83
Turbidity (NTU)	8.1	8.1	8.5	8.3	8.1	8.2	8.22	-
SS (mg/L)	7.0	10.0	9.0	12.0	11.0	15.0	10.67	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	11:54-11:54							
Water Depth (m)	8.2							
Monitoring Depth (m)	1.0		4.1		7.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.3	16.4	16.4	16.4	16.4	16.3	16.35	-
Salinity (ppt)	36.6	36.6	36.6	36.6	36.6	36.5	36.58	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.17	
D.O. Saturation (%)	96.1	98.3	99.6	96.4	97.2	102.2	98.30	-
D.O. (mg/L)	7.5	7.7	7.8	7.6	7.6	8.0	7.71	7.83
Turbidity (NTU)	6.9	7.2	7.4	7.1	7.2	7.7	7.25	-
SS (mg/L)	9.0	9.0	9.0	12.0	12.0	14.0	10.83	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:16-12:17							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.2	16.2	16.2	16.2	16.2	16.2	16.22	-
Salinity (ppt)	36.9	36.9	37.0	37.0	37.1	37.0	36.97	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.18	
D.O. Saturation (%)	99.6	98.3	100.7	98.5	102.8	99.0	99.82	-
D.O. (mg/L)	7.8	7.7	7.9	7.7	8.1	7.8	7.84	7.92
Turbidity (NTU)	4.6	4.7	5.4	5.3	5.8	5.7	5.25	-
SS (mg/L)	5.0	5.0	5.0	7.0	6.0	8.0	6.00	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	11:46-11:46							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.3	16.3	-	-	16.2	16.2	16.24	-
Salinity (ppt)	36.5	36.5	-	-	36.5	36.5	36.51	-
pH	8.2	8.2	-	-	8.2	8.2	8.17	
D.O. Saturation (%)	96.5	96.9	-	-	96.7	96.9	96.75	-
D.O. (mg/L)	7.6	7.6	-	-	7.6	7.6	7.61	7.61
Turbidity (NTU)	23.1	22.8	-	-	25.6	25.2	24.18	-
SS (mg/L)	23.0	24.0	-	-	33.0	34.0	28.50	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.6	7.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	14.8	NA	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	15.9	15.9	N	N	N	N	N	N	N	N	N	N	N	N	Y	N

Sampling Date	01/30/08
Weather & Ambient Temperature	Rainy, 10C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	17:33-17:35							
Water Depth (m)	20.2							
Monitoring Depth (m)	1.0		10.1		19.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	17.0	17.0	16.99	-
Salinity (ppt)	36.2	36.3	36.3	36.3	36.1	36.3	36.23	-
pH	8.0	8.0	8.0	7.9	7.8	8.0	7.99	
D.O. Saturation (%)	93.4	93.3	93.5	93.2	95.4	93.8	93.77	-
D.O. (mg/L)	7.3	7.3	7.3	7.2	7.4	7.3	7.29	7.36
Turbidity (NTU)	1.5	1.6	2.2	2.3	2.6	2.7	2.15	-
SS (mg/L)	5.0	6.0	4.0	5.0	4.0	4.0	4.67	-
Remarks	Dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	16:54-16:55						Northing	Easting
Water Depth (m)	8.9						22.20.891	113.53.822
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.7	15.7	15.7	15.7	15.7	15.7	15.72	-
Salinity (ppt)	36.2	36.0	36.0	36.2	36.0	36.2	36.10	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.21	
D.O. Saturation (%)	101.0	98.8	98.9	102.1	100.2	104.5	100.92	-
D.O. (mg/L)	8.0	7.9	7.9	8.1	8.0	8.3	8.04	8.15
Turbidity (NTU)	5.2	5.1	5.5	5.6	5.4	5.5	5.38	-
SS (mg/L)	7.0	8.0	7.0	7.0	8.0	8.0	16.00	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	17:55-17:56						Northing	Easting
Water Depth (m)	21.8						22.21.891	113.54.832
Monitoring Depth (m)	1.0		10.9		20.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.1	17.1	17.0	17.1	17.03	-
Salinity (ppt)	36.1	36.1	36.2	36.2	36.3	36.2	36.18	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	90.9	91.3	91.1	91.5	93.2	91.2	91.53	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.2	7.08	7.11	7.16
Turbidity (NTU)	1.8	1.8	2.0	1.9	1.8	1.9	1.87	-
SS (mg/L)	4.0	4.0	4.0	4.0	6.0	6.0	4.67	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	17:08-17:08							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.90	-
Salinity (ppt)	36.5	36.2	36.5	36.2	36.5	36.5	36.41	-
pH	8.0	8.1	8.0	8.1	8.1	8.0	8.05	
D.O. Saturation (%)	101.1	106.0	101.6	106.1	103.1	107.0	104.15	-
D.O. (mg/L)	8.0	8.4	8.0	8.4	8.2	8.5	8.26	8.33
Turbidity (NTU)	6.6	6.9	7.2	7.2	7.8	7.4	7.18	-
SS (mg/L)	10.0	9.0	11.0	9.0	13.0	10.0		-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	18:04-18:05						Northing	Easting
Water Depth (m)	21.5						22.21.509	113.53.619
Monitoring Depth (m)	1.0		10.8		20.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.1	17.1	17.1	17.1	17.04	-
Salinity (ppt)	36.2	36.1	36.2	36.2	36.2	36.2	36.16	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	90.4	90.6	90.6	90.3	90.4	90.6	90.48	-
D.O. (mg/L)	7.0	7.0	7.0	7.0	7.0	7.03	7.02	7.02
Turbidity (NTU)	2.0	1.8	2.5	2.4	2.9	2.9	2.42	-
SS (mg/L)	4.0	6.0	4.0	6.0	4.0	6.0	5.00	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	16:50-16:51							
Water Depth (m)	9.0							
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.86	-
Salinity (ppt)	36.0	36.0	36.0	36.0	36.0	36.0	36.02	-
pH	8.3	8.2	8.2	8.2	8.2	8.2	8.22	
D.O. Saturation (%)	99.3	99.7	99.2	99.8	99.4	100.1	99.58	-
D.O. (mg/L)	7.9	7.9	7.9	7.9	7.9	8.0	7.91	7.93
Turbidity (NTU)	6.9	6.6	7.1	7.2	8.3	8.3	7.40	-
SS (mg/L)	8.0	9.0	7.0	8.0	9.0	11.0		-
Remarks	Dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	17:02-17:03						Northing	Easting
Water Depth (m)	9.1						22.21.393	113.53.803
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.87	-
Salinity (ppt)	36.2	36.2	36.3	36.3	36.5	36.3	36.30	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	98.4	99.1	98.4	99.6	100.3	98.6	99.07	-
D.O. (mg/L)	7.8	7.9	7.8	7.9	8.0	7.8	7.86	7.89
Turbidity (NTU)	7.2	7.2	11.3	11.6	12.5	12.5	10.38	-
SS (mg/L)	4.0	4.0	7.0	6.0	6.0	8.0	5.83	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	17:16-17:17							
Water Depth (m)	5.8							
Monitoring Depth (m)	1.0		2.9		4.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.7	15.7	-	-	15.7	15.7	15.73	-
Salinity (ppt)	36.3	36.2	-	-	36.7	36.3	36.38	-
pH	7.8	7.8	-	-	7.7	7.8	7.78	
D.O. Saturation (%)	101.9	100.3	-	-	107.3	101.4	102.73	-
D.O. (mg/L)	8.1	8.0	-	-	8.5	8.1	8.17	8.30
Turbidity (NTU)	4.4	4.4	-	-	5.6	5.3	4.93	-
SS (mg/L)	6.0	5.0	-	-	7.0	6.0	6.00	-
Remarks	Dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.4	7.4	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.3	7.3	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	2.8	NA	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (Depth-averaged)	24.0	37.0	6.1	6.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/30/08
Weather & Ambient Temperature	Rainy, 11C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:28-11:29							
Water Depth (m)	16.0							
Monitoring Depth (m)	1.0		8.0		15.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.8	16.8	16.8	16.9	16.9	16.8	16.84	-
Salinity (ppt)	36.1	35.9	36.0	36.1	36.1	35.8	35.99	-
pH	8.3	8.2	8.2	8.3	8.3	8.2	8.23	
D.O. Saturation (%)	93.0	93.5	94.0	93.0	93.0	95.3	93.63	-
D.O. (mg/L)	7.3	7.3	7.3	7.3	7.3	7.5	7.31	7.35
Turbidity (NTU)	1.6	1.6	2.2	2.3	2.9	2.8	2.23	-
SS (mg/L)	11.0	9.0	11.0	8.0	8.0	8.0	9.17	-
Remarks	Dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	12:28-12:29						Northing	Easting
Water Depth (m)	9.0						22.22.899	113.54.841
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.1	16.1	16.0	16.0	16.1	16.0	16.04	-
Salinity (ppt)	35.8	35.8	35.5	35.9	35.8	35.9	35.80	-
pH	7.9	7.9	7.9	7.9	7.9	7.8	7.87	
D.O. Saturation (%)	97.2	97.4	97.1	98.0	97.1	98.5	97.55	-
D.O. (mg/L)	7.7	7.7	7.7	7.8	7.7	7.8	7.74	7.76
Turbidity (NTU)	3.0	2.6	3.6	3.2	3.8	3.4	3.27	-
SS (mg/L)	5.0	4.0	6.0	4.0	4.0	5.0	4.67	-
Remarks	No dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	12:52-12:53							
Water Depth (m)	6.7							
Monitoring Depth (m)	1.0		3.4		5.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.87	-
Salinity (ppt)	36.7	36.5	36.7	36.5	36.6	37.3	36.72	-
pH	7.8	7.9	7.8	7.9	7.9	7.7	7.81	
D.O. Saturation (%)	100.2	99.3	100.6	99.6	99.8	101.8	100.22	-
D.O. (mg/L)	7.9	7.9	8.0	7.9	7.9	8.0	7.93	7.97
Turbidity (NTU)	6.3	6.1	6.3	6.5	6.5	6.6	6.38	-
SS (mg/L)	3.0	5.0	3.0	5.0	4.0	5.0	4.17	-
Remarks	Dredging works was observed.							

Station	MPB1							
Time (hh:mm)	12:16-12:17							
Water Depth (m)	8.8							
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.87	-
Salinity (ppt)	36.6	36.4	36.6	36.4	36.5	36.8	36.54	-
pH	8.1	8.2	8.1	8.1	8.1	8.1	8.12	
D.O. Saturation (%)	100.9	99.5	101.8	99.8	100.1	103.6	100.95	-
D.O. (mg/L)	8.0	7.9	8.1	7.9	7.9	8.2	8.00	8.07
Turbidity (NTU)	5.7	5.8	5.9	5.9	5.7	5.7	5.78	-
SS (mg/L)	8.0	7.0	11.0	9.0	9.0	7.0	8.50	-
Remarks	Dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:49-11:52						Northing	Easting
Water Depth (m)	20.8						22.22.899	113.54.841
Monitoring Depth (m)	1.0		10.4		19.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.0	17.0	16.9	17.0	16.99	-
Salinity (ppt)	36.2	36.2	36.2	36.0	36.0	36.1	36.11	-
pH	8.2	8.2	8.2	8.1	8.1	8.2	8.15	
D.O. Saturation (%)	92.3	92.3	92.1	92.9	94.0	92.2	92.63	-
D.O. (mg/L)	7.2	7.2	7.2	7.2	7.3	7.2	7.20	7.25
Turbidity (NTU)	4.3	4.1	8.9	8.4	10.1	10.3	7.68	-
SS (mg/L)	10.0	7.0	10.0	9.0	10.0	9.0	9.17	-
Remarks	Dredging works was observed.							

Station	MPB2							
Time (hh:mm)	12:35-12:36							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.8	15.8	15.8	15.8	15.8	15.8	15.82	-
Salinity (ppt)	36.1	36.0	36.2	36.1	36.4	36.1	36.14	-
pH	7.7	7.8	7.7	7.8	7.7	7.8	7.75	
D.O. Saturation (%)	103.3	100.1	104.2	100.6	107.4	101.5	102.85	-
D.O. (mg/L)	8.2	8.0	8.3	8.0	8.5	8.1	8.18	8.30
Turbidity (NTU)	4.8	4.8	5.4	5.3	5.4	5.7	5.23	-
SS (mg/L)	11.0	8.0	9.0	7.0	8.0	10.0	8.83	-
Remarks	Dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:40-11:42						Northing	Easting
Water Depth (m)	21.2						22.21.505	113.55.423
Monitoring Depth (m)	1.0		10.6		20.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	17.0	17.0	17.1	17.0	17.0	17.0	17.04	-
Salinity (ppt)	36.1	36.2	36.0	36.2	36.1	36.2	36.12	-
pH	8.1	8.2	8.1	8.2	8.1	8.2	8.14	
D.O. Saturation (%)	92.5	92.5	92.9	92.3	94.3	92.3	92.80	-
D.O. (mg/L)	7.2	7.2	7.2	7.2	7.3	7.2	7.21	7.25
Turbidity (NTU)	2.2	2.4	2.6	2.4	2.8	2.9	2.55	-
SS (mg/L)	8.0	5.0	8.0	7.0	5.0	7.0	6.67	-
Remarks	Dredging works was observed.							

Station	MP							
Time (hh:mm)	12:09-12:09							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.8	15.8	-	-	15.8	15.7	15.75	-
Salinity (ppt)	36.4	36.1	-	-	36.2	36.7	36.35	-
pH	8.1	8.1	-	-	8.1	8.0	8.09	
D.O. Saturation (%)	102.6	99.9	-	-	100.2	104.7	101.85	-
D.O. (mg/L)	8.2	8.0	-	-	8.0	8.3	8.10	8.14
Turbidity (NTU)	5.2	5.3	-	-	5.3	5.4	5.30	-
SS (mg/L)	7.0	9.0	-	-	9.0	10.0	8.75	-
Remarks	Dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	12:21-12:22						Northing	Easting
Water Depth (m)	8.8						22.21.114	113.53.647
Monitoring Depth (m)	1.0		4.4		7.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.8	15.8	15.9	15.9	15.8	15.8	15.84	-
Salinity (ppt)	36.1	35.9	36.1	36.0	32.4	35.9	35.40	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.10	
D.O. Saturation (%)	101.7	99.7	102.3	99.9	104.3	100.4	101.38	-
D.O. (mg/L)	8.1	7.9	8.1	7.9	8.5	8.0	8.09	8.24
Turbidity (NTU)	6.8	7.3	7.8	7.8	8.3	8.1	7.68	-
SS (mg/L)	9.0	10.0	7.0	8.0	9.0	12.0	15.00	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.7	7.7	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.6	7.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.6	NA	Y	Y	N	N	Y	Y	N	N	Y	Y	N	N	N	N
SS (Depth-averaged)	24.0	37.0	8.7	8.7	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/31/08
Weather & Ambient Temperature	Cloudy, 8C

Tide	Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	6:00-6:02							
Water Depth (m)	20.1							
Monitoring Depth (m)	1.0		10.1		19.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.8	16.6	16.6	16.5	16.5	16.59	-
Salinity (ppt)	37.4	37.4	37.4	37.4	37.3	37.3	37.36	-
pH	8.1	8.2	8.2	8.1	8.1	8.2	8.16	
D.O. Saturation (%)	92.3	91.1	91.5	93.3	99.7	91.2	93.18	-
D.O. (mg/L)	7.2	7.1	7.2	7.3	7.8	7.2	7.28	7.48
Turbidity (NTU)	4.2	3.8	5.9	5.5	6.2	5.9	5.25	-
SS (mg/L)	5.0	5.0	3.0	5.0	4.0	5.0	4.50	-
Remarks	No dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	6:33-6:34						Northing	Easting
Water Depth (m)	9.0						22.21.142	113.54.590
Monitoring Depth (m)	1.0		4.5		8.0			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.0	16.0	16.0	16.0	16.0	16.0	15.98	-
Salinity (ppt)	36.5	36.5	36.5	36.0	36.5	32.5	35.77	-
pH	8.2	8.1	8.1	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	93.3	93.7	94.0	93.4	97.6	93.4	94.23	-
D.O. (mg/L)	7.4	7.5	7.5	7.4	7.8	7.6	7.52	7.68
Turbidity (NTU)	7.4	7.4	7.8	7.6	7.5	7.4	7.52	-
SS (mg/L)	4.0	4.0	2.0	3.0	3.0	5.0	16.00	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	5:38-5:40						Northing	Easting
Water Depth (m)	21.2						22.22.012	113.54.694
Monitoring Depth (m)	1.0		10.6		20.2			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.6	16.7	16.6	16.6	16.6	16.6	16.62	-
Salinity (ppt)	36.6	36.6	36.6	36.6	36.5	36.6	36.59	-
pH	8.1	8.2	8.1	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	90.1	90.2	90.3	90.3	90.5	91.2	90.43	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.1	7.16	7.10	7.14
Turbidity (NTU)	6.0	5.9	9.1	8.5	9.8	10.0	8.22	-
SS (mg/L)	5.0	4.0	6.0	4.0	4.0	4.0	4.50	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	6:27-6:28							
Water Depth (m)	8.7							
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.0	16.0	16.0	16.0	16.0	16.0	16.02	-
Salinity (ppt)	36.5	36.5	36.5	36.5	36.3	36.4	36.42	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	93.0	95.2	93.3	96.5	99.1	94.1	95.20	-
D.O. (mg/L)	7.4	7.6	7.4	7.7	7.9	7.5	7.56	7.68
Turbidity (NTU)	6.2	6.5	6.4	6.7	7.0	6.5	6.55	-
SS (mg/L)	3.0	4.0	3.0	5.0	4.0	5.0		-
Remarks	No dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	5:27-5:29						Northing	Easting
Water Depth (m)	21.7						22.21.397	113.55.534
Monitoring Depth (m)	1.0		10.9		20.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.8	16.6	16.7	16.6	16.6	16.67	-
Salinity (ppt)	36.5	36.5	36.6	36.4	36.1	36.4	36.41	-
pH	8.1	8.2	8.2	8.1	8.1	8.2	8.14	
D.O. Saturation (%)	90.1	90.4	90.5	90.4	90.6	90.5	90.42	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.1	7.11	7.10	7.12
Turbidity (NTU)	4.1	4.2	7.6	7.5	7.2	7.5	6.35	-
SS (mg/L)	5.0	2.0	4.0	3.0	4.0	3.0	3.50	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	6:49-6:50							
Water Depth (m)	8.9							
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.89	-
Salinity (ppt)	36.8	36.8	36.8	36.8	36.8	36.9	36.81	-
pH	8.1	8.2	8.2	8.1	8.2	8.1	8.14	
D.O. Saturation (%)	96.5	95.2	95.4	97.6	95.9	99.7	96.72	-
D.O. (mg/L)	7.7	7.6	7.6	7.8	7.6	7.9	7.69	7.77
Turbidity (NTU)	3.9	4.0	4.6	4.7	5.0	5.1	4.55	-
SS (mg/L)	3.0	3.0	6.0	4.0	4.0	4.0		-
Remarks	No dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	6:41-6:42						Northing	Easting
Water Depth (m)	8.9						22.21.043	113.54.112
Monitoring Depth (m)	1.0		4.5		7.9			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.0	16.0	16.0	16.0	16.0	16.0	16.03	-
Salinity (ppt)	36.8	34.8	36.7	36.7	36.8	36.8	36.43	-
pH	8.2	8.1	8.1	8.1	8.1	8.1	8.14	
D.O. Saturation (%)	94.5	96.7	94.7	98.1	101.3	95.3	96.77	-
D.O. (mg/L)	7.5	7.8	7.5	7.8	8.0	7.6	7.68	7.79
Turbidity (NTU)	14.5	14.6	14.7	15.2	15.5	15.5	15.00	-
SS (mg/L)	4.0	3.0	4.0	3.0	6.0	6.0	4.33	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	6:19-6:19							
Water Depth (m)	5.7							
Monitoring Depth (m)	1.0		2.8		4.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	-	-	15.9	15.9	15.91	-
Salinity (ppt)	36.3	36.3	-	-	36.4	36.4	36.35	-
pH	8.1	8.1	-	-	8.1	8.1	8.13	
D.O. Saturation (%)	93.4	93.8	-	-	93.8	93.6	93.65	-
D.O. (mg/L)	7.4	7.5	-	-	7.5	7.5	7.46	7.46
Turbidity (NTU)	22.4	22.1	-	-	24.5	24.9	23.48	-
SS (mg/L)	7.0	7.0	-	-	6.0	7.0	6.75	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.5	7.5	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.3	7.3	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	6.8	NA	Y	Y	N	N	Y	Y	Y	Y	N	N	N	N	Y	Y
SS (Depth-averaged)	24.0	37.0	5.9	5.9	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Sampling Date	01/31/08
Weather & Ambient Temperature	Cloudy, 9C

Tide	Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	11:25-11:26							
Water Depth (m)	16.1							
Monitoring Depth (m)	1.0		8.1		15.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.8	16.8	16.8	16.8	16.75	-
Salinity (ppt)	36.4	36.5	36.3	36.4	36.4	36.1	36.35	-
pH	8.1	8.2	8.1	8.1	8.0	8.1	8.09	
D.O. Saturation (%)	90.4	90.4	90.3	90.3	90.3	90.6	90.38	-
D.O. (mg/L)	7.1	7.1	7.1	7.1	7.1	7.1	7.09	7.10
Turbidity (NTU)	3.2	2.9	4.5	4.3	4.7	5.2	4.13	-
SS (mg/L)	3.0	4.0	4.0	4.0	4.0	5.0	4.00	-
Remarks	No dredging works was observed.							

