AUES PROJECT NO.: TCS/00684/13

WSD CONTRACT NO. 1/WSD/13 - IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU

BASELINE MONITORING REPORT

PREPARED FOR
CHINA ROAD- CHINA PIPELINE JOINT VENTURE

Quality Index

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24 February 2014	TCS00684/13/600/R0014	Ben Tam Environmental Consultant	T.W. Tam Environmental Team Leader

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1	13 Feb 2014	First Submission
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(no. 3485 4114)

Attention: Mr. Ernest CHAN

Dear Sir

Contract No. 1/WSD/13
Independent Environmental Checker Services for
Improvement of Freshwater Supply to Cheung Chau
Baseline Monitoring Report

Reference is made to the *Baseline Monitoring Report (Rev. 3 Ref No: TCS00684/13/600/R0014)* dated 24 March 2014 submitted by the Environmental Team via their e-mail on 24 March 2014.

We are pleased to inform you that we have no further comment on the captioned document. We herewith verify that the Baseline Monitoring Report is prepared in accordance with Condition 5.3 of Environmental Permit No. EP-392/2010.

Thank you very much for your kind attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully
For and on behalf of
SMEC Asia Limited

Vivian CHAN
Independent Environmental Checker

c.c.	WSD	Mr. Lo	(By Fax: 2351 6949)
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EXECUTIVE SUMMARY

ES.01 Water Supplies Department (hereafter referred as "WSD") is the Project Proponent and the Permit Holder of *Improvement of Fresh Water Supply to Cheung Chau* (hereinafter referred as "the Project"), which is a Designated Project to be implemented under Environmental Permit number EP-392/2010 (hereinafter referred as "the EP-392/2010" or "the EP").

ES.02 Action-United Environmental Services & Consulting (hereinafter referred as "AUES") has been commissioned as the Environmental Team for the Project (hereinafter referred as "the ET") to perform relevant EM&A programme, including baseline and impact environmental monitoring in accordance with the EM&A Manual approved under the Environmental Impact Assessment Ordinance (EIAO).

ES.03 According to the Approved EM&A Manual, only noise and water quality monitoring should be required to be monitored during the construction phase of the Project. Pursuant to the EP, baseline environmental monitoring is required to be conducted prior to commencement of the construction works under the Project. For the EP stipulation, baseline monitoring including continuous noise and water quality was conducted from ***4 January*** to ***31 January 2014***. During the baseline monitoring period, no construction activities under the Project or other external influencing factors of significant concern were observed.

ES.04 This report summarizes the key findings and presents the process and rationale behind determining a set of Action and Limit Levels (A/L Levels) of construction noise and water quality based on the baseline data. These A/L Levels will serve as the yardsticks for assessing the acceptability of the environmental impact during construction phase of the Project Works impact monitoring. They are statistical in nature and derived according to the criteria set out in the Approved EM&A Manual.

ES.05 Results of the derived Action and Limit Levels for the construction noise and water quality are given in ***Tables ES-1 and ES-2*** as follows.

Table ES-1 Action and Limit Levels of Construction Noise Monitoring

Monitoring Location	Action Level	Limit Level in dB(A)
	Time Period: 0700-1900 hours on normal weekdays	
N1	When one or more documented complaints are received	75 dB(A)

Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed.

Table ES-2 Action and Limit Levels of Water Quality Monitoring

Impact Station	Dissolved Oxygen (mg/L)				Depth Average of Turbidity (NTU)		Depth Average of SS (mg/L)	
	Depth Average of Surface & Middle		Bottom					
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1	5.64	4.54	NA	NA	5.87	8.81	7.00	8.00
W2	5.16	5.02	NA	NA	5.50	5.66	7.00	8.00
W3	6.18	5.66	5.36	5.05	6.94	7.29	8.00	8.00
W4	5.94	4.95	5.71	5.54	7.50	8.03	7.85	11.57
W5	5.14	5.00	5.79	5.79	5.44	7.43	6.00	6.43
W6	5.92	4.26	6.04	4.49	6.82	7.10	8.00	9.59
W7	6.08	5.78	6.08	5.60	5.71	6.26	7.85	10.00

ES.06 In cases where exceedance of these criteria occurs, actions should be carried out in accordance with the Event Action Plan as shown the Approved EM&A Manual.