Station	IMO4						Co-ordinates	
Time (hh:mm)	10:19-10:19						Northing	Easting
Water Depth (m)	8.7						22.22.019	113.54.681
Monitoring Depth (m)	1.0		4.4		7.7			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.86	-
Salinity (ppt)	37.3	37.3	37.3	37.2	37.2	37.3	37.26	-
pH	8.2	8.2	8.2	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	96.8	95.8	96.1	97.6	99.1	96.2	96.93	-
D.O. (mg/L)	7.7	7.6	7.6	7.7	7.9	7.6	7.69	7.75
Turbidity (NTU)	5.7	5.7	5.9	5.6	5.8	5.7	5.73	-
SS (mg/L)	4.0	5.0	3.0	2.0	4.0	5.0	3.83	-
Remarks	No dredging works was observed.							

Station	C3 (NM6)							
Time (hh:mm)	9:56-9:57							
Water Depth (m)	6.8							
Monitoring Depth (m)	1.0		3.4		5.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.8	15.9	15.9	15.8	15.9	15.85	-
Salinity (ppt)	37.4	37.4	37.4	37.3	35.5	37.4	37.06	-
pH	8.2	8.2	8.2	8.2	8.2	8.2	8.19	
D.O. Saturation (%)	96.7	95.9	97.2	96.0	101.1	96.3	97.20	-
D.O. (mg/L)	7.7	7.6	7.7	7.6	8.1	7.6	7.72	7.87
Turbidity (NTU)	16.6	15.9	17.2	17.2	18.2	18.3	17.23	-
SS (mg/L)	6.0	7.0	6.0	6.0	5.0	7.0	6.17	-
Remarks	No dredging works was observed.							

Station	MPB1							
Time (hh:mm)	10:35-10:36							
Water Depth (m)	8.6							
Monitoring Depth (m)	1.0		4.3		7.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.87	-
Salinity (ppt)	37.2	37.1	37.2	37.0	37.1	37.0	37.11	-
pH	8.2	8.2	8.1	8.2	8.1	8.2	8.15	
D.O. Saturation (%)	96.3	95.5	97.2	95.7	98.2	95.8	96.45	-
D.O. (mg/L)	7.6	7.6	7.7	7.6	7.8	7.6	7.65	7.70
Turbidity (NTU)	6.1	6.5	6.3	6.6	6.7	6.3	6.42	-
SS (mg/L)	3.0	3.0	4.0	4.0	4.0	6.0	4.00	-
Remarks	No dredging works was observed.							

Station	IMO1						Co-ordinates	
Time (hh:mm)	11:02-11:03						Northing	Easting
Water Depth (m)	22.1						22.22.019	113.54.681
Monitoring Depth (m)	1.0		11.1		21.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.8	16.8	16.6	16.6	16.2	16.2	16.53	-
Salinity (ppt)	37.6	37.5	37.7	37.5	37.5	37.3	37.51	-
pH	8.2	8.2	8.2	8.2	8.2	8.1	8.17	
D.O. Saturation (%)	91.7	92.2	92.3	93.5	91.3	94.2	92.53	-
D.O. (mg/L)	7.1	7.2	7.2	7.3	7.2	7.4	7.23	7.30
Turbidity (NTU)	4.3	4.5	4.6	4.3	4.7	4.6	4.50	-
SS (mg/L)	4.0	3.0	3.0	4.0	7.0	5.0	4.33	-
Remarks	No dredging works was observed.							

Station	MPB2							
Time (hh:mm)	10:15-10:16							
Water Depth (m)	9.1							
Monitoring Depth (m)	1.0		4.6		8.1			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.8	15.85	-
Salinity (ppt)	37.2	37.2	37.3	37.3	37.3	37.3	37.26	-
pH	8.2	8.2	8.2	8.1	8.2	8.1	8.16	
D.O. Saturation (%)	95.6	96.4	95.7	100.1	95.9	102.3	97.67	-
D.O. (mg/L)	7.6	7.7	7.6	7.9	7.6	8.1	7.74	7.86
Turbidity (NTU)	6.3	6.5	6.4	7.1	6.5	6.8	6.60	-
SS (mg/L)	5.0	6.0	5.0	6.0	6.0	6.0	5.67	-
Remarks	No dredging works was observed.							

Station	IMO2						Co-ordinates	
Time (hh:mm)	11:11-11:13						Northing	Easting
Water Depth (m)	21.8						22.21.391	113.55.539
Monitoring Depth (m)	1.0		10.9		20.8			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	16.7	16.7	16.7	16.7	16.7	16.7	16.69	-
Salinity (ppt)	37.4	37.6	37.6	37.4	37.4	37.4	37.46	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	92.0	91.2	91.1	93.0	97.3	91.3	92.65	-
D.O. (mg/L)	7.2	7.1	7.1	7.3	7.6	7.1	7.22	7.35
Turbidity (NTU)	2.7	2.3	2.8	2.7	2.6	2.6	2.62	-
SS (mg/L)	15.0	10.0	14.0	20.0	13.0	18.0	15.00	-
Remarks	No dredging works was observed.							

Station	MP							
Time (hh:mm)	10:43-10:44							
Water Depth (m)	5.6							
Monitoring Depth (m)	1.0		2.8		4.6			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.8	15.8	-	-	15.8	15.8	15.81	-
Salinity (ppt)	37.1	37.1	-	-	37.1	37.0	37.07	-
pH	8.1	8.1	-	-	8.1	8.1	8.13	
D.O. Saturation (%)	98.3	96.4	-	-	97.2	102.4	98.58	-
D.O. (mg/L)	7.8	7.7	-	-	7.7	8.1	7.83	7.93
Turbidity (NTU)	6.7	6.7	-	-	6.7	7.0	6.78	-
SS (mg/L)	5.0	5.0	-	-	4.0	6.0	5.00	-
Remarks	No dredging works was observed.							

Station	IMO3						Co-ordinates	
Time (hh:mm)	10:27-10:28						Northing	Easting
Water Depth (m)	8.5						22.21.146	113.53.582
Monitoring Depth (m)	1.0		4.3		7.5			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	15.9	15.9	15.9	15.9	15.9	15.9	15.90	-
Salinity (ppt)	37.1	36.6	37.0	36.9	37.0	37.2	36.98	-
pH	8.1	8.1	8.1	8.1	8.1	8.1	8.13	
D.O. Saturation (%)	95.3	96.5	95.4	97.6	99.8	95.6	96.70	-
D.O. (mg/L)	7.6	7.7	7.6	7.8	7.9	7.6	7.67	7.75
Turbidity (NTU)	6.4	6.4	6.8	6.7	6.9	6.8	6.67	-
SS (mg/L)	5.0	6.0	3.0	4.0	5.0	3.0	15.00	-
Remarks	No dredging works was observed.							

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		IMO3		IMO4		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.5	7.5	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.4	7.4	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	13.9	NA	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SS (Depth-averaged)	24.0	37.0	6.6	6.6	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East
Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
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BY EMAIL (matthewchan@epd.gov.hk)

28 December 2007

Mr Matthew Chan
Environmental Protection Officer

Environmental Protection Department
Regional Assessment Group
27th Floor, Southorn Centre
130 Hennessy Road
Wanchai
Hong Kong

Our Ref: *C2475_0018105_Letter_EPD_Change of Action Limit Levels_28Dec07_v0.doc*

Dear Mr Chan

PERMANENT AVIATION FUEL FACILITY
- Amendment of Action Limit Levels for Water Quality Monitoring -

This letter hereby requests for an amendment to be made to the Action Limit Levels for water quality monitoring conducted as part of the above captioned Project. Rationale and proposed changes are presented below.

Rationale

In accordance with the Environmental Monitoring and Audit (EM&A) Manual for the project, water quality monitoring must be conducted on a daily basis during all dredging works for the installation of the submarine pipeline. Data collected from the monitoring should be checked against the Action Limit Levels specified in the EM&A Manual to assess the effectiveness of mitigation measures and identify the need for any changes to be made to either the monitoring programme, or dredging operations.

The results of the monitoring conducted to date have recorded more than two consecutive exceedances of Turbidity (NTU) (see *Attachment 1*). As per the EM&A Manual, an Action Level exceedance has been defined as a depth averaged record of Turbidity (NTU) at a downstream station that is 130% or more of that recorded at the upstream stations.

A review of the data and dredging practices concluded that all Action Level exceedances are unlikely to be caused by the Project due to the following:

- A similar exceedance of the Action Level was found during monitoring on 17th December 2007 when no dredging was undertaken.

- Suspended Solids (SS) levels at all impact stations were far below Action and Limit Levels during all monitoring events where exceedances of Turbidity Action Levels were recorded.

On this basis, it is considered that variable levels of Turbidity recorded during the monitoring programme are more likely to be as a result of natural fluctuations within the mobile marine waters of the Pearl River Estuary.

Recommended Amendment to Action Level

In accordance with the required procedures to be taken following the trigger of an Action Level, discussions between the Environmental Team and the Independent Environmental Checker (IEC) have resulted in a recommendation of an amendment to be made to the Action Level for the monitoring of Turbidity for the Project.

It is noted that for Dissolved Oxygen (DO) and Suspended Solids (SS) a set Action and Limit Levels have been established taking into consideration both the baseline data as well as the Environmental Protection Departments (EPD) routine water quality monitoring data collected between 1998 and 2006. This value thus takes into account historical fluctuations in ambient conditions and thereby could be considered to be more representative of natural change. Presently, monitoring for Turbidity does not take into account natural spatial and temporal patterns, but is rather restricted to Action Levels that are determined by the water quality data collected at upstream control station on the day of monitoring. It is therefore recommended that the Action Level of Turbidity be amended to follow the same principle as that currently applied to DO and SS.

Data on Turbidity collected during the baseline monitoring programme for the Project, conducted in December 2007, and that collected during the EPD monitoring routine water quality monitoring programme between 1998 and 2006 has thus been reviewed to identify a suitable Action Level. Based on the results, the proposed Action and Limit Levels for construction phase monitoring of water quality for DO, SS and Turbidity are summarised in *Table 1*. It should be noted that no change has been made to that presented in the EM&A Manual for DO and SS, but are rather presented for consistency.

Table 1 Action and Limit Levels for Water Quality

Parameters	Action (mg/L)	Limit (mg/L)
DO in mg/L (Depth Average & Bottom)	Depth Average 4.5 mg/l and upstream control stations' mean DO (at the same tide of the same day)	Depth Average 4.0 mg/l and upstream control stations' mean DO (at the same tide of the same day)

Parameters	Action (mg/L)	Limit (mg/L)
DO in mg/L (Depth Average & Bottom)	Bottom 7.5 mg/l and upstream control stations' mean DO (at the same tide of the same day)	Bottom 2.0 mg/l and upstream control stations' mean DO (at the same tide of the same day)
Suspended Solids (Depth averaged)	30 mg/l and 130% of upstream control stations' mean SS (at the same tide of the same day)	39 mg/l and 130% of upstream control stations' mean SS (at the same tide of the same day)
Turbidity in NTU (Depth averaged)	34 NTU and 130% of upstream control stations' mean Turbidity (at the same tide of the same day)	52 NTU and 130% of upstream control stations' mean Turbidity (at the same tide of the same day)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- All the figures given in the table are for reference only and these may be amended with the agreement of DEP.
- "Depth Averaged" is calculated by taking the arithmetic mean of the *in-situ* parameters readings at all three depths. For suspended solids "depth averaged" is calculated by combining all three samples into one mixed sample which is analysed to produce a physical arithmetic mean.

In accordance with the Environmental Monitoring and Audit (EM&A) Manual approval of the above is required for implementation. Please therefore find that this recommended amendment to the EM&A Manual has been signed by both the Environmental Team and the Independent Environmental Checker for the assignment.

Craig A Reid
Environmental Team Leader

Dr Guiyi Li
Independent Environmental Checker

cc *Mr Martin Putnam, Airport Authority Hong Kong* *(By Fax 28240712)*
Mr David Holden, Leighton Contractors (Asia) Limited *(By Fax 29400083)*
Mr Guiyi Li (IEC), Hyder Consulting Ltd *(By Fax 2805 5028)*

Attachment 1

Notification of Exceedance for Water Quality

Facsimile message

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3102
Facsimile: (852) 2723 5660
E-mail: marcus.ip@erm.com

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
Copied to	
From	Craig Reid
Ref/Project number	*0018105_NOE_20071217.doc*
Subject	Notification of Exceedance for Water Quality
Date	21 December 2007

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) (Log no.: 0018105_17 Dec 07_Turb_F_Station MP1, 0018105_17 Dec 07_Turb_F_Station MP2, 0018105_17 Dec 07_Turb_F_Station MP, 0018105_17 Dec 07_Turb_E_Station MP1, 0018105_17 Dec 07_Turb_E_Station MP2, 0018105_17 Dec 07_Turb_ E_Station MP, 0018105_17 Dec 07_Turb_ E_Station IMO1) recorded on 17 December 2007.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_17 Dec 07_Turb_F_Station MPB1** **0018105_17 Dec 07_Turb_F_Station MPB2** **0018105_17 Dec 07_Turb_F_Station MP** **[Total No. of Exceedances = 3]**	
Date	17 December 2007 (Measured) 21 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.7
	Mid-Flood	7.6
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 8.90 NTU Station MPB2 – 11.12 NTU Station MP – 13.97 NTU
	Mid-Flood	Station MPB1 – 8.55 NTU (exceeds Action Level) Station MPB2 – 9.77 NTU (exceeds Action Level) Station MP – 11.75 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 17 November, the construction works for the Project involved mobilization of marine plant and site setting. There were no marine works (ie dredging operations) undertaken for the Project.	
Possible Reason for Action or Limit Level Non-compliance	Since there were no marine works undertaken for the Project, the exceedance was unlikely to be caused by the Project. Moreover, Suspended Solids (SS) Levels of all Impact Stations were far below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_17 Dec 07_Turb_E_Station IMO1** **0018105_17 Dec 07_Turb_E_Station MPB1** **0018105_17 Dec 07_Turb_E_Station MPB2** **0018105_17 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 4]**	
Date	17 December 2007 (Measured) 21 December 2007 (Result received by ERM)	
Monitoring Station	Stations IMO1, MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	8.7
	Mid-Flood	7.6
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 16.38 NTU (exceeds Action Level) Station MPB1 – 8.90 NTU (exceeds Action Level) Station MPB2 – 11.12 NTU (exceeds Action Level) Station MP – 13.97 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 5.82 NTU Station MPB1 – 8.55 NTU Station MPB2 – 9.77 NTU Station MP – 11.75 NTU
Construction Works Undertaken (at the time of monitoring event)	On 17 November, the construction works for the Project involved mobilization of marine plant and site setting. There were no marine works (ie dredging operations) undertaken for the Project.	
Possible Reason for Action or Limit Level Non-compliance	Since there were no marine works undertaken for the Project, the exceedance was unlikely to be caused by the Project. Moreover, Suspended Solids (SS) Levels of all Impact Stations were far below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	12/17/07
Weather & Ambient Temperature	Cloudy, 24C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	17:17-17:20							
Water Depth (m)	20.27							
Monitoring Depth (m)	1.00		10.13		19.27			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.2	21.7	21.7	21.8	21.1	20.8	21.37	-
Salinity (ppt)	39.6	38.1	41.1	44.7	42.7	49.7	42.63	-
pH	7.8	7.9	8.0	8.0	8.0	8.0	7.94	
D.O. Saturation (%)	98.7	98.2	100.8	102.9	101.0	105.6	101.20	-
D.O. (mg/L)	7.0	6.9	7.0	7.0	7.0	7.1	6.98	7.04
Turbidity (NTU)	4.3	4.6	4.6	4.6	8.5	8.6	5.87	-
SS (mg/L)	7.0	7.0	6.0	7.0	6.0	8.0	6.83	-
Remarks								

Station	MPB1							
Time (hh:mm)	17:45-17:47							
Water Depth (m)	8.44							
Monitoring Depth (m)	1.00		4.22		7.44			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.4	21.3	21.3	21.4	21.4	21.38	-
Salinity (ppt)	39.0	39.3	40.2	40.1	40.6	40.7	39.99	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.91	
D.O. Saturation (%)	85.2	85.7	86.5	85.8	86.0	89.0	86.37	-
D.O. (mg/L)	6.0	6.0	6.1	6.0	6.0	6.2	6.05	6.11
Turbidity (NTU)	6.8	7.0	9.2	8.6	9.8	9.9	8.55	-
SS (mg/L)	6.0	8.0	13.0	13.0	11.0	10.0	10.17	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	18:14-18:16						Northing	Easting
Water Depth (m)	15.55						22.21.527	113.54.636
Monitoring Depth (m)	1.00		7.78		14.55			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.4	21.3	21.3	21.2	20.6	21.20	-
Salinity (ppt)	39.6	39.8	42.7	42.7	43.3	44.1	42.06	-
pH	7.9	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	90.1	91.2	92.2	90.7	90.5	92.8	91.25	-
D.O. (mg/L)	6.3	6.4	6.4	6.3	6.2	6.44	6.34	6.34
Turbidity (NTU)	4.0	4.8	5.3	5.9	7.2	7.7	5.82	-
SS (mg/L)	6.0	4.0	7.0	7.0	8.0	6.0	6.33	-
Remarks								

Station	MPB2							
Time (hh:mm)	17:54-17:55							
Water Depth (m)	9.19							
Monitoring Depth (m)	1.00		4.60		8.19			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.5	21.3	20.8	21.2	21.2	21.24	-
Salinity (ppt)	38.7	38.8	40.2	41.0	42.1	41.8	40.43	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	87.3	87.6	90.4	90.8	92.4	89.1	89.60	-
D.O. (mg/L)	6.2	6.2	6.3	6.4	6.4	6.2	6.28	6.30
Turbidity (NTU)	6.3	7.4	10.2	11.1	12.3	11.3	9.77	-
SS (mg/L)	6.0	5.0	8.0	6.0	13.0	12.0	8.33	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	18:06-18:08						Northing	Easting
Water Depth (m)	10.79						22.21.166	113.54.622
Monitoring Depth (m)	1.00		5.40		9.79			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.5	21.4	21.4	21.2	21.2	21.36	-
Salinity (ppt)	39.7	39.5	42.1	42.0	43.4	43.0	41.61	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.99	
D.O. Saturation (%)	91.2	90.9	92.7	92.6	93.4	90.7	91.92	-
D.O. (mg/L)	6.4	6.4	6.4	6.4	6.4	6.27	6.38	6.35
Turbidity (NTU)	4.3	4.2	5.3	5.8	9.4	9.7	6.45	-
SS (mg/L)	4.0	4.0	7.0	7.0	10.0	9.0	6.83	-
Remarks								

Station	MP							
Time (hh:mm)	17:37-17:38							
Water Depth (m)	6.33							
Monitoring Depth (m)	1.00		3.17		5.33			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.4	21.4	21.4	21.6	21.4	21.45	-
Salinity (ppt)	38.3	38.9	39.9	39.6	40.2	39.7	39.42	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.91	
D.O. Saturation (%)	86.7	87.5	87.6	87.0	91.0	87.8	87.93	-
D.O. (mg/L)	6.1	6.2	6.1	6.1	6.3	6.2	6.17	6.25
Turbidity (NTU)	8.8	8.0	10.6	12.6	15.8	14.7	11.75	-
SS (mg/L)	7.0	6.0	11.0	9.0	15.0	15.0	10.50	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.0	7.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	7.6	NA	N	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	8.9	8.9	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/17/07
Weather & Ambient Temperature	Sunny, 25C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:05-13:08							
Water Depth (m)	15.90							
Monitoring Depth (m)	1.00		7.95		14.90			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.6	20.7	21.6	21.2	21.5	21.40	-
Salinity (ppt)	37.7	40.0	38.5	40.8	37.3	41.4	39.28	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	97.2	96.8	98.2	96.8	97.6	97.2	97.30	-
D.O. (mg/L)	6.8	6.8	7.0	6.7	7.0	6.7	6.84	6.85
Turbidity (NTU)	4.4	4.1	6.2	6.3	10.1	9.6	6.78	-
SS (mg/L)	4.0	7.0	8.0	8.0	18.0	15.0	10.00	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	14:34-14:35							
Water Depth (m)	6.58							
Monitoring Depth (m)	1.00		3.29		5.58			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.6	21.8	20.8	21.3	21.7	21.52	-
Salinity (ppt)	41.2	40.6	43.0	42.7	43.5	45.3	42.72	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	93.3	92.7	94.5	94.0	93.5	96.4	94.07	-
D.O. (mg/L)	6.4	6.5	6.5	6.6	6.4	6.5	6.47	6.47
Turbidity (NTU)	5.0	4.6	6.4	6.0	8.8	8.6	6.57	-
SS (mg/L)	5.0	5.0	7.0	5.0	8.0	7.0	6.17	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:28-13:31						Northing	Easting
Water Depth (m)	16.22						22.21.628	113.54.589
Monitoring Depth (m)	1.00		8.11		15.22			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	21.4	21.4	21.5	21.5	21.55	-
Salinity (ppt)	40.2	39.9	40.7	41.1	41.8	41.4	40.84	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	96.7	96.5	95.8	94.9	95.0	95.6	95.75	-
D.O. (mg/L)	6.7	6.7	6.7	6.6	6.6	6.6	6.66	6.61
Turbidity (NTU)	5.3	5.5	12.5	13.9	31.2	29.9	16.38	-
SS (mg/L)	4.0	4.0	18.0	18.0	57.0	34.0	22.50	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:38-13:40						Northing	Easting
Water Depth (m)	11.24						22.21.269	113.54.681
Monitoring Depth (m)	1.00		5.62		10.24			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.9	21.6	21.7	21.5	21.1	21.58	-
Salinity (ppt)	40.3	40.1	40.3	40.4	40.5	41.3	40.48	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	95.5	95.4	95.0	95.5	95.0	98.7	95.85	-
D.O. (mg/L)	6.6	6.6	6.6	6.6	6.6	6.9	6.68	6.77
Turbidity (NTU)	5.6	5.4	7.0	6.2	10.1	9.0	7.22	-
SS (mg/L)	5.0	6.0	7.0	7.0	8.0	8.0	6.83	-
Remarks								

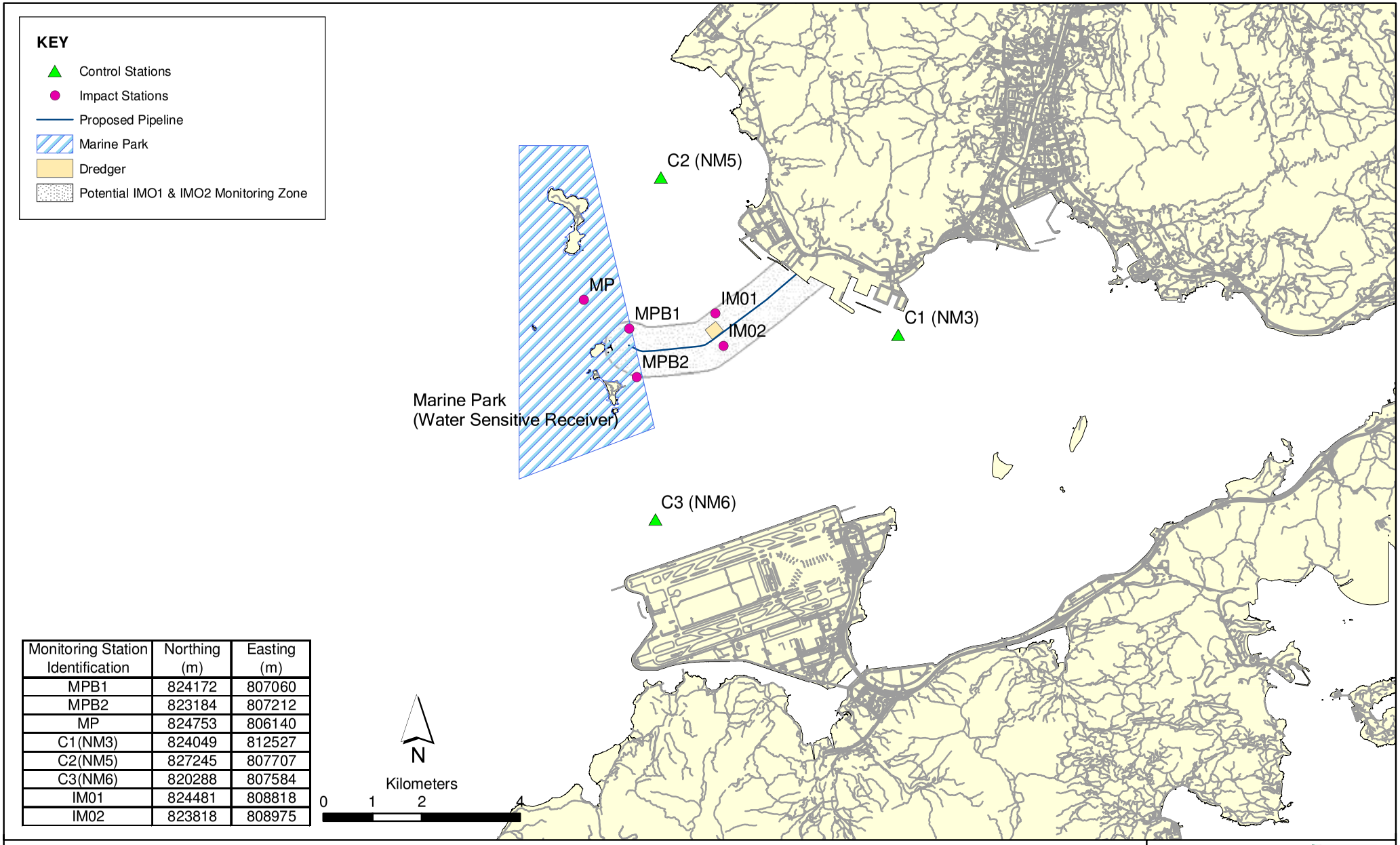
Station	MPB1							
Time (hh:mm)	14:06-14:08							
Water Depth (m)	8.27							
Monitoring Depth (m)	1.00		4.13		7.27			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.5	20.9	21.4	21.4	21.3	21.31	-
Salinity (ppt)	37.7	37.8	39.6	39.1	40.0	40.0	39.06	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.88	
D.O. Saturation (%)	89.1	87.2	88.2	86.8	88.9	87.2	87.90	-
D.O. (mg/L)	6.3	6.2	6.2	6.1	6.2	6.1	6.20	6.18
Turbidity (NTU)	6.6	7.3	8.5	9.2	11.0	10.8	8.90	-
SS (mg/L)	6.0	8.0	10.0	12.0	11.0	12.0	9.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	14:15-14:17							
Water Depth (m)	8.24							
Monitoring Depth (m)	1.00		4.12		7.24			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.3	21.3	21.3	21.2	21.38	-
Salinity (ppt)	38.4	38.3	39.9	40.0	40.3	40.2	39.52	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.90	
D.O. Saturation (%)	88.9	87.3	88.1	87.1	91.1	87.7	88.37	-
D.O. (mg/L)	6.3	6.2	6.2	6.1	6.4	6.2	6.21	6.27
Turbidity (NTU)	7.1	8.2	11.1	10.7	15.1	14.5	11.12	-
SS (mg/L)	6.0	8.0	11.0	11.0	12.0	12.0	10.00	-
Remarks								

Station	MP							
Time (hh:mm)	13:57-13:59							
Water Depth (m)	6.00							
Monitoring Depth (m)	1.00		3.00		5.00			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.8	21.6	21.5	20.8	21.6	21.47	-
Salinity (ppt)	37.6	37.4	38.2	38.2	40.2	39.7	38.57	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.88	
D.O. Saturation (%)	93.2	92.2	93.6	92.6	94.0	94.6	93.37	-
D.O. (mg/L)	6.6	6.5	6.6	6.6	6.7	6.6	6.59	6.64
Turbidity (NTU)	6.7	6.6	10.2	10.9	24.6	24.8	13.97	-
SS (mg/L)	8.0	9.0	7.0	8.0	10.0	20.0	10.33	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.7	6.7	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.7	6.7	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	8.7	NA	Y	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	10.5	10.5	N	N	N	N	N	N	N	N	N	N



Monitoring Station Identification	Northing (m)	Easting (m)
MPB1	824172	807060
MPB2	823184	807212
MP	824753	806140
C1(NM3)	824049	812527
C2(NM5)	827245	807707
C3(NM6)	820288	807584
IM01	824481	808818
IM02	823818	808975

Impact Water Quality Monitoring Locations (17 December 2007)

File: 0018105_4.mxd
Date: 23/01/2006

Environmental Resources Management

ERM

Facsimile message

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3102
Facsimile: (852) 2723 5660
E-mail: marcus.ip@erm.com

To	Dr Guiyi Li, Hyder Mr Philip Siu, FSR Mr Brian Gillon, Leighton
Copied to	
From	Craig Reid
Ref/Project number	*0018105_NOE_20071227.doc*
Subject	Notification of Exceedance for Water Quality
Date	27 December 2007

To Whom It May Concern,

Please find attached the Notification of Exceedance (NOE) (Log no.: 0018105_18 Dec 07_Turb_F_Station MP, 0018105_18 Dec 07_Turb_E_Station MPB1, 0018105_18 Dec 07_Turb_E_Station MPB2, 0018105_18 Dec 07_Turb_E_Station MP, 0018105_19 Dec 07_Turb_E_Station IMO1, 0018105_19 Dec 07_Turb_E_Station MPB1, 0018105_19 Dec 07_Turb_E_Station MPB2, 0018105_19 Dec 07_Turb_E_Station MP, 0018105_19 Dec 07_Turb_F_Station IMO1, 0018105_19 Dec 07_Turb_F_Station MPB2,) recorded on 18 and 19 December 2007.

Regards,

Craig Reid
Environmental Team Leader

Destination fax number: 2805 5028 (Hyder), 2563 6311 (FSR), 2404 0081 (Leighton)

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_18 Dec 07_Turb_F_Station MP [Total No. of Exceedances = 1]**	
Date	18 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Station MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.8 NTU
	Mid-Flood	15.0 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MP – 7.78 NTU
	Mid-Flood	Station MP – 20.30 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 18 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December (when no dredging was undertaken), whose value was comparable to that of 18 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were far below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_18 Dec 07_Turb_E_Station MPB1** **0018105_18 Dec 07_Turb_E_Station MPB2** **0018105_18 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 3]**	
Date	18 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Stations MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.8
	Mid-Flood	15.0
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station MPB1 – 8.63 NTU (exceeds Action Level) Station MPB2 – 7.20 NTU (exceeds Action Level) Station MP – 7.78 NTU (exceeds Action Level)
	Mid-Flood	Station MPB1 – 8.82 NTU Station MPB2 – 5.88 NTU Station MP – 20.30 NTU
Construction Works Undertaken (at the time of monitoring event)	On 18 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was comparable to that of 18 December 2007 • Suspended Solids (SS) Levels of all Impact Stations were far below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	12/18/07
Weather & Ambient Temperature	Sunny, 23C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	13:06-13:09							
Water Depth (m)	15.99							
Monitoring Depth (m)	1.00		7.99		14.99			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.1	21.9	21.8	21.7	20.8	21.68	-
Salinity (ppt)	39.5	39.0	40.6	39.9	40.1	40.5	39.93	-
pH	8.0	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	98.4	103.5	102.1	98.9	99.8	103.8	101.08	-
D.O. (mg/L)	6.9	7.2	7.1	6.9	7.0	7.3	7.05	7.15
Turbidity (NTU)	3.2	2.7	9.1	9.5	15.0	15.5	9.17	-
SS (mg/L)	4.0	5.0	10.0	14.0	13.0	16.0	10.33	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	14:30-14:32							
Water Depth (m)	7.15							
Monitoring Depth (m)	1.00		3.57		6.15			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	21.8	21.7	21.9	21.9	21.85	-
Salinity (ppt)	38.7	38.3	39.8	40.3	40.0	40.1	39.55	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	98.9	100.0	100.2	99.4	103.5	99.2	100.20	-
D.O. (mg/L)	6.9	7.0	7.0	6.9	7.2	6.9	6.98	7.03
Turbidity (NTU)	9.6	9.8	15.5	15.6	16.5	16.7	13.95	-
SS (mg/L)	5.0	6.0	8.0	8.0	13.0	13.0	8.83	-
Remarks								

Station	MPB1							
Time (hh:mm)	14:03-14:05							
Water Depth (m)	8.04							
Monitoring Depth (m)	1.00		4.02		7.04			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	21.4	21.6	21.4	21.5	21.61	-
Salinity (ppt)	37.3	37.4	38.8	39.0	40.5	40.4	38.88	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.91	
D.O. Saturation (%)	90.4	89.3	88.8	89.2	90.7	90.2	89.77	-
D.O. (mg/L)	6.4	6.3	6.3	6.3	6.3	6.3	6.31	6.32
Turbidity (NTU)	4.5	4.5	9.3	9.1	12.9	12.6	8.82	-
SS (mg/L)	7.0	5.0	5.0	5.0	8.0	7.0	6.17	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:26-13:29						Northing	Easting
Water Depth (m)	16.31						22.21.632	113..54.565
Monitoring Depth (m)	1.00		8.16		15.31			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	22.0	21.4	20.9	21.8	21.8	21.60	-
Salinity (ppt)	38.3	38.0	40.6	41.3	41.1	41.3	40.10	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	88.8	89.7	88.8	88.5	87.4	87.5	88.45	-
D.O. (mg/L)	6.2	6.3	6.2	6.2	6.1	6.1	6.17	6.05
Turbidity (NTU)	4.2	4.1	9.1	10.8	28.9	30.1	14.53	-
SS (mg/L)	5.0	5.0	7.0	6.0	9.0	10.0	7.00	-
Remarks								

Station	MPB2							
Time (hh:mm)	14:13-14:14							
Water Depth (m)	8.93							
Monitoring Depth (m)	1.00		4.46		7.93			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.0	22.0	21.7	21.6	21.6	21.7	21.76	-
Salinity (ppt)	37.0	36.7	38.5	39.0	39.5	39.0	38.25	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.93	
D.O. Saturation (%)	90.9	91.3	90.6	90.5	91.8	93.1	91.37	-
D.O. (mg/L)	6.4	6.5	6.4	6.4	6.4	6.5	6.43	6.48
Turbidity (NTU)	4.1	3.9	5.2	5.8	8.1	8.2	5.88	-
SS (mg/L)	6.0	5.0	8.0	5.0	6.0	6.0	6.00	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:37-13:39						Northing	Easting
Water Depth (m)	10.44						22.21.164	113.54.649
Monitoring Depth (m)	1.00		5.22		9.44			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	22.1	21.6	21.5	21.1	21.6	21.63	-
Salinity (ppt)	38.9	38.5	39.0	39.4	39.5	39.3	39.09	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	90.9	91.5	90.1	89.7	92.0	90.5	90.78	-
D.O. (mg/L)	6.4	6.4	6.3	6.3	6.5	6.3	6.37	6.42
Turbidity (NTU)	6.4	6.5	14.8	13.3	20.9	22.0	13.98	-
SS (mg/L)	4.0	6.0	5.0	7.0	18.0	18.0	9.67	-
Remarks								

Station	MP							
Time (hh:mm)	13:53-13:54							
Water Depth (m)	5.79							
Monitoring Depth (m)	1.00		2.89		4.79			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.9	-	-	21.8	21.9	21.94	-
Salinity (ppt)	35.9	36.5	-	-	38.3	38.3	37.24	-
pH	7.8	7.8	-	-	7.9	8.0	7.89	
D.O. Saturation (%)	93.0	92.1	-	-	95.5	91.9	93.13	-
D.O. (mg/L)	6.6	6.5	-	-	6.7	6.4	6.57	6.58
Turbidity (NTU)	10.8	10.4	-	-	29.1	30.9	20.30	-
SS (mg/L)	8.0	6.0	-	-	14.0	12.0	10.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.1	7.1	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	15.0	NA	N	NA	N	NA	N	NA	N	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	12.5	12.5	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/18/07
Weather & Ambient Temperature	Cloudy, 21C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	18:22-18:25							
Water Depth (m)	20.33							
Monitoring Depth (m)	1.00		10.17		19.33			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.7	21.8	21.9	21.7	21.7	21.78	-
Salinity (ppt)	38.3	38.3	40.7	40.6	42.1	41.3	40.20	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.92	
D.O. Saturation (%)	101.6	99.2	100.2	100.7	102.1	100.6	100.73	-
D.O. (mg/L)	7.2	7.0	6.9	7.0	7.0	7.0	7.00	6.99
Turbidity (NTU)	4.1	3.7	3.8	4.0	5.6	5.5	4.45	-
SS (mg/L)	4.0	6.0	5.0	6.0	9.0	6.0	6.00	-
Remarks								

Station	MPB1							
Time (hh:mm)	18:51-18:52							
Water Depth (m)	6.63							
Monitoring Depth (m)	1.00		3.32		5.63			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.6	21.6	21.5	21.6	21.57	-
Salinity (ppt)	38.4	38.3	38.6	38.9	39.0	38.4	38.58	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.93	
D.O. Saturation (%)	93.3	93.5	93.9	93.6	94.2	94.2	93.78	-
D.O. (mg/L)	6.6	6.6	6.6	6.6	6.6	6.6	6.60	6.63
Turbidity (NTU)	7.1	7.0	8.9	8.8	9.6	10.4	8.63	-
SS (mg/L)	6.0	6.0	6.0	7.0	8.0	10.0	7.17	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	19:23-19:25						Northing	Easting
Water Depth (m)	17.05						22.21.627	113.54.582
Monitoring Depth (m)	1.00		8.53		16.05			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.5	21.6	21.3	21.5	21.51	-
Salinity (ppt)	38.6	38.9	41.0	40.7	41.6	41.1	40.30	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	95.1	94.5	93.3	93.6	93.6	94.2	94.05	-
D.O. (mg/L)	6.7	6.6	6.5	6.5	6.5	6.55	6.56	6.53
Turbidity (NTU)	4.1	4.3	4.4	4.8	6.9	6.6	5.18	-
SS (mg/L)	6.0	6.0	6.0	7.0	7.0	9.0	6.83	-
Remarks								