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1.0 INTRODUCTION

PROJECT BACKGROUND

1.01 Action-United Environmental Services and Consulting (AUES) has been appointed as the independent environmental team (ET) to implement the relevant EM&A programme of Water Supplies Department (WSD) Contract No. ***1/WSD/13 – Improvement of Fresh Water Supply to Cheung Chau***. In the Project, **China Road - China Pipeline Joint Venture** (hereinafter "CRCPJV") is a main-contractor, SMEC Asia Limited as an Independent Environmental Checker (IEC), and Black & Veatch Hong Kong Limited is the representative engineer on site to manage the Project.

1.02 The scope of the works comprises primarily the laying of a new submarine fresh water main across the Adamasta Channel from Lantau Island to Cheung Chau by horizontal directional drilling method to enhance the reliability of fresh water supply to Cheung Chau. The Works is predicted to be undertaken about 24 months. The layout plan of project is shown in ***Appendix A***.

1.03 As part of the EM&A program, baseline monitoring is required to determine the ambient environmental conditions. Therefore, baseline monitoring was carried out between ***4 January*** and ***31 January 2014*** for the aspect environmental parameters including noise and water quality before construction work commencement.

1.04 14 consecutive days of continuous noise monitoring requirement had been undertaken at the designated location N1 from ***18*** to ***31 January 2014***; also a 4-weeks marine water quality monitoring had been carried out at nine locations as designated in the EM&A Manual from ***4*** to ***29 January 2014***. During the baseline monitoring period, there were no construction activities of this project or other external influencing factors of significant concern observed by the ET.

1.05 This Baseline Monitoring Report presents the details of the baseline study including project background, monitoring methodology, monitoring results, summary of findings, and Action/Limit (A/L) Levels established for subsequent use in the Project construction phase EM&A program.

REPORT STRUCTURE

1.06 The Baseline Monitoring Report is structured into the following sections:-

Section 1	Introduction
Section 2	Summaries of Baseline Monitoring Requirement.
Section 3	Baseline Monitoring Methodology
Section 4	Baseline Monitoring Results
Section 5	Conclusion and Recommendation

2.0 SUMMARY OF BASELINE MONITORING REQUIREMENT

GENERAL

2.01 The Environmental Monitoring and Audit requirements are set out in the Approved EM&A manual. Environmental aspects such as the construction noise and marine water quality were identified as the key issues during the construction phase of the Project.

2.02 This report presents the results obtained during the baseline monitoring program of noise and marine water between **4** and **31 January 2014**. A summary of the baseline EM&A requirements for noise and water monitoring are presented in the sub-sections below.

MONITORING PARAMETERS

2.03 The EM&A baseline monitoring program shall cover the following environmental issues:

- Construction noise; and
- Water quality.

2.04 A summary of the monitoring parameters is presented in ***Table 2-1***:

Table 2-1 Summary of the monitoring parameters of EM&A Requirements

Environmental Issue	Parameters
Water Quality	In-situ Measurements • Dissolved Oxygen Concentration (mg/L); • Dissolved Oxygen Saturation (%); • Turbidity (NTU); • pH value; • Salinity (ppt); • Water depth (m); • Temperature (ºC); and • Total residual chlorine (TRC) (mg/L)
	Laboratory Analysis • Suspended Solids (mg/L)
Noise	• $L_{eq(30min)}$ during normal working hours; and • $L_{eq(5min)}$ during Restricted Hours.

DESIGNATED MONITORING LOCATION

Water Quality

2.05 According to the *EM&A Manual Section 2.5*, there have two control and seven impact stations were recommended to carry out water quality monitoring. The monitoring stations of the detailed and coordinate are described in ***Table 2-2*** and the graphical is shown in ***Appendix B***.