Station	MPB2							
Time (hh:mm)	18:59-19:00							
Water Depth (m)	9.09							
Monitoring Depth (m)	1.00		4.55		8.09			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	21.7	21.4	21.5	21.4	21.5	21.53	-
Salinity (ppt)	38.5	38.6	40.2	40.1	40.5	40.7	39.76	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.94	
D.O. Saturation (%)	92.1	94.0	91.2	92.6	91.4	96.3	92.93	-
D.O. (mg/L)	6.5	6.6	6.4	6.5	6.4	6.7	6.51	6.55
Turbidity (NTU)	4.2	3.8	8.6	8.3	9.3	9.0	7.20	-
SS (mg/L)	5.0	6.0	7.0	6.0	8.0	8.0	6.67	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	18:13-18:14						Northing	Easting
Water Depth (m)	11.14						22.21.165	113.54.662
Monitoring Depth (m)	1.00		5.57		10.14			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.7	21.7	21.5	21.7	21.7	21.5	21.62	-
Salinity (ppt)	38.4	38.7	39.2	38.7	39.4	40.1	39.07	-
pH	7.9	8.0	8.0	8.0	8.0	8.0	7.95	
D.O. Saturation (%)	95.1	94.5	94.2	96.2	100.2	95.0	95.87	-
D.O. (mg/L)	6.7	6.6	6.6	6.8	7.0	6.63	6.72	6.82
Turbidity (NTU)	6.8	6.2	9.7	10.2	10.1	10.5	8.92	-
SS (mg/L)	5.0	7.0	5.0	6.0	8.0	10.0	6.83	-
Remarks								

Station	MP							
Time (hh:mm)	18:41-18:42							
Water Depth (m)	5.82							
Monitoring Depth (m)	1.00		2.91		4.82			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	-	-	21.8	21.7	21.75	-
Salinity (ppt)	37.6	37.2	-	-	37.5	37.9	37.55	-
pH	7.9	7.9	-	-	7.9	7.9	7.90	
D.O. Saturation (%)	97.2	101.2	-	-	105.0	97.9	100.33	-
D.O. (mg/L)	6.9	7.2	-	-	7.4	6.9	7.08	7.16
Turbidity (NTU)	6.2	5.9	-	-	9.7	9.3	7.78	-
SS (mg/L)	6.0	6.0	-	-	6.0	6.0	6.00	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.0	7.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	7.0	7.0	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.8	NA	N	NA	Y	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	7.8	7.8	N	N	N	N	N	N	N	N	N	N

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_19 Dec 07_Turb_E_Station IMO1** **0018105_19 Dec 07_Turb_E_Station MPB1** **0018105_19 Dec 07_Turb_E_Station MPB2** **0018105_19 Dec 07_Turb_E_Station MP** **[Total No. of Exceedances = 4]**	
Date	19 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Stations IMO1, MPB1, MPB2, MP	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.5 NTU
	Mid-Flood	7.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 9.05 NTU (exceeds Action Level) Station MPB1 – 5.72 NTU (exceeds Action Level) Station MPB2 – 5.98 NTU (exceeds Action Level) Station MP – 9.25 NTU (exceeds Action Level)
	Mid-Flood	Station IMO1 – 8.58 NTU Station MPB1 – 5.83 NTU Station MPB2 – 7.97 NTU Station MP – 7.05 NTU
Construction Works Undertaken (at the time of monitoring event)	On 19 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than that of 19 December 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

ERM-Hong Kong Ltd

PERMANENT AVIATION FUEL FACILITY (PAFF)

- Construction Phase Water Quality Monitoring -

Notification of Exceedance

Log No.	**0018105_19 Dec 07_Turb_F_Station IMO1** **0018105_19 Dec 07_Turb_F_Station MPB2** **[Total No. of Exceedances = 2]**	
Date	19 December 2007 (Measured) 24 December 2007 (Result received by ERM)	
Monitoring Station	Stations IMO1, MPB2	
Parameter	Depth-averaged Turbidity (NTU)	
Action Levels	*Mid-Ebb*	5.5 NTU
	Mid-Flood	7.4 NTU
Limit Levels	*Mid-Ebb*	N/A
	Mid-Flood	N/A
Measured Levels	*Mid-Ebb*	Station IMO1 – 9.05 NTU Station MPB2 – 5.98 NTU
	Mid-Flood	Station IMO1 – 8.58 NTU (exceeds Action Level) Station MPB2 – 7.97 NTU (exceeds Action Level)
Construction Works Undertaken (at the time of monitoring event)	On 19 December, the construction works for the Project involved mainly dredging operations.	
Possible Reason for Action or Limit Level Non-compliance	Although dredging operation was undertaken for the Project, the exceedance was unlikely to be caused by the Project due to the following: • Exceedance of Action Level of Depth-averaged Turbidity was found on 17 December 2007 (when no dredging was undertaken), whose value was higher than that of 19 December 2008 • Suspended Solids (SS) Levels of all Impact Stations were below Action and Limit Levels during the same tide at the same day. The exceedance was hence considered to be isolated case and may be due to the regional natural fluctuation.	
Actions Taken / To Be Taken	No action is considered necessary.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Sampling Date	12/19/07
Weather & Ambient Temperature	Cloudy, 19C

Mid-Ebb

Station	C2 (NM5)							
Time (hh:mm)	8:03-8:05							
Water Depth (m)	20.65							
Monitoring Depth (m)	1.00		10.33		19.65			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.5	21.6	20.3	21.6	20.3	21.6	21.15	-
Salinity (ppt)	40.4	40.9	45.8	44.4	46.0	45.0	43.75	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	94.0	93.3	92.1	92.6	93.0	96.2	93.53	-
D.O. (mg/L)	6.6	6.5	6.4	6.3	6.4	6.5	6.44	6.47
Turbidity (NTU)	4.8	3.9	3.6	3.9	4.5	4.7	4.23	-
SS (mg/L)	6.0	5.0	7.0	7.0	6.0	4.0	5.83	-
Remarks								

Station	MPB1							
Time (hh:mm)	8:26-8:27							
Water Depth (m)	7.87							
Monitoring Depth (m)	1.00		3.94		6.87			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.4	21.6	21.6	21.6	21.6	21.63	-
Salinity (ppt)	40.5	41.4	44.2	43.6	44.4	45.0	43.17	-
pH	7.9	7.9	8.0	8.0	8.0	7.9	7.95	
D.O. Saturation (%)	91.4	93.0	94.1	92.1	93.2	98.1	93.65	-
D.O. (mg/L)	6.3	6.5	6.4	6.3	6.3	6.7	6.41	6.50
Turbidity (NTU)	5.5	5.4	5.5	5.3	6.1	6.5	5.72	-
SS (mg/L)	7.0	10.0	8.0	9.0	6.0	7.0	7.83	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	7:42-7:43						Northing	Easting
Water Depth (m)	13.59						22.21.528	113.54.492
Monitoring Depth (m)	1.00		6.80		12.59			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.4	22.4	21.9	22.4	21.7	21.9	22.11	-
Salinity (ppt)	36.5	36.3	40.6	39.8	41.4	41.6	39.37	-
pH	7.9	7.9	8.0	8.0	8.0	8.0	7.96	
D.O. Saturation (%)	98.7	98.7	97.2	98.3	98.7	100.0	98.60	-
D.O. (mg/L)	6.9	6.9	6.7	6.8	6.8	6.88	6.85	6.85
Turbidity (NTU)	6.5	6.1	8.6	8.7	12.4	12.0	9.05	-
SS (mg/L)	4.0	5.0	6.0	4.0	7.0	19.0	7.50	-
Remarks								

Station	MPB2							
Time (hh:mm)	8:33-8:34							
Water Depth (m)	8.86							
Monitoring Depth (m)	1.00		4.43		7.86			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.1	21.4	20.2	21.5	21.5	22.2	21.48	-
Salinity (ppt)	41.1	41.6	43.9	42.6	43.4	42.4	42.52	-
pH	8.0	7.9	7.9	8.0	7.9	8.0	7.94	
D.O. Saturation (%)	91.7	92.8	94.2	92.2	95.5	92.2	93.10	-
D.O. (mg/L)	6.3	6.4	6.6	6.4	6.5	6.3	6.42	6.41
Turbidity (NTU)	6.1	6.0	5.8	6.1	5.8	6.1	5.98	-
SS (mg/L)	7.0	6.0	7.0	7.0	6.0	8.0	6.83	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	7:31-7:32						Northing	Easting
Water Depth (m)	11.06						22.21.142	113.54.914
Monitoring Depth (m)	1.00		5.53		10.06			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.9	21.9	20.4	22.4	21.8	21.9	21.72	-
Salinity (ppt)	39.6	39.6	41.8	39.6	41.9	41.0	40.61	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.97	
D.O. Saturation (%)	102.7	104.8	107.3	101.8	107.9	102.2	104.45	-
D.O. (mg/L)	7.2	7.3	7.6	7.0	7.4	7.05	7.25	7.24
Turbidity (NTU)	3.7	3.8	5.2	5.1	6.6	6.7	5.18	-
SS (mg/L)	5.0	3.0	5.0	5.0	6.0	4.0	4.67	-
Remarks								

Station	MP							
Time (hh:mm)	8:18-8:19							
Water Depth (m)	5.42							
Monitoring Depth (m)	1.00		2.71		4.42			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.4	21.4	-	-	21.5	21.4	21.41	-
Salinity (ppt)	41.7	41.3	-	-	42.4	43.3	42.18	-
pH	7.9	8.0	-	-	7.9	7.9	7.93	
D.O. Saturation (%)	97.5	94.1	-	-	95.1	100.5	96.80	-
D.O. (mg/L)	6.8	6.6	-	-	6.6	6.9	6.70	6.73
Turbidity (NTU)	9.4	9.6	-	-	9.0	9.0	9.25	-
SS (mg/L)	11.0	9.0	-	-	13.0	13.0	11.50	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C2 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	6.5	6.5	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.4	6.4	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	5.5	NA	Y	NA	N	NA	Y	NA	Y	NA	Y	NA
SS (Depth-averaged)	24.0	37.0	7.6	7.6	N	N	N	N	N	N	N	N	N	N

Sampling Date	12/19/07
Weather & Ambient Temperature	Sunny, 19C

Mid-Flood

Station	C1 (NM3)							
Time (hh:mm)	14:01-14:03							
Water Depth (m)	16.46							
Monitoring Depth (m)	1.00		8.23		15.46			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.6	21.6	21.6	21.6	21.5	21.6	21.57	-
Salinity (ppt)	47.3	47.8	47.6	48.3	49.2	48.1	48.03	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.01	
D.O. Saturation (%)	95.0	95.5	94.7	95.8	99.4	95.6	96.00	-
D.O. (mg/L)	6.4	6.4	6.3	6.4	6.6	6.4	6.40	6.48
Turbidity (NTU)	5.8	5.2	5.5	6.0	7.2	7.7	6.23	-
SS (mg/L)	11.0	8.0	10.0	8.0	9.0	6.0	8.67	-
Remarks								

Station	C3 (NM6)							
Time (hh:mm)	12:35-12:36							
Water Depth (m)	6.65							
Monitoring Depth (m)	1.00		3.33		5.65			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.9	21.8	20.4	21.9	21.8	21.59	-
Salinity (ppt)	39.3	39.2	39.3	41.1	40.4	39.8	39.85	-
pH	7.9	7.9	7.9	7.9	7.9	7.9	7.92	
D.O. Saturation (%)	106.7	103.1	104.9	109.2	108.0	105.9	106.30	-
D.O. (mg/L)	7.5	7.2	7.3	7.7	7.5	7.4	7.43	7.43
Turbidity (NTU)	4.8	4.5	5.0	5.4	5.7	5.4	5.13	-
SS (mg/L)	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-
Remarks								

Station	IMO1						Co-ordinates	
Time (hh:mm)	13:28-13:30						Northing	Easting
Water Depth (m)	16.77						22.21.627	113.54.592
Monitoring Depth (m)	1.00		8.38		15.77			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.3	21.8	21.8	22.4	22.2	21.6	21.86	-
Salinity (ppt)	44.9	44.5	45.7	46.0	47.3	47.3	45.94	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	8.02	
D.O. Saturation (%)	91.9	92.1	90.3	89.9	91.1	94.7	91.67	-
D.O. (mg/L)	6.3	6.2	6.1	6.0	6.0	6.3	6.15	6.18
Turbidity (NTU)	4.2	4.5	7.7	8.1	13.7	13.3	8.58	-
SS (mg/L)	5.0	4.0	6.0	6.0	9.0	7.0	6.17	-
Remarks								

Station	IMO2						Co-ordinates	
Time (hh:mm)	13:37-13:39						Northing	Easting
Water Depth (m)	10.47						22.21.163	113.54.646
Monitoring Depth (m)	1.00		5.23		9.47			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.8	21.8	20.6	21.7	21.7	21.58	-
Salinity (ppt)	45.0	45.1	45.5	46.7	47.2	47.5	46.16	-
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.98	
D.O. Saturation (%)	94.9	94.0	93.0	95.9	91.9	97.8	94.58	-
D.O. (mg/L)	6.4	6.3	6.3	6.5	6.1	6.5	6.37	6.34
Turbidity (NTU)	4.3	4.4	6.7	6.8	10.1	10.5	7.13	-
SS (mg/L)	5.0	4.0	8.0	6.0	6.0	4.0	5.50	-
Remarks								

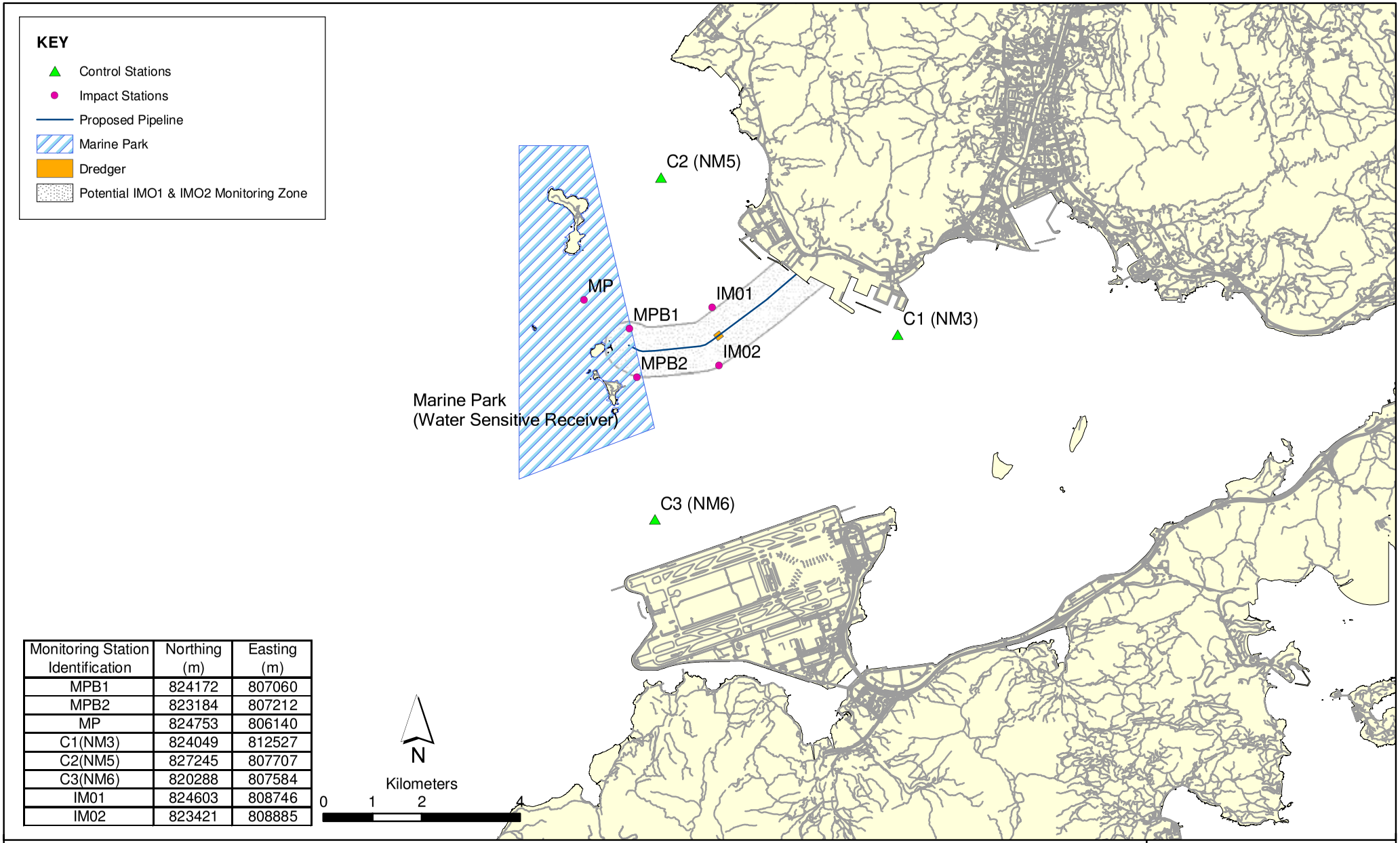
Station	MPB1							
Time (hh:mm)	13:03-13:04							
Water Depth (m)	8.17							
Monitoring Depth (m)	1.00		4.08		7.17			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	20.3	21.6	21.7	21.7	22.3	21.6	21.53	-
Salinity (ppt)	40.7	39.6	40.8	40.8	40.3	41.0	40.53	-
pH	7.9	7.9	7.9	8.0	8.0	7.9	7.95	
D.O. Saturation (%)	94.7	95.1	97.0	93.6	93.3	98.0	95.28	-
D.O. (mg/L)	6.7	6.7	6.7	6.5	6.4	6.8	6.64	6.61
Turbidity (NTU)	5.6	5.8	5.9	5.6	6.0	6.1	5.83	-
SS (mg/L)	8.0	6.0	7.0	6.0	7.0	6.0	6.67	-
Remarks								

Station	MPB2							
Time (hh:mm)	12:53-12:55							
Water Depth (m)	8.70							
Monitoring Depth (m)	1.00		4.35		7.70			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	21.8	21.7	21.8	21.9	20.3	20.3	21.28	-
Salinity (ppt)	37.1	37.4	38.0	37.8	42.6	42.7	39.26	-
pH	7.9	7.9	7.9	7.9	8.0	8.0	7.95	
D.O. Saturation (%)	101.7	100.2	100.5	103.6	105.5	101.9	102.23	-
D.O. (mg/L)	7.2	7.1	7.1	7.3	7.4	7.2	7.21	7.29
Turbidity (NTU)	6.9	7.3	8.1	8.3	8.5	8.7	7.97	-
SS (mg/L)	8.0	6.0	8.0	6.0	9.0	8.0	7.50	-
Remarks								

Station	MP							
Time (hh:mm)	13:12-13:13							
Water Depth (m)	5.62							
Monitoring Depth (m)	1.00		2.81		4.62			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	*Depth-averaged*	*Bottom*
Water Temperature (°C)	22.3	20.3	-	-	21.7	21.7	21.47	-
Salinity (ppt)	40.3	42.3	-	-	42.5	42.5	41.88	-
pH	7.9	7.9	-	-	7.9	7.9	7.94	
D.O. Saturation (%)	93.7	93.2	-	-	93.0	98.2	94.53	-
D.O. (mg/L)	6.5	6.6	-	-	6.4	6.8	6.54	6.57
Turbidity (NTU)	6.8	6.7	-	-	7.3	7.4	7.05	-
SS (mg/L)	10.0	7.0	-	-	8.0	6.0	7.75	-
Remarks								

Compliance with Action and Limit Level

Parameter	As in EM&A		C1 & C3 Mean		IMO1		IMO2		MPB1		MPB2		MP	
	Action Level	Limit Level	Action Level	Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action Level	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level	Exceedance of Action	Exceedance of Limit Level
DO (Bottom)	4.2	4.0	7.0	7.0	N	N	N	N	N	N	N	N	N	N
DO (Depth-averaged)	3.3	2.5	6.9	6.9	N	N	N	N	N	N	N	N	N	N
Turbidity (Depth-averaged)	NA	NA	7.4	NA	Y	NA	N	NA	N	NA	Y	NA	N	NA
SS (Depth-averaged)	24.0	37.0	5.6	5.6	N	N	N	N	N	N	N	N	N	N



Monitoring Station Identification	Northing (m)	Easting (m)
MPB1	824172	807060
MPB2	823184	807212
MP	824753	806140
C1(NM3)	824049	812527
C2(NM5)	827245	807707
C3(NM6)	820288	807584
IM01	824603	808746
IM02	823421	808885

Impact Water Quality Monitoring Locations (18 & 19 December 2007)

Environmental Resources Management

ERM

File: 0018105_18Dec07.mxd
Date: 27/12/2007

Table 1 - Calculation of Action Level for Turbidity (NTU)

Water Control Zone	Station	Dates	Depth	Turbidity (NTU)
North Western	NM3	1/14/1998	Surface Water	7.8
North Western	NM3	1/14/1998	Middle Water	7.6
North Western	NM3	1/14/1998	Bottom Water	7.5
North Western	NM3	3/9/1998	Surface Water	4.6
North Western	NM3	3/9/1998	Middle Water	4.2
North Western	NM3	3/9/1998	Bottom Water	7.3
North Western	NM3	5/8/1998	Surface Water	6.2
North Western	NM3	5/8/1998	Middle Water	5
North Western	NM3	5/8/1998	Bottom Water	5.2
North Western	NM3	7/15/1998	Surface Water	5.5
North Western	NM3	7/15/1998	Middle Water	6.6
North Western	NM3	7/15/1998	Bottom Water	46.4
North Western	NM3	9/14/1998	Surface Water	4.3
North Western	NM3	9/14/1998	Middle Water	5.2
North Western	NM3	9/14/1998	Bottom Water	6.5
North Western	NM3	11/9/1998	Surface Water	9.8
North Western	NM3	11/9/1998	Middle Water	10.3
North Western	NM3	11/9/1998	Bottom Water	12.9
North Western	NM3	1/15/1999	Surface Water	4.7
North Western	NM3	1/15/1999	Middle Water	4.5
North Western	NM3	1/15/1999	Bottom Water	3.9
North Western	NM3	2/26/1999	Surface Water	3.3
North Western	NM3	2/26/1999	Middle Water	3.4
North Western	NM3	2/26/1999	Bottom Water	3.9
North Western	NM3	3/15/1999	Surface Water	4.7
North Western	NM3	3/15/1999	Middle Water	5.1
North Western	NM3	3/15/1999	Bottom Water	5.1
North Western	NM3	4/19/1999	Surface Water	5.9
North Western	NM3	4/19/1999	Middle Water	6.6
North Western	NM3	4/19/1999	Bottom Water	14.6
North Western	NM3	5/24/1999	Surface Water	12.2
North Western	NM3	5/24/1999	Middle Water	14.3
North Western	NM3	5/24/1999	Bottom Water	13
North Western	NM3	6/24/1999	Surface Water	10.9
North Western	NM3	6/24/1999	Middle Water	12.4
North Western	NM3	6/24/1999	Bottom Water	16
North Western	NM3	7/9/1999	Surface Water	13.8
North Western	NM3	7/9/1999	Middle Water	13.8
North Western	NM3	7/9/1999	Bottom Water	16.8
North Western	NM3	8/27/1999	Surface Water	12
North Western	NM3	8/27/1999	Middle Water	15.6
North Western	NM3	8/27/1999	Bottom Water	16
North Western	NM3	9/27/1999	Surface Water	9.5
North Western	NM3	9/27/1999	Middle Water	9.7
North Western	NM3	9/27/1999	Bottom Water	19.4
North Western	NM3	10/25/1999	Surface Water	10.4
North Western	NM3	10/25/1999	Middle Water	9.4
North Western	NM3	10/25/1999	Bottom Water	17.5
North Western	NM3	11/12/1999	Surface Water	6.7
North Western	NM3	11/12/1999	Middle Water	6.6
North Western	NM3	11/12/1999	Bottom Water	7.5
North Western	NM3	12/3/1999	Surface Water	7
North Western	NM3	12/3/1999	Middle Water	8.5

North Western	NM3	12/3/1999	Bottom Water	10.1
North Western	NM3	1/12/2000	Surface Water	6.1
North Western	NM3	1/12/2000	Middle Water	6.7
North Western	NM3	1/12/2000	Bottom Water	7
North Western	NM3	2/17/2000	Surface Water	6.9
North Western	NM3	2/17/2000	Middle Water	6.6
North Western	NM3	2/17/2000	Bottom Water	7.5
North Western	NM3	3/17/2000	Surface Water	5.8
North Western	NM3	3/17/2000	Middle Water	5.6
North Western	NM3	3/17/2000	Bottom Water	6.3
North Western	NM3	4/27/2000	Surface Water	8.4
North Western	NM3	4/27/2000	Middle Water	7.8
North Western	NM3	4/27/2000	Bottom Water	15.5
North Western	NM3	5/19/2000	Surface Water	9.4
North Western	NM3	5/19/2000	Middle Water	11.3
North Western	NM3	5/19/2000	Bottom Water	16.2
North Western	NM3	6/16/2000	Surface Water	13.6
North Western	NM3	6/16/2000	Middle Water	14.8
North Western	NM3	6/16/2000	Bottom Water	24.3
North Western	NM3	7/17/2000	Surface Water	1.3
North Western	NM3	7/17/2000	Middle Water	1.2
North Western	NM3	7/17/2000	Bottom Water	2.8
North Western	NM3	8/28/2000	Surface Water	6.4
North Western	NM3	8/28/2000	Middle Water	11.6
North Western	NM3	8/28/2000	Bottom Water	19.4
North Western	NM3	9/20/2000	Surface Water	21.9
North Western	NM3	9/20/2000	Middle Water	25.1
North Western	NM3	9/20/2000	Bottom Water	42.5
North Western	NM3	10/13/2000	Surface Water	12.6
North Western	NM3	10/13/2000	Middle Water	14.6
North Western	NM3	10/13/2000	Bottom Water	17.9
North Western	NM3	11/20/2000	Surface Water	10.6
North Western	NM3	11/20/2000	Middle Water	13.3
North Western	NM3	11/20/2000	Bottom Water	14.1
North Western	NM3	12/11/2000	Surface Water	9.8
North Western	NM3	12/11/2000	Middle Water	10.7
North Western	NM3	12/11/2000	Bottom Water	14.6
North Western	NM3	1/15/2001	Surface Water	15.8
North Western	NM3	1/15/2001	Middle Water	15
North Western	NM3	1/15/2001	Bottom Water	20.5
North Western	NM3	2/8/2001	Surface Water	15.4
North Western	NM3	2/8/2001	Middle Water	21
North Western	NM3	2/8/2001	Bottom Water	23.8
North Western	NM3	3/9/2001	Surface Water	11.7
North Western	NM3	3/9/2001	Middle Water	13.3
North Western	NM3	3/9/2001	Bottom Water	22.4
North Western	NM3	4/6/2001	Surface Water	16.9
North Western	NM3	4/6/2001	Middle Water	17.5
North Western	NM3	4/6/2001	Bottom Water	26.4
North Western	NM3	5/10/2001	Surface Water	10.6
North Western	NM3	5/10/2001	Middle Water	16.5
North Western	NM3	5/10/2001	Bottom Water	43.6
North Western	NM3	6/13/2001	Surface Water	11.7
North Western	NM3	6/13/2001	Middle Water	9.5
North Western	NM3	6/13/2001	Bottom Water	12.3
North Western	NM3	7/27/2001	Surface Water	17.9

North Western	NM3	7/27/2001	Middle Water	17.5
North Western	NM3	7/27/2001	Bottom Water	18.1
North Western	NM3	8/16/2001	Surface Water	7.4
North Western	NM3	8/16/2001	Middle Water	10.8
North Western	NM3	8/16/2001	Bottom Water	15.6
North Western	NM3	9/14/2001	Surface Water	13.6
North Western	NM3	9/14/2001	Middle Water	11.9
North Western	NM3	9/14/2001	Bottom Water	17.9
North Western	NM3	10/10/2001	Surface Water	15.2
North Western	NM3	10/10/2001	Middle Water	15.1
North Western	NM3	10/10/2001	Bottom Water	21.6
North Western	NM3	11/21/2001	Surface Water	13.8
North Western	NM3	11/21/2001	Middle Water	18.4
North Western	NM3	11/21/2001	Bottom Water	46.3
North Western	NM3	12/11/2001	Surface Water	12.3
North Western	NM3	12/11/2001	Middle Water	20.4
North Western	NM3	12/11/2001	Bottom Water	23.6
North Western	NM3	1/15/2002	Surface Water	23.2
North Western	NM3	1/15/2002	Middle Water	24.8
North Western	NM3	1/15/2002	Bottom Water	29.9
North Western	NM3	2/20/2002	Surface Water	19.9
North Western	NM3	2/20/2002	Middle Water	20.3
North Western	NM3	2/20/2002	Bottom Water	22.7
North Western	NM3	3/6/2002	Surface Water	7.2
North Western	NM3	3/6/2002	Middle Water	8
North Western	NM3	3/6/2002	Bottom Water	48.1
North Western	NM3	4/10/2002	Surface Water	6.2
North Western	NM3	4/10/2002	Middle Water	6.6
North Western	NM3	4/10/2002	Bottom Water	7.1
North Western	NM3	5/3/2002	Surface Water	8.2
North Western	NM3	5/3/2002	Middle Water	8.4
North Western	NM3	5/3/2002	Bottom Water	19.2
North Western	NM3	6/5/2002	Surface Water	9.5
North Western	NM3	6/5/2002	Middle Water	10.8
North Western	NM3	6/5/2002	Bottom Water	14.9
North Western	NM3	7/4/2002	Surface Water	8.8
North Western	NM3	7/4/2002	Middle Water	10.6
North Western	NM3	7/4/2002	Bottom Water	12.3
North Western	NM3	8/1/2002	Surface Water	10.7
North Western	NM3	8/1/2002	Middle Water	10.9
North Western	NM3	8/1/2002	Bottom Water	29.3
North Western	NM3	9/6/2002	Surface Water	7.9
North Western	NM3	9/6/2002	Middle Water	9.2
North Western	NM3	9/6/2002	Bottom Water	10.3
North Western	NM3	10/2/2002	Surface Water	11.1
North Western	NM3	10/2/2002	Middle Water	11.3
North Western	NM3	10/2/2002	Bottom Water	23
North Western	NM3	11/20/2002	Surface Water	13.5
North Western	NM3	11/20/2002	Middle Water	15.4
North Western	NM3	11/20/2002	Bottom Water	18
North Western	NM3	12/11/2002	Surface Water	17.5
North Western	NM3	12/11/2002	Middle Water	17.7
North Western	NM3	12/11/2002	Bottom Water	26.2
North Western	NM3	1/17/2003	Surface Water	14.6
North Western	NM3	1/17/2003	Middle Water	11.5
North Western	NM3	1/17/2003	Bottom Water	10.9

North Western	NM3	2/6/2003	Surface Water	
North Western	NM3	2/6/2003	Middle Water	
North Western	NM3	2/6/2003	Bottom Water	
North Western	NM3	3/10/2003	Surface Water	9
North Western	NM3	3/10/2003	Middle Water	9.4
North Western	NM3	3/10/2003	Bottom Water	10
North Western	NM3	4/1/2003	Surface Water	11.6
North Western	NM3	4/1/2003	Middle Water	14.7
North Western	NM3	4/1/2003	Bottom Water	22.4
North Western	NM3	5/9/2003	Surface Water	7
North Western	NM3	5/9/2003	Middle Water	7.3
North Western	NM3	5/9/2003	Bottom Water	15.4
North Western	NM3	6/23/2003	Surface Water	8.3
North Western	NM3	6/23/2003	Middle Water	9.6
North Western	NM3	6/23/2003	Bottom Water	11
North Western	NM3	7/17/2003	Surface Water	5.2
North Western	NM3	7/17/2003	Middle Water	14.1
North Western	NM3	7/17/2003	Bottom Water	24.3
North Western	NM3	8/11/2003	Surface Water	4.8
North Western	NM3	8/11/2003	Middle Water	9.4
North Western	NM3	8/11/2003	Bottom Water	9.8
North Western	NM3	9/19/2003	Surface Water	11.1
North Western	NM3	9/19/2003	Middle Water	10.7
North Western	NM3	9/19/2003	Bottom Water	11.8
North Western	NM3	10/27/2003	Surface Water	13.8
North Western	NM3	10/27/2003	Middle Water	16
North Western	NM3	10/27/2003	Bottom Water	16.8
North Western	NM3	11/20/2003	Surface Water	15.1
North Western	NM3	11/20/2003	Middle Water	20
North Western	NM3	11/20/2003	Bottom Water	24.2
North Western	NM3	12/12/2003	Surface Water	15.4
North Western	NM3	12/12/2003	Middle Water	18.6
North Western	NM3	12/12/2003	Bottom Water	32
North Western	NM3	1/26/2004	Surface Water	11.9
North Western	NM3	1/26/2004	Middle Water	14.8
North Western	NM3	1/26/2004	Bottom Water	20.2
North Western	NM3	2/5/2004	Surface Water	12.7
North Western	NM3	2/5/2004	Middle Water	14.7
North Western	NM3	2/5/2004	Bottom Water	16.5
North Western	NM3	3/15/2004	Surface Water	8.3
North Western	NM3	3/15/2004	Middle Water	6.1
North Western	NM3	3/15/2004	Bottom Water	6
North Western	NM3	4/2/2004	Surface Water	9.8
North Western	NM3	4/2/2004	Middle Water	12.1
North Western	NM3	4/2/2004	Bottom Water	13.4
North Western	NM3	5/3/2004	Surface Water	9.7
North Western	NM3	5/3/2004	Middle Water	10.5
North Western	NM3	5/3/2004	Bottom Water	16.8
North Western	NM3	6/2/2004	Surface Water	10.2
North Western	NM3	6/2/2004	Middle Water	14.5
North Western	NM3	6/2/2004	Bottom Water	19.1
North Western	NM3	7/7/2004	Surface Water	10.8
North Western	NM3	7/7/2004	Middle Water	11.2
North Western	NM3	7/7/2004	Bottom Water	17.1
North Western	NM3	8/19/2004	Surface Water	10
North Western	NM3	8/19/2004	Middle Water	16.2

North Western	NM3	8/19/2004	Bottom Water	33.8
North Western	NM3	9/20/2004	Surface Water	10.4
North Western	NM3	9/20/2004	Middle Water	19.5
North Western	NM3	9/20/2004	Bottom Water	29
North Western	NM3	10/13/2004	Surface Water	12.7
North Western	NM3	10/13/2004	Middle Water	16.2
North Western	NM3	10/13/2004	Bottom Water	17.5
North Western	NM3	11/11/2004	Surface Water	10.1
North Western	NM3	11/11/2004	Middle Water	10.8
North Western	NM3	11/11/2004	Bottom Water	18.7
North Western	NM3	12/10/2004	Surface Water	12.2
North Western	NM3	12/10/2004	Middle Water	12.8
North Western	NM3	12/10/2004	Bottom Water	13.5
North Western	NM3	1/17/2005	Surface Water	12.8
North Western	NM3	1/17/2005	Middle Water	13.3
North Western	NM3	1/17/2005	Bottom Water	17
North Western	NM3	2/25/2005	Surface Water	12.1
North Western	NM3	2/25/2005	Middle Water	13.3
North Western	NM3	2/25/2005	Bottom Water	12.9
North Western	NM3	3/14/2005	Surface Water	14.8
North Western	NM3	3/14/2005	Middle Water	19.7
North Western	NM3	3/14/2005	Bottom Water	20.4
North Western	NM3	4/20/2005	Surface Water	7.8
North Western	NM3	4/20/2005	Middle Water	7.7
North Western	NM3	4/20/2005	Bottom Water	10.2
North Western	NM3	5/20/2005	Surface Water	6.4
North Western	NM3	5/20/2005	Middle Water	11
North Western	NM3	5/20/2005	Bottom Water	15.8
North Western	NM3	6/8/2005	Surface Water	13.9
North Western	NM3	6/8/2005	Middle Water	15.2
North Western	NM3	6/8/2005	Bottom Water	16.3
North Western	NM3	7/8/2005	Surface Water	14.2
North Western	NM3	7/8/2005	Middle Water	13.2
North Western	NM3	7/8/2005	Bottom Water	16.1
North Western	NM3	8/5/2005	Surface Water	5
North Western	NM3	8/5/2005	Middle Water	4.9
North Western	NM3	8/5/2005	Bottom Water	4.9
North Western	NM3	9/29/2005	Surface Water	10.3
North Western	NM3	9/29/2005	Middle Water	10.9
North Western	NM3	9/29/2005	Bottom Water	11.9
North Western	NM3	10/20/2005	Surface Water	17.4
North Western	NM3	10/20/2005	Middle Water	19.6
North Western	NM3	10/20/2005	Bottom Water	30.7
North Western	NM3	11/23/2005	Surface Water	15.6
North Western	NM3	11/23/2005	Middle Water	16.3
North Western	NM3	11/23/2005	Bottom Water	22
North Western	NM3	12/10/2005	Surface Water	15.3
North Western	NM3	12/10/2005	Middle Water	15.9
North Western	NM3	12/10/2005	Bottom Water	16.1
North Western	NM3	1/6/2006	Surface Water	14.9
North Western	NM3	1/6/2006	Middle Water	17.1
North Western	NM3	1/6/2006	Bottom Water	23.8
North Western	NM3	2/17/2006	Surface Water	13.8
North Western	NM3	2/17/2006	Middle Water	14.7
North Western	NM3	2/17/2006	Bottom Water	22.8
North Western	NM3	3/8/2006	Surface Water	10.2