Table 2-2 Location of Water Quality Monitoring Station

Station	Description	Co-ordinance	
		Easting	Northing
W1	Impact Station – Marine waters near the proposed launching site at Cheung Chau	820 704	808 688
W2	Impact Station – Marine waters near the proposed launching site at Cheung Chau	820 656	808 631
W3	Impact Station – Marine waters along the proposed water main alignment	820 445	809 036
W4	Impact Station – Marine waters along the proposed water main alignment	820 072	809 297
W5	Impact Station – Marine waters near the proposed reception site at Lantau	819 875	809 700
W6	Impact Station – Marine waters near the Cheung Sha Wan Fish Culture Zone	819 174	810 917

Station	Description	Co-ordinance	
		Easting	Northing
W7	Impact Station – Marine waters between the works and the Cheung Sha Wan Fish Culture Zone	820 055	810 523
W8	Control station – Marine waters of Adamasta Channel	821 328	810 240
W9	Control station – Marine waters of Adamasta Channel	819 045	807 953

Construction Noise

2.06 According to *EM&A Manual Section 6.4*, one noise sensitive receiver (NSR) is designated for the construction noise monitoring. The detailed construction noise monitoring station to under the Project is described in ***Table 2-3*** and graphical is shown in ***Appendix B***.

Table 2-3 Location of Construction Noise Monitoring Station

Noise Monitoring Station	NSR ID	Location
N1	NSR2	Village house at No. 1A Tai Kwan Wan San Tsuen

MONITORING FREQUENCY AND PERIOD

2.07 Baseline monitoring to be carried out in the EM&A programme is basically in accordance with the requirements in *EM&A Manual Sections* 2.6 and 6.5. The monitoring requirements are listed as follows

Water Quality

Parameters: Duplicate in-situ measurements: water depth, temperature, Dissolved Oxygen, pH, turbidity and salinity;

HOKLAS-accredited laboratory analysis: Suspended Solids.

Frequency: Three days per week, at mid-ebb and mid-flood tides. The interval between 2 monitoring days will be more than 36 hours.

Sampling Depth:
(i.) Three depths: 1m below water surface, 1m above sea bottom and at mid-depth when the water depth exceeds 6m.
(ii.) If the water depth is between 3m and 6m, two depths: 1m below water surface and 1m above sea bottom.
(iii.) If the water depth is less than 3m, 1 sample at mid-depth is taken

Duration: 4 weeks prior to the commencement of construction works

Noise

2.08 The baseline noise monitoring should be carried out continuous interval of 5 minutes for a period of at least two weeks before construction activities commencement. The A-weighted noise level L_{eq}, L_{10} and L_{90} will be recorded.

MONITORING EQUIPMENT

Water Quality Monitoring

2.09 **Dissolved Oxygen and Temperature Measuring Equipment** – The instrument should be a portable and weatherproof dissolved oxygen (DO) measuring instrument complete with cable and sensor, and use a DC power source. The equipment should be capable of measuring as included a DO level in the range of 0 – 20mg L-1 and 0 – 200% saturation; and a temperature of 0 – 45 degree Celsius.

2.10 **pH Meter** – The instrument shall consist of a potentiometer, a glass electrode, a reference electrode and a temperature-compensating device. It shall be readable to 0.1 pH in arrange of 0 to 14.

2.11 **Turbidity (NTU) Measuring Equipment** – The instrument should be a portable and weatherproof turbidity measuring instrument using a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0 - 1000 NTU.

2.12 **Water Sampling Equipment** – A water sampler should comprise a transparent PVC cylinder, with a capacity of not less than 2 litres, which can be effectively sealed with latex cups at both ends. The sampler should have 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.

2.13 **Water Depth Detector** – A portable, battery-operated echo sounder should be used for the determination of water depth at each designated monitoring station. This unit can either be hand held or affixed to the bottom of the work boat.

2.14 **Salinity Measuring Equipment** – A portable salinometer capable of measuring salinity in the range of 0 - 40 parts per thousand (ppt) should be provided for measuring salinity of the water at each monitoring location.

2.15 **Sample Containers and Storage** – Water samples for SS should be stored in high density polythene bottles with no preservative added, packed in ice (cooled to 4°C without being frozen).

2.16 **Monitoring Position Equipment** - A hand-held or boat-fixed type Digital Global Positioning System (DGPS) with way point bearing indication and Radio Technical Commission for maritime (RTCM) Type 16 error message 'screen pop-up' facilities (for real-time auto-display of error messages and DGPS corrections from the Hong Kong Hydrographic Office), or other equipment instrument of similar accuracy, should be provided and used during marine water monitoring to ensure the monitoring vessel is at the correct location before taking measurements.

2.17 **Suspended Solids Analysis** – Analysis of suspended solids shall be carried out in a HOKLAS or other international accredited laboratory.