North Western	NM3	3/8/2006	Middle Water	10.1
North Western	NM3	3/8/2006	Bottom Water	14.9
North Western	NM3	4/25/2006	Surface Water	9.5
North Western	NM3	4/25/2006	Middle Water	9.6
North Western	NM3	4/25/2006	Bottom Water	11.4
North Western	NM3	5/22/2006	Surface Water	7.8
North Western	NM3	5/22/2006	Middle Water	9.7
North Western	NM3	5/22/2006	Bottom Water	11.2
North Western	NM3	6/19/2006	Surface Water	5.8
North Western	NM3	6/19/2006	Middle Water	6.9
North Western	NM3	6/19/2006	Bottom Water	11.7
North Western	NM3	7/10/2006	Surface Water	56.3
North Western	NM3	7/10/2006	Middle Water	55.8
North Western	NM3	7/10/2006	Bottom Water	55.4
North Western	NM3	8/7/2006	Surface Water	19
North Western	NM3	8/7/2006	Middle Water	19
North Western	NM3	8/7/2006	Bottom Water	29.8
North Western	NM3	9/25/2006	Surface Water	17
North Western	NM3	9/25/2006	Middle Water	18.8
North Western	NM3	9/25/2006	Bottom Water	21.5
North Western	NM3	10/23/2006	Surface Water	16.6
North Western	NM3	10/23/2006	Middle Water	21.1
North Western	NM3	10/23/2006	Bottom Water	34.4
North Western	NM3	11/20/2006	Surface Water	13.9
North Western	NM3	11/20/2006	Middle Water	14
North Western	NM3	11/20/2006	Bottom Water	13.9
North Western	NM3	12/15/2006	Surface Water	13.7
North Western	NM3	12/15/2006	Middle Water	13.1
North Western	NM3	12/15/2006	Bottom Water	13.3
North Western	NM5	1/14/1998	Surface Water	7.6
North Western	NM5	1/14/1998	Middle Water	7.2
North Western	NM5	1/14/1998	Bottom Water	16.4
North Western	NM5	3/9/1998	Surface Water	4.7
North Western	NM5	3/9/1998	Middle Water	5
North Western	NM5	3/9/1998	Bottom Water	9.3
North Western	NM5	5/8/1998	Surface Water	6.1
North Western	NM5	5/8/1998	Middle Water	5.6
North Western	NM5	5/8/1998	Bottom Water	10.9
North Western	NM5	7/15/1998	Surface Water	7.1
North Western	NM5	7/15/1998	Middle Water	5.7
North Western	NM5	7/15/1998	Bottom Water	12.5
North Western	NM5	9/14/1998	Surface Water	4.1
North Western	NM5	9/14/1998	Middle Water	5.9
North Western	NM5	9/14/1998	Bottom Water	7.1
North Western	NM5	11/9/1998	Surface Water	7.6
North Western	NM5	11/9/1998	Middle Water	6.3
North Western	NM5	11/9/1998	Bottom Water	22.7
North Western	NM5	1/15/1999	Surface Water	4.5
North Western	NM5	1/15/1999	Middle Water	4.6
North Western	NM5	1/15/1999	Bottom Water	4.8
North Western	NM5	2/26/1999	Surface Water	3.5
North Western	NM5	2/26/1999	Middle Water	3.9
North Western	NM5	2/26/1999	Bottom Water	4.1
North Western	NM5	3/15/1999	Surface Water	4.2
North Western	NM5	3/15/1999	Middle Water	5.2
North Western	NM5	3/15/1999	Bottom Water	6.5

North Western	NM5	4/19/1999	Surface Water	6.1
North Western	NM5	4/19/1999	Middle Water	7.2
North Western	NM5	4/19/1999	Bottom Water	15.9
North Western	NM5	5/24/1999	Surface Water	14.6
North Western	NM5	5/24/1999	Middle Water	11.4
North Western	NM5	5/24/1999	Bottom Water	14.5
North Western	NM5	6/24/1999	Surface Water	16.1
North Western	NM5	6/24/1999	Middle Water	13.2
North Western	NM5	6/24/1999	Bottom Water	16.4
North Western	NM5	7/9/1999	Surface Water	14.3
North Western	NM5	7/9/1999	Middle Water	14.5
North Western	NM5	7/9/1999	Bottom Water	29.7
North Western	NM5	8/27/1999	Surface Water	16.3
North Western	NM5	8/27/1999	Middle Water	35.7
North Western	NM5	8/27/1999	Bottom Water	49.6
North Western	NM5	9/27/1999	Surface Water	11.5
North Western	NM5	9/27/1999	Middle Water	12.2
North Western	NM5	9/27/1999	Bottom Water	14.2
North Western	NM5	10/25/1999	Surface Water	10
North Western	NM5	10/25/1999	Middle Water	13.7
North Western	NM5	10/25/1999	Bottom Water	15.3
North Western	NM5	11/12/1999	Surface Water	4.7
North Western	NM5	11/12/1999	Middle Water	6.7
North Western	NM5	11/12/1999	Bottom Water	30.1
North Western	NM5	12/3/1999	Surface Water	8.5
North Western	NM5	12/3/1999	Middle Water	7.7
North Western	NM5	12/3/1999	Bottom Water	16.2
North Western	NM5	1/12/2000	Surface Water	7.1
North Western	NM5	1/12/2000	Middle Water	6.4
North Western	NM5	1/12/2000	Bottom Water	9.7
North Western	NM5	2/17/2000	Surface Water	7.3
North Western	NM5	2/17/2000	Middle Water	7.1
North Western	NM5	2/17/2000	Bottom Water	7.9
North Western	NM5	3/17/2000	Surface Water	6.9
North Western	NM5	3/17/2000	Middle Water	6.5
North Western	NM5	3/17/2000	Bottom Water	7.8
North Western	NM5	4/27/2000	Surface Water	10.6
North Western	NM5	4/27/2000	Middle Water	11
North Western	NM5	4/27/2000	Bottom Water	33.9
North Western	NM5	5/19/2000	Surface Water	8.9
North Western	NM5	5/19/2000	Middle Water	12.4
North Western	NM5	5/19/2000	Bottom Water	14.2
North Western	NM5	6/16/2000	Surface Water	10.4
North Western	NM5	6/16/2000	Middle Water	9.8
North Western	NM5	6/16/2000	Bottom Water	43
North Western	NM5	7/17/2000	Surface Water	1.2
North Western	NM5	7/17/2000	Middle Water	3
North Western	NM5	7/17/2000	Bottom Water	9.8
North Western	NM5	8/28/2000	Surface Water	6.7
North Western	NM5	8/28/2000	Middle Water	10.4
North Western	NM5	8/28/2000	Bottom Water	31.2
North Western	NM5	9/20/2000	Surface Water	20.7
North Western	NM5	9/20/2000	Middle Water	19.5
North Western	NM5	9/20/2000	Bottom Water	79.6
North Western	NM5	10/13/2000	Surface Water	16.2
North Western	NM5	10/13/2000	Middle Water	16.6

North Western	NM5	10/13/2000	Bottom Water	26.3
North Western	NM5	11/20/2000	Surface Water	18.8
North Western	NM5	11/20/2000	Middle Water	16.4
North Western	NM5	11/20/2000	Bottom Water	17.3
North Western	NM5	12/11/2000	Surface Water	11.7
North Western	NM5	12/11/2000	Middle Water	11.3
North Western	NM5	12/11/2000	Bottom Water	13.8
North Western	NM5	1/15/2001	Surface Water	10.7
North Western	NM5	1/15/2001	Middle Water	13.4
North Western	NM5	1/15/2001	Bottom Water	43.2
North Western	NM5	2/8/2001	Surface Water	20.5
North Western	NM5	2/8/2001	Middle Water	17.7
North Western	NM5	2/8/2001	Bottom Water	34.7
North Western	NM5	3/9/2001	Surface Water	13.8
North Western	NM5	3/9/2001	Middle Water	15.6
North Western	NM5	3/9/2001	Bottom Water	14.5
North Western	NM5	4/6/2001	Surface Water	19.9
North Western	NM5	4/6/2001	Middle Water	19.6
North Western	NM5	4/6/2001	Bottom Water	31.8
North Western	NM5	5/10/2001	Surface Water	12.1
North Western	NM5	5/10/2001	Middle Water	16.6
North Western	NM5	5/10/2001	Bottom Water	20.1
North Western	NM5	6/13/2001	Surface Water	15.7
North Western	NM5	6/13/2001	Middle Water	12.3
North Western	NM5	6/13/2001	Bottom Water	20.3
North Western	NM5	7/27/2001	Surface Water	33.6
North Western	NM5	7/27/2001	Middle Water	20.6
North Western	NM5	7/27/2001	Bottom Water	21.2
North Western	NM5	8/16/2001	Surface Water	12.4
North Western	NM5	8/16/2001	Middle Water	7
North Western	NM5	8/16/2001	Bottom Water	19.2
North Western	NM5	9/14/2001	Surface Water	9.7
North Western	NM5	9/14/2001	Middle Water	9.3
North Western	NM5	9/14/2001	Bottom Water	28.6
North Western	NM5	10/10/2001	Surface Water	8.9
North Western	NM5	10/10/2001	Middle Water	16.6
North Western	NM5	10/10/2001	Bottom Water	34.7
North Western	NM5	11/21/2001	Surface Water	13.6
North Western	NM5	11/21/2001	Middle Water	19.2
North Western	NM5	11/21/2001	Bottom Water	45.1
North Western	NM5	12/11/2001	Surface Water	20.4
North Western	NM5	12/11/2001	Middle Water	22.6
North Western	NM5	12/11/2001	Bottom Water	31.1
North Western	NM5	1/15/2002	Surface Water	17.9
North Western	NM5	1/15/2002	Middle Water	21.3
North Western	NM5	1/15/2002	Bottom Water	37.1
North Western	NM5	2/20/2002	Surface Water	19.3
North Western	NM5	2/20/2002	Middle Water	18.2
North Western	NM5	2/20/2002	Bottom Water	27
North Western	NM5	3/6/2002	Surface Water	8.7
North Western	NM5	3/6/2002	Middle Water	14.5
North Western	NM5	3/6/2002	Bottom Water	54.4
North Western	NM5	4/10/2002	Surface Water	6.1
North Western	NM5	4/10/2002	Middle Water	6.4
North Western	NM5	4/10/2002	Bottom Water	25.7
North Western	NM5	5/3/2002	Surface Water	8.6

North Western	NM5	5/3/2002	Middle Water	9.2
North Western	NM5	5/3/2002	Bottom Water	36
North Western	NM5	6/5/2002	Surface Water	8.8
North Western	NM5	6/5/2002	Middle Water	11.7
North Western	NM5	6/5/2002	Bottom Water	43.6
North Western	NM5	7/4/2002	Surface Water	13.5
North Western	NM5	7/4/2002	Middle Water	10.5
North Western	NM5	7/4/2002	Bottom Water	40.7
North Western	NM5	8/1/2002	Surface Water	15.1
North Western	NM5	8/1/2002	Middle Water	10.8
North Western	NM5	8/1/2002	Bottom Water	21.7
North Western	NM5	9/6/2002	Surface Water	8.3
North Western	NM5	9/6/2002	Middle Water	10.7
North Western	NM5	9/6/2002	Bottom Water	24.2
North Western	NM5	10/2/2002	Surface Water	8.1
North Western	NM5	10/2/2002	Middle Water	15.9
North Western	NM5	10/2/2002	Bottom Water	24.3
North Western	NM5	11/20/2002	Surface Water	14.1
North Western	NM5	11/20/2002	Middle Water	16.1
North Western	NM5	11/20/2002	Bottom Water	34.4
North Western	NM5	12/11/2002	Surface Water	17.1
North Western	NM5	12/11/2002	Middle Water	17
North Western	NM5	12/11/2002	Bottom Water	20.6
North Western	NM5	1/17/2003	Surface Water	15.8
North Western	NM5	1/17/2003	Middle Water	13.3
North Western	NM5	1/17/2003	Bottom Water	14.5
North Western	NM5	2/6/2003	Surface Water	
North Western	NM5	2/6/2003	Middle Water	
North Western	NM5	2/6/2003	Bottom Water	
North Western	NM5	3/10/2003	Surface Water	8.6
North Western	NM5	3/10/2003	Middle Water	20.1
North Western	NM5	3/10/2003	Bottom Water	41
North Western	NM5	4/1/2003	Surface Water	16.3
North Western	NM5	4/1/2003	Middle Water	15.9
North Western	NM5	4/1/2003	Bottom Water	23.4
North Western	NM5	5/9/2003	Surface Water	8.5
North Western	NM5	5/9/2003	Middle Water	10.6
North Western	NM5	5/9/2003	Bottom Water	22.7
North Western	NM5	6/23/2003	Surface Water	12.1
North Western	NM5	6/23/2003	Middle Water	7.6
North Western	NM5	6/23/2003	Bottom Water	13.1
North Western	NM5	7/17/2003	Surface Water	5.3
North Western	NM5	7/17/2003	Middle Water	8.9
North Western	NM5	7/17/2003	Bottom Water	15.1
North Western	NM5	8/11/2003	Surface Water	4.7
North Western	NM5	8/11/2003	Middle Water	4.5
North Western	NM5	8/11/2003	Bottom Water	35.2
North Western	NM5	9/19/2003	Surface Water	14.1
North Western	NM5	9/19/2003	Middle Water	11.5
North Western	NM5	9/19/2003	Bottom Water	23.4
North Western	NM5	10/27/2003	Surface Water	14.5
North Western	NM5	10/27/2003	Middle Water	17.2
North Western	NM5	10/27/2003	Bottom Water	47.2
North Western	NM5	11/20/2003	Surface Water	9.9
North Western	NM5	11/20/2003	Middle Water	12.2
North Western	NM5	11/20/2003	Bottom Water	21.7

North Western	NM5	12/12/2003	Surface Water	15.6
North Western	NM5	12/12/2003	Middle Water	26.7
North Western	NM5	12/12/2003	Bottom Water	48.9
North Western	NM5	1/26/2004	Surface Water	14.2
North Western	NM5	1/26/2004	Middle Water	15.7
North Western	NM5	1/26/2004	Bottom Water	42.7
North Western	NM5	2/5/2004	Surface Water	15.9
North Western	NM5	2/5/2004	Middle Water	16.9
North Western	NM5	2/5/2004	Bottom Water	49.7
North Western	NM5	3/15/2004	Surface Water	6.4
North Western	NM5	3/15/2004	Middle Water	6.1
North Western	NM5	3/15/2004	Bottom Water	9.4
North Western	NM5	4/2/2004	Surface Water	13.2
North Western	NM5	4/2/2004	Middle Water	14.5
North Western	NM5	4/2/2004	Bottom Water	18.4
North Western	NM5	5/3/2004	Surface Water	12.8
North Western	NM5	5/3/2004	Middle Water	11.1
North Western	NM5	5/3/2004	Bottom Water	18.7
North Western	NM5	6/2/2004	Surface Water	12.8
North Western	NM5	6/2/2004	Middle Water	15.1
North Western	NM5	6/2/2004	Bottom Water	34.9
North Western	NM5	7/7/2004	Surface Water	14
North Western	NM5	7/7/2004	Middle Water	12.2
North Western	NM5	7/7/2004	Bottom Water	20.8
North Western	NM5	8/19/2004	Surface Water	10.7
North Western	NM5	8/19/2004	Middle Water	12.1
North Western	NM5	8/19/2004	Bottom Water	19.2
North Western	NM5	9/20/2004	Surface Water	8.3
North Western	NM5	9/20/2004	Middle Water	11.5
North Western	NM5	9/20/2004	Bottom Water	26.6
North Western	NM5	10/13/2004	Surface Water	16.3
North Western	NM5	10/13/2004	Middle Water	15.1
North Western	NM5	10/13/2004	Bottom Water	15.5
North Western	NM5	11/11/2004	Surface Water	12
North Western	NM5	11/11/2004	Middle Water	11.8
North Western	NM5	11/11/2004	Bottom Water	17.4
North Western	NM5	12/10/2004	Surface Water	13.2
North Western	NM5	12/10/2004	Middle Water	13.2
North Western	NM5	12/10/2004	Bottom Water	15
North Western	NM5	1/17/2005	Surface Water	22.9
North Western	NM5	1/17/2005	Middle Water	28.2
North Western	NM5	1/17/2005	Bottom Water	33.4
North Western	NM5	2/25/2005	Surface Water	14.1
North Western	NM5	2/25/2005	Middle Water	14.5
North Western	NM5	2/25/2005	Bottom Water	25.6
North Western	NM5	3/14/2005	Surface Water	22.7
North Western	NM5	3/14/2005	Middle Water	27.3
North Western	NM5	3/14/2005	Bottom Water	41
North Western	NM5	4/20/2005	Surface Water	11.1
North Western	NM5	4/20/2005	Middle Water	9
North Western	NM5	4/20/2005	Bottom Water	9.7
North Western	NM5	5/20/2005	Surface Water	8.3
North Western	NM5	5/20/2005	Middle Water	9.5
North Western	NM5	5/20/2005	Bottom Water	17.1
North Western	NM5	6/8/2005	Surface Water	14.7
North Western	NM5	6/8/2005	Middle Water	14.8

North Western	NM5	6/8/2005	Bottom Water	19.6
North Western	NM5	7/8/2005	Surface Water	15
North Western	NM5	7/8/2005	Middle Water	14.5
North Western	NM5	7/8/2005	Bottom Water	22.8
North Western	NM5	8/5/2005	Surface Water	5.2
North Western	NM5	8/5/2005	Middle Water	6.4
North Western	NM5	8/5/2005	Bottom Water	6.7
North Western	NM5	9/29/2005	Surface Water	12.4
North Western	NM5	9/29/2005	Middle Water	28.5
North Western	NM5	9/29/2005	Bottom Water	48.6
North Western	NM5	10/20/2005	Surface Water	17
North Western	NM5	10/20/2005	Middle Water	18.9
North Western	NM5	10/20/2005	Bottom Water	53.2
North Western	NM5	11/23/2005	Surface Water	15.5
North Western	NM5	11/23/2005	Middle Water	16.3
North Western	NM5	11/23/2005	Bottom Water	22
North Western	NM5	12/10/2005	Surface Water	13.7
North Western	NM5	12/10/2005	Middle Water	14.5
North Western	NM5	12/10/2005	Bottom Water	17.5
North Western	NM5	1/6/2006	Surface Water	16.6
North Western	NM5	1/6/2006	Middle Water	21.8
North Western	NM5	1/6/2006	Bottom Water	51.9
North Western	NM5	2/17/2006	Surface Water	14.7
North Western	NM5	2/17/2006	Middle Water	14.3
North Western	NM5	2/17/2006	Bottom Water	25.5
North Western	NM5	3/8/2006	Surface Water	11.2
North Western	NM5	3/8/2006	Middle Water	10.4
North Western	NM5	3/8/2006	Bottom Water	12.1
North Western	NM5	4/25/2006	Surface Water	11.3
North Western	NM5	4/25/2006	Middle Water	9.8
North Western	NM5	4/25/2006	Bottom Water	23.1
North Western	NM5	5/22/2006	Surface Water	8.5
North Western	NM5	5/22/2006	Middle Water	10.3
North Western	NM5	5/22/2006	Bottom Water	14.7
North Western	NM5	6/19/2006	Surface Water	11.8
North Western	NM5	6/19/2006	Middle Water	8.5
North Western	NM5	6/19/2006	Bottom Water	24.8
North Western	NM5	7/10/2006	Surface Water	43.3
North Western	NM5	7/10/2006	Middle Water	41
North Western	NM5	7/10/2006	Bottom Water	141.7
North Western	NM5	8/7/2006	Surface Water	44.1
North Western	NM5	8/7/2006	Middle Water	23.3
North Western	NM5	8/7/2006	Bottom Water	89.4
North Western	NM5	9/25/2006	Surface Water	25.8
North Western	NM5	9/25/2006	Middle Water	23.9
North Western	NM5	9/25/2006	Bottom Water	20.6
North Western	NM5	10/23/2006	Surface Water	16.2
North Western	NM5	10/23/2006	Middle Water	27
North Western	NM5	10/23/2006	Bottom Water	25.8
North Western	NM5	11/20/2006	Surface Water	19.1
North Western	NM5	11/20/2006	Middle Water	15.5
North Western	NM5	11/20/2006	Bottom Water	23
North Western	NM5	12/15/2006	Surface Water	15.9
North Western	NM5	12/15/2006	Middle Water	13.9
North Western	NM5	12/15/2006	Bottom Water	17.2
North Western	NM6	1/14/1998	Surface Water	6.5