Noise Monitoring

2.18 Sound level meter in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. The sound level meter shall be checked using an acoustic calibrator.

DERIVATION OF ACTION/LIMIT (A/L) LEVELS

2.19 The baseline results form the basis for determining the environmental acceptance criteria for the impact monitoring. A summary of derivation of Action/Limit (A/L) Levels for water quality and construction noise are shown in ***Table 2-4*** and ***2-5*** respectively.

Table 2-4 Derivation of Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/L (Surface, Middle and Bottom)	Surface and Middle 5%-ile of baseline data for surface and middle layer Bottom 5%-ile of baseline data for bottom layer	Surface and Middle 4 mg/L or 1%-ile of baseline data for surface and middle layer Bottom 2 mg/L or 1%-ile of baseline data for bottom layer
Turbidity in NTU (depth-averaged)	95%-ile of baseline data or 120% of upstream and downstream control station's turbidity at the same tide of the same day	99%-ile of baseline data or 130% of upstream and downstream control station's turbidity at the same tide of the same day

Parameters	Action	Limit
SS in mg/ L (depth-averaged)	95%-ile of baseline data or 120% of upstream and downstream control station's SS at the same tide of the same day	99%-ile of baseline data or 130% of upstream and downstream control station's SS at the same tide of the same day

Notes:

- *"Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths;*
- *For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.*
- *For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.*

Table 2-5 Derivation of Action and Limit Levels for Construction Noise

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hours on normal weekdays	When one documented complaint is received	> 75* dB(A)

*Note: * Reduces to 70 dB(A) for schools and 65 dB(A) during the school examination periods.*

3.0 BASELINE MONITORING METHDOLOGY

3.01 The baseline monitoring program of continuous noise and marine water were conducted between ***4 January*** and ***31 January 2014***. During the baseline monitoring period, there were no construction activities of this project or other external influencing factors of significant concern observed by the ET.

LOCATION OF BASELINE MONITORING

3.02 The Contractor and ET tried to contact the premises of the designated noise sensitive receiver N1-No.1A Village House Tai Kwan Wan San Tsuen for several times and unreachable. Therefore, alternative monitoring station was proposed by the ET and accepted by IEC. The alternative noise monitoring station light pole (no. VA6140) (hereafter referred as "N1a") is located at a path and very close to the original noise sensitive receiver N1 (around 3m far). Moreover, the location of N1a is closer to site boundary than other village houses in Tai Kwai Wan San Tsuen. Accessible to carry out noise monitoring at any time and cause less disturbance to the occupants during impact monitoring.

3.03 Between 18 and 31 January 2014, baseline continuous noise monitoring has been undertaken at alternative noise monitoring station N1a; also a 4-week baseline water quality monitoring program has been carried out at nine locations designated in the EM&A Manual from 4 January 2014 to 29 January 2014. The detailed information of water quality monitoring stations to be referred to ***Table 2-2***. Graphical plot of monitoring locations including noise and water quality show in ***Appendix B***.

MONITORING EQUIPMENT AT BASELINE MONITORING

3.04 The monitoring equipment using for the EM&A program was proposed by ET and verified by prior of monitoring work commencement. The detail of equipment using for baseline monitoring is listed in ***Table 3-1*** as below.

Table 3-1 Monitoring Equipment Used in EM&A Program

Equipment	Model
Water quality	
A Digital Global Positioning System	GPS12 Garmin
Water Depth Detector	Eagle Fish ID128
Water Sampler	A 2-litre transparent PVC cylinder with latex cups at both ends
Thermometer & DO meter	YSI Model 6820 Multi-parameter Water Quality Monitoring System
pH meter	
Turbidimeter	
Salinometer	
Sample Container	High density polythene bottles (provided by laboratory)
Storage Container	'Willow' 33-litter plastic cool box with Ice pad
Suspended Solids	HOKLAS-accredited laboratory (ALS Technichem (HK) Pty Ltd)
Noise	
Integrating Sound Level Meter	B&K Type 2238
Calibrator	B&K Type 4231

3.05 Sound level meter listed above is complied with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications, as recommended in Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO).

BASELINE MONITORING PROCEDURES

Water Quality

3.06 Between 4 January 2014 and 29 January 2014, water quality baseline monitoring was conducted

at the all designated locations. The sampling procedures for in-situ measurements are presented below:

Sampling Procedures

3.07 A Global Positioning System (GPS) was used to ensure that the correct location was selected prior to sample collection. A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

3.08 The water sampler was lowered into the water body at a predetermined depth. The trigger system of the sampler was activated with a messenger. The opening ends of the sampler were then closed accordingly and water samples were collected.

3.09 The sample container was rinsed with a portion of the water sample. The water sample was transferred to the container, and sealed with a screw cap.

3.10 Before commencement of the sampling, general information such as the date and time of sampling and tidal condition as well as the personnel responsible for the monitoring were recorded on the monitoring field data sheet.

3.11 Time of mid-ebb and mid-flood tides for marine water monitoring, were determined based on the predicted values at Cheung Chau Station by the Hong Kong Observatory.

3.12 Water temperature, turbidity, dissolved oxygen, salinity, pH and water depth were measured in situ. All in-situ measurements and sampling conducted at three water depths such as 1m below water surface, mid-depth, and 1m from seabed are performed at W3, W4, W6, W7, W8 and W9 due to water depths over 6m. Since W1 and W2 of water depths is less than 3m, so in-situ measurements and sampling were only conducted at mid-depth. Moreover, W5 water depth was detected sometimes exceeding 3.0m and sometimes less than 3.0m. Therefore, in-situ measurements and sampling conducted at W5 was sometimes at 1m below water surface and 1m from seabed, and sometimes at mid-depth to according the EM&A water monitoring requirements.

3.13 At each sampling depth, two consecutive measurements of temperature, dissolved oxygen, salinity, turbidity and pH were measured at the sea. The Multi-Parameter Water Quality Sonde were retrieved out of the water after the first measurement and then re-deployed for the second measurement. Where the difference in the value between the first and second readings of each set was more than 25% of the value of the first reading, the reading was discarded and further readings were taken.

3.14 The Multi-parameter Water Quality Monitoring System was calibrated by HOKLAS accredited laboratory of three month interval. During baseline water quality monitoring, the equipment is within the valid period.

Laboratory Analysis

3.15 All water samples were delivered to ALS Technichem (HK) Pty Ltd (HOKLAS registration no. 66) carry out Suspended Solids (SS) analysis. SS testing was used HOKLAS accredited analytical methods namely ALS Method EA-025.

Noise

3.16 Period from 18 January 2014 to 31 January 2014, baseline noise monitoring has been performed at N1a. The baseline noise monitoring is carried out continuous interval of 5 minutes for two weeks.

3.17 All noise measurement was performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq).

3.18 Due to safety reason, the sound level meter was mounted on a light post at a height of about 1.5m as different from the EM&A Manual requirement and placed at the assessment point and oriented

such that the microphone is pointed to the site with the microphone facing perpendicular to the line of sight. A waterproof windshield was fitted for all measurements. A free-field situation was performed for the baseline monitoring. A façade correction +3dB(A) has been added in the below ***Table 4-4*** of Summaries of Noise Monitoring Results.

3.19 Prior baseline noise measurement, the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Regular checking conducted in baseline monitoring period. The calibration level from before and after the noise measurement agrees to within 1.0dB.

3.20 An acoustic calibrator and sound level meter using baseline monitoring is within the valid period which calibrated per year.

DATA MANAGEMENT AND DATA QA/QC CONTROL

3.21 The baseline monitoring data were handled by the ET's in-house data recording and management system.

3.22 The monitoring data recorded in the equipment were downloaded directly from the equipment at the end of each monitoring day. The downloaded monitoring data were input into a computerized database properly maintained by the ET. The laboratory results were input directly into the computerized database and checked by personnel other than those who input the data.

3.23 For monitoring parameters that require laboratory analysis, the local laboratory was follow the QA/QC requirements as set out under the HOKLAS scheme for the relevant laboratory testing.

4.0 BASELINE MONITORING RESULTS

4.01 The baseline monitoring schedules are presented in ***Appendix C*** and the monitoring results are detailed in the following sub-sections.

RESULTS OF MARINE WATER QUALITY OF MONITORING

4.02 The baseline quality monitoring at nine (9) designated monitoring stations was performed a 4 weeks as between 4 January 2014 and 29 January 2014. The results at each designated monitoring station are presented in ***Tables 4-1***.