North Western	NM6	1/14/1998	Middle Water	7
North Western	NM6	1/14/1998	Bottom Water	10.7
North Western	NM6	3/9/1998	Surface Water	4.8
North Western	NM6	3/9/1998	Middle Water	4.7
North Western	NM6	3/9/1998	Bottom Water	5.2
North Western	NM6	5/8/1998	Surface Water	5.7
North Western	NM6	5/8/1998	Middle Water	5.8
North Western	NM6	5/8/1998	Bottom Water	8.2
North Western	NM6	7/15/1998	Surface Water	5.9
North Western	NM6	7/15/1998	Middle Water	5.9
North Western	NM6	7/15/1998	Bottom Water	9.8
North Western	NM6	9/14/1998	Surface Water	2.3
North Western	NM6	9/14/1998	Middle Water	2.9
North Western	NM6	9/14/1998	Bottom Water	4.9
North Western	NM6	11/9/1998	Surface Water	5.7
North Western	NM6	11/9/1998	Middle Water	7.5
North Western	NM6	11/9/1998	Bottom Water	22.7
North Western	NM6	1/15/1999	Surface Water	6.4
North Western	NM6	1/15/1999	Middle Water	6.3
North Western	NM6	1/15/1999	Bottom Water	6.2
North Western	NM6	2/26/1999	Surface Water	3.2
North Western	NM6	2/26/1999	Middle Water	3.4
North Western	NM6	2/26/1999	Bottom Water	3.6
North Western	NM6	3/15/1999	Surface Water	6.4
North Western	NM6	3/15/1999	Middle Water	7
North Western	NM6	3/15/1999	Bottom Water	8.9
North Western	NM6	4/19/1999	Surface Water	7.3
North Western	NM6	4/19/1999	Middle Water	9.8
North Western	NM6	4/19/1999	Bottom Water	15.8
North Western	NM6	5/24/1999	Surface Water	10.3
North Western	NM6	5/24/1999	Bottom Water	9.7
North Western	NM6	6/24/1999	Surface Water	14.7
North Western	NM6	6/24/1999	Middle Water	14.5
North Western	NM6	6/24/1999	Bottom Water	13.8
North Western	NM6	7/9/1999	Surface Water	13.5
North Western	NM6	7/9/1999	Bottom Water	13.8
North Western	NM6	8/27/1999	Surface Water	12.5
North Western	NM6	8/27/1999	Middle Water	11.6
North Western	NM6	8/27/1999	Bottom Water	12.1
North Western	NM6	9/27/1999	Surface Water	11
North Western	NM6	9/27/1999	Middle Water	13.5
North Western	NM6	9/27/1999	Bottom Water	17.8
North Western	NM6	10/25/1999	Surface Water	12.7
North Western	NM6	10/25/1999	Middle Water	13.7
North Western	NM6	10/25/1999	Bottom Water	16.3
North Western	NM6	11/12/1999	Surface Water	6.8
North Western	NM6	11/12/1999	Middle Water	11.7
North Western	NM6	11/12/1999	Bottom Water	28.3
North Western	NM6	12/3/1999	Surface Water	6.9
North Western	NM6	12/3/1999	Middle Water	7
North Western	NM6	12/3/1999	Bottom Water	8.1
North Western	NM6	1/12/2000	Surface Water	6.4
North Western	NM6	1/12/2000	Middle Water	6.4
North Western	NM6	1/12/2000	Bottom Water	10.8
North Western	NM6	2/17/2000	Surface Water	8.9
North Western	NM6	2/17/2000	Middle Water	9

North Western	NM6	2/17/2000	Bottom Water	13.1
North Western	NM6	3/17/2000	Surface Water	7.2
North Western	NM6	3/17/2000	Middle Water	8.2
North Western	NM6	3/17/2000	Bottom Water	12
North Western	NM6	4/27/2000	Surface Water	9.9
North Western	NM6	4/27/2000	Middle Water	9.4
North Western	NM6	4/27/2000	Bottom Water	9.5
North Western	NM6	5/19/2000	Surface Water	8.1
North Western	NM6	5/19/2000	Middle Water	9.6
North Western	NM6	5/19/2000	Bottom Water	12.9
North Western	NM6	6/16/2000	Surface Water	10.9
North Western	NM6	6/16/2000	Middle Water	10.5
North Western	NM6	6/16/2000	Bottom Water	15.2
North Western	NM6	7/17/2000	Surface Water	1.2
North Western	NM6	7/17/2000	Middle Water	1.3
North Western	NM6	7/17/2000	Bottom Water	1.2
North Western	NM6	8/28/2000	Surface Water	10.4
North Western	NM6	8/28/2000	Bottom Water	19
North Western	NM6	9/20/2000	Surface Water	21.4
North Western	NM6	9/20/2000	Middle Water	23.1
North Western	NM6	9/20/2000	Bottom Water	34.2
North Western	NM6	10/13/2000	Surface Water	13.6
North Western	NM6	10/13/2000	Middle Water	16.8
North Western	NM6	10/13/2000	Bottom Water	21.6
North Western	NM6	11/20/2000	Surface Water	19.7
North Western	NM6	11/20/2000	Bottom Water	19.9
North Western	NM6	12/11/2000	Surface Water	15.4
North Western	NM6	12/11/2000	Middle Water	13.3
North Western	NM6	12/11/2000	Bottom Water	14.4
North Western	NM6	1/15/2001	Surface Water	14.9
North Western	NM6	1/15/2001	Middle Water	15.4
North Western	NM6	1/15/2001	Bottom Water	18.1
North Western	NM6	2/8/2001	Surface Water	34.1
North Western	NM6	2/8/2001	Middle Water	39.6
North Western	NM6	2/8/2001	Bottom Water	47.8
North Western	NM6	3/9/2001	Surface Water	14.6
North Western	NM6	3/9/2001	Middle Water	15.9
North Western	NM6	3/9/2001	Bottom Water	19.5
North Western	NM6	4/6/2001	Surface Water	17.7
North Western	NM6	4/6/2001	Middle Water	20.9
North Western	NM6	4/6/2001	Bottom Water	28.4
North Western	NM6	5/10/2001	Surface Water	11.9
North Western	NM6	5/10/2001	Middle Water	12.6
North Western	NM6	5/10/2001	Bottom Water	14.6
North Western	NM6	6/13/2001	Surface Water	11.9
North Western	NM6	6/13/2001	Middle Water	12.2
North Western	NM6	6/13/2001	Bottom Water	12.2
North Western	NM6	7/27/2001	Surface Water	19.3
North Western	NM6	7/27/2001	Middle Water	19.5
North Western	NM6	7/27/2001	Bottom Water	22.3
North Western	NM6	8/16/2001	Surface Water	8.3
North Western	NM6	8/16/2001	Middle Water	21
North Western	NM6	8/16/2001	Bottom Water	16.5
North Western	NM6	9/14/2001	Surface Water	8.9
North Western	NM6	9/14/2001	Middle Water	8.1
North Western	NM6	9/14/2001	Bottom Water	8.2

North Western	NM6	10/10/2001	Surface Water	10.4
North Western	NM6	10/10/2001	Bottom Water	12.6
North Western	NM6	11/21/2001	Surface Water	20.4
North Western	NM6	11/21/2001	Middle Water	25.1
North Western	NM6	11/21/2001	Bottom Water	28.2
North Western	NM6	12/11/2001	Surface Water	14.2
North Western	NM6	12/11/2001	Middle Water	14
North Western	NM6	12/11/2001	Bottom Water	15
North Western	NM6	1/15/2002	Surface Water	20.3
North Western	NM6	1/15/2002	Middle Water	21
North Western	NM6	1/15/2002	Bottom Water	28
North Western	NM6	2/20/2002	Surface Water	26.4
North Western	NM6	2/20/2002	Middle Water	25.9
North Western	NM6	2/20/2002	Bottom Water	23.8
North Western	NM6	3/6/2002	Surface Water	9.2
North Western	NM6	3/6/2002	Middle Water	9.6
North Western	NM6	3/6/2002	Bottom Water	15.1
North Western	NM6	4/10/2002	Surface Water	8.5
North Western	NM6	4/10/2002	Middle Water	9.4
North Western	NM6	4/10/2002	Bottom Water	16.7
North Western	NM6	5/3/2002	Surface Water	8.9
North Western	NM6	5/3/2002	Middle Water	8.7
North Western	NM6	5/3/2002	Bottom Water	14.3
North Western	NM6	6/5/2002	Surface Water	7.9
North Western	NM6	6/5/2002	Middle Water	8.4
North Western	NM6	6/5/2002	Bottom Water	11.4
North Western	NM6	7/4/2002	Surface Water	11.9
North Western	NM6	7/4/2002	Middle Water	11.8
North Western	NM6	7/4/2002	Bottom Water	10.9
North Western	NM6	8/1/2002	Surface Water	13.8
North Western	NM6	8/1/2002	Middle Water	13.5
North Western	NM6	8/1/2002	Bottom Water	17.7
North Western	NM6	9/6/2002	Surface Water	7
North Western	NM6	9/6/2002	Middle Water	8.4
North Western	NM6	9/6/2002	Bottom Water	9.3
North Western	NM6	10/2/2002	Surface Water	5.8
North Western	NM6	10/2/2002	Middle Water	5.5
North Western	NM6	10/2/2002	Bottom Water	7
North Western	NM6	11/20/2002	Surface Water	15.2
North Western	NM6	11/20/2002	Middle Water	17.4
North Western	NM6	11/20/2002	Bottom Water	26.3
North Western	NM6	12/11/2002	Surface Water	16.9
North Western	NM6	12/11/2002	Middle Water	16.7
North Western	NM6	12/11/2002	Bottom Water	16.6
North Western	NM6	1/17/2003	Surface Water	15.1
North Western	NM6	1/17/2003	Bottom Water	17.6
North Western	NM6	2/6/2003	Surface Water	
North Western	NM6	2/6/2003	Middle Water	
North Western	NM6	2/6/2003	Bottom Water	
North Western	NM6	3/10/2003	Surface Water	19.1
North Western	NM6	3/10/2003	Middle Water	20
North Western	NM6	3/10/2003	Bottom Water	25.1
North Western	NM6	4/1/2003	Surface Water	13.7
North Western	NM6	4/1/2003	Middle Water	15.9
North Western	NM6	4/1/2003	Bottom Water	23.3
North Western	NM6	5/9/2003	Surface Water	9.6

North Western	NM6	5/9/2003	Middle Water	9.9
North Western	NM6	5/9/2003	Bottom Water	15.9
North Western	NM6	6/23/2003	Surface Water	9.1
North Western	NM6	6/23/2003	Middle Water	6.8
North Western	NM6	6/23/2003	Bottom Water	7.6
North Western	NM6	7/17/2003	Surface Water	4.2
North Western	NM6	7/17/2003	Middle Water	4.5
North Western	NM6	7/17/2003	Bottom Water	24.1
North Western	NM6	8/11/2003	Surface Water	8.3
North Western	NM6	8/11/2003	Bottom Water	9.6
North Western	NM6	9/19/2003	Surface Water	13.8
North Western	NM6	9/19/2003	Middle Water	13.3
North Western	NM6	9/19/2003	Bottom Water	11.7
North Western	NM6	10/27/2003	Surface Water	17.4
North Western	NM6	10/27/2003	Middle Water	18.1
North Western	NM6	10/27/2003	Bottom Water	28.7
North Western	NM6	11/20/2003	Surface Water	10.6
North Western	NM6	11/20/2003	Middle Water	16.2
North Western	NM6	11/20/2003	Bottom Water	16.3
North Western	NM6	12/12/2003	Surface Water	21.8
North Western	NM6	12/12/2003	Middle Water	21.7
North Western	NM6	12/12/2003	Bottom Water	21.4
North Western	NM6	1/26/2004	Surface Water	12.7
North Western	NM6	1/26/2004	Middle Water	13.2
North Western	NM6	1/26/2004	Bottom Water	13.8
North Western	NM6	2/5/2004	Surface Water	21.8
North Western	NM6	2/5/2004	Middle Water	22.7
North Western	NM6	2/5/2004	Bottom Water	28.8
North Western	NM6	3/15/2004	Surface Water	8
North Western	NM6	3/15/2004	Middle Water	9.2
North Western	NM6	3/15/2004	Bottom Water	11.7
North Western	NM6	4/2/2004	Surface Water	11.4
North Western	NM6	4/2/2004	Middle Water	14.8
North Western	NM6	4/2/2004	Bottom Water	16.9
North Western	NM6	5/3/2004	Surface Water	9.2
North Western	NM6	5/3/2004	Middle Water	11.3
North Western	NM6	5/3/2004	Bottom Water	11.9
North Western	NM6	6/2/2004	Surface Water	9.2
North Western	NM6	6/2/2004	Middle Water	10
North Western	NM6	6/2/2004	Bottom Water	14.9
North Western	NM6	7/7/2004	Surface Water	11.3
North Western	NM6	7/7/2004	Middle Water	12.1
North Western	NM6	7/7/2004	Bottom Water	15.1
North Western	NM6	8/19/2004	Surface Water	10.4
North Western	NM6	8/19/2004	Middle Water	17.9
North Western	NM6	8/19/2004	Bottom Water	29
North Western	NM6	9/20/2004	Surface Water	14.3
North Western	NM6	9/20/2004	Middle Water	12.5
North Western	NM6	9/20/2004	Bottom Water	18.1
North Western	NM6	10/13/2004	Surface Water	12.6
North Western	NM6	10/13/2004	Middle Water	13.1
North Western	NM6	10/13/2004	Bottom Water	20.6
North Western	NM6	11/11/2004	Surface Water	10.6
North Western	NM6	11/11/2004	Middle Water	10.8
North Western	NM6	11/11/2004	Bottom Water	13.6
North Western	NM6	12/10/2004	Surface Water	14.3

North Western	NM6	12/10/2004	Bottom Water	15.8
North Western	NM6	1/17/2005	Surface Water	16.7
North Western	NM6	1/17/2005	Middle Water	17.3
North Western	NM6	1/17/2005	Bottom Water	19.1
North Western	NM6	2/25/2005	Surface Water	14.4
North Western	NM6	2/25/2005	Middle Water	14.2
North Western	NM6	2/25/2005	Bottom Water	19
North Western	NM6	3/14/2005	Surface Water	25.5
North Western	NM6	3/14/2005	Middle Water	26.7
North Western	NM6	3/14/2005	Bottom Water	30.3
North Western	NM6	4/20/2005	Surface Water	9.1
North Western	NM6	4/20/2005	Middle Water	10.1
North Western	NM6	4/20/2005	Bottom Water	11.5
North Western	NM6	5/20/2005	Surface Water	7.4
North Western	NM6	5/20/2005	Middle Water	8.7
North Western	NM6	5/20/2005	Bottom Water	11.5
North Western	NM6	6/8/2005	Surface Water	14.6
North Western	NM6	6/8/2005	Middle Water	14.7
North Western	NM6	6/8/2005	Bottom Water	22.2
North Western	NM6	7/8/2005	Surface Water	13.8
North Western	NM6	7/8/2005	Middle Water	14.1
North Western	NM6	7/8/2005	Bottom Water	17
North Western	NM6	8/5/2005	Surface Water	5.3
North Western	NM6	8/5/2005	Middle Water	5.4
North Western	NM6	8/5/2005	Bottom Water	5.9
North Western	NM6	9/29/2005	Surface Water	14.7
North Western	NM6	9/29/2005	Middle Water	16.3
North Western	NM6	9/29/2005	Bottom Water	21.9
North Western	NM6	10/20/2005	Surface Water	17.7
North Western	NM6	10/20/2005	Middle Water	17.9
North Western	NM6	10/20/2005	Bottom Water	29.3
North Western	NM6	11/23/2005	Surface Water	20.4
North Western	NM6	11/23/2005	Middle Water	20.7
North Western	NM6	11/23/2005	Bottom Water	22.3
North Western	NM6	12/10/2005	Surface Water	13.2
North Western	NM6	12/10/2005	Middle Water	13.5
North Western	NM6	12/10/2005	Bottom Water	13.2
North Western	NM6	1/6/2006	Surface Water	19.7
North Western	NM6	1/6/2006	Middle Water	19.7
North Western	NM6	1/6/2006	Bottom Water	21.2
North Western	NM6	2/17/2006	Surface Water	21.2
North Western	NM6	2/17/2006	Middle Water	26.3
North Western	NM6	2/17/2006	Bottom Water	28.4
North Western	NM6	3/8/2006	Surface Water	11.6
North Western	NM6	3/8/2006	Middle Water	11.7
North Western	NM6	3/8/2006	Bottom Water	12.8
North Western	NM6	4/25/2006	Surface Water	11.4
North Western	NM6	4/25/2006	Middle Water	11.6
North Western	NM6	4/25/2006	Bottom Water	11.2
North Western	NM6	5/22/2006	Surface Water	7.5
North Western	NM6	5/22/2006	Middle Water	7.5
North Western	NM6	5/22/2006	Bottom Water	9
North Western	NM6	6/19/2006	Surface Water	10.1
North Western	NM6	6/19/2006	Middle Water	9
North Western	NM6	6/19/2006	Bottom Water	13.9
North Western	NM6	7/10/2006	Surface Water	47.3

North Western	NM6	7/10/2006	Bottom Water	48.2
North Western	NM6	8/7/2006	Surface Water	26.1
North Western	NM6	8/7/2006	Middle Water	25.2
North Western	NM6	8/7/2006	Bottom Water	36.9
North Western	NM6	9/25/2006	Surface Water	23.1
North Western	NM6	9/25/2006	Middle Water	24.1
North Western	NM6	9/25/2006	Bottom Water	95.3
North Western	NM6	10/23/2006	Surface Water	15.4
North Western	NM6	10/23/2006	Middle Water	21.6
North Western	NM6	10/23/2006	Bottom Water	38.9
North Western	NM6	11/20/2006	Surface Water	17.5
North Western	NM6	11/20/2006	Middle Water	20.6
North Western	NM6	11/20/2006	Bottom Water	23.7
North Western	NM6	12/15/2006	Surface Water	18.1
North Western	NM6	12/15/2006	Middle Water	15.4
North Western	NM6	12/15/2006	Bottom Water	15.1
Baseline	C1	10/24/2007	Depth-averaged 1	8.933333333
Baseline	C1	10/24/2007	Depth-averaged 2	8.666666667
Baseline	C1	10/24/2007		
Baseline	C1	10/24/2007		
Baseline	C1	10/24/2007		
Baseline	C1	10/24/2007		
Baseline	C1	10/25/2007	Depth-averaged 1	7.033333333
Baseline	C1	10/25/2007	Depth-averaged 2	6.633333333
Baseline	C1	10/25/2007		
Baseline	C1	10/25/2007		
Baseline	C1	10/25/2007		
Baseline	C1	10/25/2007		
Baseline	C1	10/26/2007	Depth-averaged 1	9.366666667
Baseline	C1	10/26/2007	Depth-averaged 2	9.333333333
Baseline	C1	10/26/2007		
Baseline	C1	10/26/2007		
Baseline	C1	10/26/2007		
Baseline	C1	10/26/2007		
Baseline	C1	10/27/2007	Depth-averaged 1	9.966666667
Baseline	C1	10/27/2007	Depth-averaged 2	10.03333333
Baseline	C1	10/27/2007		
Baseline	C1	10/27/2007		
Baseline	C1	10/27/2007		
Baseline	C1	10/27/2007		
Baseline	C1	10/28/2007	Depth-averaged 1	17.7
Baseline	C1	10/28/2007	Depth-averaged 2	17.96666667
Baseline	C1	10/28/2007		
Baseline	C1	10/28/2007		
Baseline	C1	10/28/2007		
Baseline	C1	10/28/2007		
Baseline	C1	10/29/2007	Depth-averaged 1	6.433333333
Baseline	C1	10/29/2007	Depth-averaged 2	6.6
Baseline	C1	10/29/2007		
Baseline	C1	10/29/2007		
Baseline	C1	10/29/2007		
Baseline	C1	10/29/2007		
Baseline	C1	10/30/2007	Depth-averaged 1	18.46666667
Baseline	C1	10/30/2007	Depth-averaged 2	17.93333333
Baseline	C1	10/30/2007		
Baseline	C1	10/30/2007		

Baseline	C1	10/30/2007		
Baseline	C1	10/30/2007		
Baseline	C1	10/24/2007	Depth-averaged 1	13.16666667
Baseline	C1	10/24/2007	Depth-averaged 2	13.06666667
Baseline	C1	10/24/2007		
Baseline	C1	10/24/2007		
Baseline	C1	10/24/2007		
Baseline	C1	10/24/2007		
Baseline	C1	10/25/2007	Depth-averaged 1	16.53333333
Baseline	C1	10/25/2007	Depth-averaged 2	16.66666667
Baseline	C1	10/25/2007		
Baseline	C1	10/25/2007		
Baseline	C1	10/25/2007		
Baseline	C1	10/25/2007		
Baseline	C1	10/26/2007	Depth-averaged 1	12.4
Baseline	C1	10/26/2007	Depth-averaged 2	12.36666667
Baseline	C1	10/26/2007		
Baseline	C1	10/26/2007		
Baseline	C1	10/26/2007		
Baseline	C1	10/26/2007		
Baseline	C1	10/27/2007	Depth-averaged 1	20.4
Baseline	C1	10/27/2007	Depth-averaged 2	20.66666667
Baseline	C1	10/27/2007		
Baseline	C1	10/27/2007		
Baseline	C1	10/27/2007		
Baseline	C1	10/27/2007		
Baseline	C1	10/28/2007	Depth-averaged 1	9.966666667
Baseline	C1	10/28/2007	Depth-averaged 2	9.933333333
Baseline	C1	10/28/2007		
Baseline	C1	10/28/2007		
Baseline	C1	10/28/2007		
Baseline	C1	10/28/2007		
Baseline	C1	10/29/2007	Depth-averaged 1	20.23333333
Baseline	C1	10/29/2007	Depth-averaged 2	20.6
Baseline	C1	10/29/2007		
Baseline	C1	10/29/2007		
Baseline	C1	10/29/2007		
Baseline	C1	10/29/2007		
Baseline	C1	10/30/2007	Depth-averaged 1	6.233333333
Baseline	C1	10/30/2007	Depth-averaged 2	6.066666667
Baseline	C1	10/30/2007		
Baseline	C1	10/30/2007		
Baseline	C1	10/30/2007		
Baseline	C1	10/30/2007		
Baseline	C2	10/24/2007	Depth-averaged 1	5.7
Baseline	C2	10/24/2007	Depth-averaged 2	5.733333333
Baseline	C2	10/24/2007		
Baseline	C2	10/24/2007		
Baseline	C2	10/24/2007		
Baseline	C2	10/24/2007		
Baseline	C2	10/25/2007	Depth-averaged 1	9.7
Baseline	C2	10/25/2007	Depth-averaged 2	10
Baseline	C2	10/25/2007		
Baseline	C2	10/25/2007		
Baseline	C2	10/25/2007		
Baseline	C2	10/25/2007		

Baseline	C2	10/26/2007	Depth-averaged 1	11.16666667
Baseline	C2	10/26/2007	Depth-averaged 2	11.33333333
Baseline	C2	10/26/2007		
Baseline	C2	10/26/2007		
Baseline	C2	10/26/2007		
Baseline	C2	10/26/2007		
Baseline	C2	10/27/2007	Depth-averaged 1	12.93333333
Baseline	C2	10/27/2007	Depth-averaged 2	12.7
Baseline	C2	10/27/2007		
Baseline	C2	10/27/2007		
Baseline	C2	10/27/2007		
Baseline	C2	10/27/2007		
Baseline	C2	10/28/2007	Depth-averaged 1	17.03333333
Baseline	C2	10/28/2007	Depth-averaged 2	16.86666667
Baseline	C2	10/28/2007		
Baseline	C2	10/28/2007		
Baseline	C2	10/28/2007		
Baseline	C2	10/28/2007		
Baseline	C2	10/29/2007	Depth-averaged 1	14.36666667
Baseline	C2	10/29/2007	Depth-averaged 2	14.53333333
Baseline	C2	10/29/2007		
Baseline	C2	10/29/2007		
Baseline	C2	10/29/2007		
Baseline	C2	10/29/2007		
Baseline	C2	10/30/2007	Depth-averaged 1	15.36666667
Baseline	C2	10/30/2007	Depth-averaged 2	15.43333333
Baseline	C2	10/30/2007		
Baseline	C2	10/30/2007		
Baseline	C2	10/30/2007		
Baseline	C2	10/30/2007		
Baseline	C2	10/24/2007	Depth-averaged 1	16.26666667
Baseline	C2	10/24/2007	Depth-averaged 2	16.63333333
Baseline	C2	10/24/2007		
Baseline	C2	10/24/2007		
Baseline	C2	10/24/2007		
Baseline	C2	10/24/2007		
Baseline	C2	10/25/2007	Depth-averaged 1	25.66666667
Baseline	C2	10/25/2007	Depth-averaged 2	25.6
Baseline	C2	10/25/2007		
Baseline	C2	10/25/2007		
Baseline	C2	10/25/2007		
Baseline	C2	10/25/2007		
Baseline	C2	10/26/2007	Depth-averaged 1	16.56666667
Baseline	C2	10/26/2007	Depth-averaged 2	16.73333333
Baseline	C2	10/26/2007		
Baseline	C2	10/26/2007		
Baseline	C2	10/26/2007		
Baseline	C2	10/26/2007		
Baseline	C2	10/27/2007	Depth-averaged 1	13.36666667
Baseline	C2	10/27/2007	Depth-averaged 2	12.9
Baseline	C2	10/27/2007		
Baseline	C2	10/27/2007		
Baseline	C2	10/27/2007		
Baseline	C2	10/27/2007		
Baseline	C2	10/28/2007	Depth-averaged 1	15.96666667
Baseline	C2	10/28/2007	Depth-averaged 2	15.96666667

Baseline	C2	10/28/2007		
Baseline	C2	10/28/2007		
Baseline	C2	10/28/2007		
Baseline	C2	10/28/2007		
Baseline	C2	10/29/2007	Depth-averaged 1	18.36666667
Baseline	C2	10/29/2007	Depth-averaged 2	17.9
Baseline	C2	10/29/2007		
Baseline	C2	10/29/2007		
Baseline	C2	10/29/2007		
Baseline	C2	10/29/2007		
Baseline	C2	10/30/2007	Depth-averaged 1	6.3
Baseline	C2	10/30/2007	Depth-averaged 2	6.5
Baseline	C2	10/30/2007		
Baseline	C2	10/30/2007		
Baseline	C2	10/30/2007		
Baseline	C2	10/30/2007		
Baseline	C3	10/24/2007	Depth-averaged 1	10.76666667
Baseline	C3	10/24/2007	Depth-averaged 2	11.2
Baseline	C3	10/24/2007		
Baseline	C3	10/24/2007		
Baseline	C3	10/24/2007		
Baseline	C3	10/24/2007		
Baseline	C3	10/25/2007	Depth-averaged 1	7.066666667
Baseline	C3	10/25/2007	Depth-averaged 2	6.766666667
Baseline	C3	10/25/2007		
Baseline	C3	10/25/2007		
Baseline	C3	10/25/2007		
Baseline	C3	10/25/2007		
Baseline	C3	10/26/2007	Depth-averaged 1	10
Baseline	C3	10/26/2007	Depth-averaged 2	9.666666667
Baseline	C3	10/26/2007		
Baseline	C3	10/26/2007		
Baseline	C3	10/26/2007		
Baseline	C3	10/26/2007		
Baseline	C3	10/27/2007	Depth-averaged 1	13.26666667
Baseline	C3	10/27/2007	Depth-averaged 2	13.26666667
Baseline	C3	10/27/2007		
Baseline	C3	10/27/2007		
Baseline	C3	10/27/2007		
Baseline	C3	10/27/2007		
Baseline	C3	10/28/2007	Depth-averaged 1	17
Baseline	C3	10/28/2007	Depth-averaged 2	16.86666667
Baseline	C3	10/28/2007		
Baseline	C3	10/28/2007		
Baseline	C3	10/28/2007		
Baseline	C3	10/28/2007		
Baseline	C3	10/29/2007	Depth-averaged 1	17.93333333
Baseline	C3	10/29/2007	Depth-averaged 2	18.26666667
Baseline	C3	10/29/2007		
Baseline	C3	10/29/2007		
Baseline	C3	10/29/2007		
Baseline	C3	10/29/2007		
Baseline	C3	10/30/2007	Depth-averaged 1	30.26666667
Baseline	C3	10/30/2007	Depth-averaged 2	30.4
Baseline	C3	10/30/2007		
Baseline	C3	10/30/2007		

Baseline	C3	10/30/2007		
Baseline	C3	10/30/2007		
Baseline	C3	10/24/2007	Depth-averaged 1	14.03333333
Baseline	C3	10/24/2007	Depth-averaged 2	12.76666667
Baseline	C3	10/24/2007		
Baseline	C3	10/24/2007		
Baseline	C3	10/24/2007		
Baseline	C3	10/24/2007		
Baseline	C3	10/25/2007	Depth-averaged 1	7.2
Baseline	C3	10/25/2007	Depth-averaged 2	7.033333333
Baseline	C3	10/25/2007		
Baseline	C3	10/25/2007		
Baseline	C3	10/25/2007		
Baseline	C3	10/25/2007		
Baseline	C3	10/26/2007	Depth-averaged 1	9.8
Baseline	C3	10/26/2007	Depth-averaged 2	9.9
Baseline	C3	10/26/2007		
Baseline	C3	10/26/2007		
Baseline	C3	10/26/2007		
Baseline	C3	10/26/2007		
Baseline	C3	10/27/2007	Depth-averaged 1	16.7
Baseline	C3	10/27/2007	Depth-averaged 2	15.9
Baseline	C3	10/27/2007		
Baseline	C3	10/27/2007		
Baseline	C3	10/27/2007		
Baseline	C3	10/27/2007		
Baseline	C3	10/28/2007	Depth-averaged 1	17
Baseline	C3	10/28/2007	Depth-averaged 2	16.76666667
Baseline	C3	10/28/2007		
Baseline	C3	10/28/2007		
Baseline	C3	10/28/2007		
Baseline	C3	10/28/2007		
Baseline	C3	10/29/2007	Depth-averaged 1	16.96666667
Baseline	C3	10/29/2007	Depth-averaged 2	16.36666667
Baseline	C3	10/29/2007		
Baseline	C3	10/29/2007		
Baseline	C3	10/29/2007		
Baseline	C3	10/29/2007		
Baseline	C3	10/30/2007	Depth-averaged 1	14.73333333
Baseline	C3	10/30/2007	Depth-averaged 2	14.76666667
Baseline	C3	10/30/2007		
Baseline	C3	10/30/2007		
Baseline	C3	10/30/2007		
Baseline	C3	10/30/2007		
Baseline	MP	10/24/2007	Depth-averaged 1	16.16666667
Baseline	MP	10/24/2007	Depth-averaged 2	16.46666667
Baseline	MP	10/24/2007		
Baseline	MP	10/24/2007		
Baseline	MP	10/24/2007		
Baseline	MP	10/24/2007		
Baseline	MP	10/25/2007	Depth-averaged 1	14.7
Baseline	MP	10/25/2007	Depth-averaged 2	14.53333333
Baseline	MP	10/25/2007		
Baseline	MP	10/25/2007		
Baseline	MP	10/25/2007		
Baseline	MP	10/25/2007		

Baseline	MP	10/26/2007	Depth-averaged 1	11.26666667
Baseline	MP	10/26/2007	Depth-averaged 2	11.16666667
Baseline	MP	10/26/2007		
Baseline	MP	10/26/2007		
Baseline	MP	10/26/2007		
Baseline	MP	10/26/2007		
Baseline	MP	10/27/2007	Depth-averaged 1	12.63333333
Baseline	MP	10/27/2007	Depth-averaged 2	12.66666667
Baseline	MP	10/27/2007		
Baseline	MP	10/27/2007		
Baseline	MP	10/27/2007		
Baseline	MP	10/27/2007		
Baseline	MP	10/28/2007	Depth-averaged 1	12
Baseline	MP	10/28/2007	Depth-averaged 2	12.15
Baseline				
Baseline				
Baseline	MP	10/28/2007		
Baseline	MP	10/28/2007		
Baseline	MP	10/29/2007	Depth-averaged 1	11.23333333
Baseline	MP	10/29/2007	Depth-averaged 2	11.23333333
Baseline	MP	10/29/2007		
Baseline	MP	10/29/2007		
Baseline	MP	10/29/2007		
Baseline	MP	10/29/2007		
Baseline	MP	10/30/2007	Depth-averaged 1	8.95
Baseline	MP	10/30/2007	Depth-averaged 2	9.2
Baseline				
Baseline				
Baseline	MP	10/30/2007		
Baseline	MP	10/30/2007		
Baseline	MP	10/24/2007	Depth-averaged 1	14.3
Baseline	MP	10/24/2007	Depth-averaged 2	14.55
Baseline				
Baseline				
Baseline	MP	10/24/2007		
Baseline	MP	10/24/2007		
Baseline	MP	10/25/2007	Depth-averaged 1	11
Baseline	MP	10/25/2007	Depth-averaged 2	11.05
Baseline				
Baseline				
Baseline	MP	10/25/2007		
Baseline	MP	10/25/2007		
Baseline	MP	10/26/2007	Depth-averaged 1	11.1
Baseline	MP	10/26/2007	Depth-averaged 2	11.55
Baseline				
Baseline				
Baseline	MP	10/26/2007		
Baseline	MP	10/26/2007		
Baseline	MP	10/27/2007	Depth-averaged 1	21.56666667
Baseline	MP	10/27/2007	Depth-averaged 2	21.53333333
Baseline	MP	10/27/2007		
Baseline	MP	10/27/2007		
Baseline	MP	10/27/2007		
Baseline	MP	10/27/2007		
Baseline	MP	10/28/2007	Depth-averaged 1	22.7
Baseline	MP	10/28/2007	Depth-averaged 2	22.86666667

Baseline	MP	10/28/2007		
Baseline	MP	10/28/2007		
Baseline	MP	10/28/2007		
Baseline	MP	10/28/2007		
Baseline	MP	10/29/2007	Depth-averaged 1	25.7
Baseline	MP	10/29/2007	Depth-averaged 2	25.95
Baseline				
Baseline				
Baseline	MP	10/29/2007		
Baseline	MP	10/29/2007		
Baseline	MP	10/30/2007	Depth-averaged 1	12.6
Baseline	MP	10/30/2007	Depth-averaged 2	12.5
Baseline				
Baseline				
Baseline	MP	10/30/2007		
Baseline	MP	10/30/2007		
Baseline	MPB1	10/24/2007	Depth-averaged 1	10.56666667
Baseline	MPB1	10/24/2007	Depth-averaged 2	10.26666667
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/25/2007	Depth-averaged 1	20.66666667
Baseline	MPB1	10/25/2007	Depth-averaged 2	20.53333333
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/26/2007	Depth-averaged 1	16.73333333
Baseline	MPB1	10/26/2007	Depth-averaged 2	16.46666667
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/27/2007	Depth-averaged 1	19.5
Baseline	MPB1	10/27/2007	Depth-averaged 2	20.16666667
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/28/2007	Depth-averaged 1	20.66666667
Baseline	MPB1	10/28/2007	Depth-averaged 2	20.56666667
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/29/2007	Depth-averaged 1	23
Baseline	MPB1	10/29/2007	Depth-averaged 2	23.86666667
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/30/2007	Depth-averaged 1	13.1
Baseline	MPB1	10/30/2007	Depth-averaged 2	13.13333333
Baseline	MPB1	10/30/2007		
Baseline	MPB1	10/30/2007		

Baseline	MPB1	10/30/2007		
Baseline	MPB1	10/30/2007		
Baseline	MPB1	10/24/2007	Depth-averaged 1	12.36666667
Baseline	MPB1	10/24/2007	Depth-averaged 2	12.56666667
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/24/2007		
Baseline	MPB1	10/25/2007	Depth-averaged 1	13.93333333
Baseline	MPB1	10/25/2007	Depth-averaged 2	13.96666667
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/25/2007		
Baseline	MPB1	10/26/2007	Depth-averaged 1	13.03333333
Baseline	MPB1	10/26/2007	Depth-averaged 2	12.9
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/26/2007		
Baseline	MPB1	10/27/2007	Depth-averaged 1	57.83333333
Baseline	MPB1	10/27/2007	Depth-averaged 2	57.46666667
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/27/2007		
Baseline	MPB1	10/28/2007	Depth-averaged 1	29.33333333
Baseline	MPB1	10/28/2007	Depth-averaged 2	28.56666667
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/28/2007		
Baseline	MPB1	10/29/2007	Depth-averaged 1	21.03333333
Baseline	MPB1	10/29/2007	Depth-averaged 2	20.96666667
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/29/2007		
Baseline	MPB1	10/30/2007	Depth-averaged 1	21.3
Baseline	MPB1	10/30/2007	Depth-averaged 2	21.3
Baseline	MPB1	10/30/2007		
Baseline	MPB1	10/30/2007		
Baseline	MPB1	10/30/2007		
Baseline	MPB1	10/30/2007		
Baseline	MPB2	10/24/2007	Depth-averaged 1	19.26666667
Baseline	MPB2	10/24/2007	Depth-averaged 2	19.2
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/25/2007	Depth-averaged 1	7.866666667
Baseline	MPB2	10/25/2007	Depth-averaged 2	7.866666667
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/25/2007		

Baseline	MPB2	10/26/2007	Depth-averaged 1	11.83333333
Baseline	MPB2	10/26/2007	Depth-averaged 2	11.66666667
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/27/2007	Depth-averaged 1	33.23333333
Baseline	MPB2	10/27/2007	Depth-averaged 2	33.8
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/28/2007	Depth-averaged 1	26.76666667
Baseline	MPB2	10/28/2007	Depth-averaged 2	26.7
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/29/2007	Depth-averaged 1	14
Baseline	MPB2	10/29/2007	Depth-averaged 2	13.76666667
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/30/2007	Depth-averaged 1	10.96666667
Baseline	MPB2	10/30/2007	Depth-averaged 2	11.26666667
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/24/2007	Depth-averaged 1	9.366666667
Baseline	MPB2	10/24/2007	Depth-averaged 2	9.133333333
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/24/2007		
Baseline	MPB2	10/25/2007	Depth-averaged 1	15.43333333
Baseline	MPB2	10/25/2007	Depth-averaged 2	15.33333333
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/25/2007		
Baseline	MPB2	10/26/2007	Depth-averaged 1	10.63333333
Baseline	MPB2	10/26/2007	Depth-averaged 2	10.4
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/26/2007		
Baseline	MPB2	10/27/2007	Depth-averaged 1	36.63333333
Baseline	MPB2	10/27/2007	Depth-averaged 2	37.4
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/27/2007		
Baseline	MPB2	10/28/2007	Depth-averaged 1	13
Baseline	MPB2	10/28/2007	Depth-averaged 2	13.26666667

Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/28/2007		
Baseline	MPB2	10/29/2007	Depth-averaged 1	15.3
Baseline	MPB2	10/29/2007	Depth-averaged 2	14.73333333
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/29/2007		
Baseline	MPB2	10/30/2007	Depth-averaged 1	15.46666667
Baseline	MPB2	10/30/2007	Depth-averaged 2	15.16666667
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/30/2007		
Baseline	MPB2	10/30/2007		
			95%-tile	33.80
			99%-tile	52.33

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