Table 4-1 Details of Water Quality Monitoring Stations

Monitoring Station	Status	Water Depth, m			Co-ordnance	
		Min	Max	Ave.	East	North
W1	Impact Station	2.5	2.9	2.8	820 704	808 688
W2	Impact Station	2.5	2.9	2.8	820 656	808 631
W3	Impact Station	7.2	8.8	8.3	820 445	809 036
W4	Impact Station	8.0	8.8	8.4	820 072	809 297
W5	Impact Station	2.5	5.2	3.1	819 875	809 700
W6	Impact Station	5.1	8.6	7.6	819 174	810 917
W7	Impact Station	6.2	8.0	6.8	820 055	810 523
W8	Control Station	8.4	9.9	9.2	821 328	810 240
W9	Control Station	8.8	10.0	9.3	819 045	807 953

4.03 The monitoring results are summarized in ***Tables 4-2***. Detailed monitoring results including in-situ measurements and laboratory analysis data are shown in ***Appendix E***.

Table 4-2 Summary of Water Quality Monitoring Results

Dissolved Oxygen – Depth Average of Surface & Mid-depth (mg/L)	W1	W2	W3	W4	W5	W6	W7	W8	W9
5%-ile	5.64	5.16	6.18	5.94	5.14	5.92	6.08	4.96	4.99
1%-ile	4.54	5.02	5.66	4.95	5.00	4.26	5.78	4.18	4.37
Average	7.74	7.76	7.89	7.74	7.51	7.91	8.32	7.67	7.74
Min	4.51	4.97	5.59	4.91	4.98	4.15	5.53	4.18	4.29
Max	10.90	10.64	10.52	10.64	10.38	10.45	11.25	10.82	10.32
Dissolved Oxygen – Bottom Depth (mg/L)	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**	**W9**
5%-ile	NA	NA	5.36	5.71	5.79	6.04	6.08	5.87	5.51
1%-ile	NA	NA	5.05	5.54	5.79	4.49	5.60	4.76	4.95
Average	NA	NA	7.90	7.92	6.96	8.21	8.43	7.98	7.95
Min	NA	NA	5.01	5.49	5.79	4.43	5.54	4.69	4.87
Max	NA	NA	10.60	10.81	8.56	10.73	11.36	11.16	10.33
Turbidity – Depth Average (NTU)	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**	**W9**
95%-ile	5.87	5.50	7.17	7.50	5.44	6.82	5.71	7.68	10.80
99%-ile	8.81	5.66	12.90	8.03	7.43	7.10	6.26	8.73	13.90
Average	3.18	3.14	3.73	4.06	3.20	3.32	3.08	3.93	4.90
Min	0.70	0.60	0.80	0.60	1.10	0.80	0.60	0.40	1.00
Max	8.90	5.71	13.80	8.40	7.60	7.43	6.60	9.70	14.50

Suspended Solids – Depth Average (mg/L)	W1	W2	W3	W4	W5	W6	W7	W8	W9
95%-ile	7.00	7.00	8.00	7.85	6.00	8.00	7.85	6.00	13.70
99%-ile	8.00	8.00	17.00	11.57	6.43	9.59	10.00	9.14	22.56
Average	3.98	4.31	4.58	4.42	4.05	3.83	3.82	3.88	5.20
Min	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Max	8.00	8.00	17.00	13.00	7.00	10.00	10.00	10.00	26.00
Salinity (ppt)	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**	**W9**
Min	32.47	32.39	32.48	31.73	32.65	30.74	31.62	30.64	30.64
Max	35.66	35.60	35.89	35.83	35.69	35.81	35.71	35.81	35.90
pH value (Unit)	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**	**W9**
Min	7.83	7.86	7.68	7.68	8.01	7.86	7.75	7.99	7.31
Max	8.39	8.37	8.41	8.37	8.39	8.39	8.49	8.41	8.42

Action/Limit Levels for Water Quality

4.04 From the raw data set, it can be noticed that the SS and Turbidity data obtained on 23 January 2014 pm at W3 monitoring station are out of the normal range of the ambient figures as compared with the other data obtained during the baseline monitoring period. So SS and turbidity data from that afternoon were taken as outliers to setting the Action and Limit Level for these two parameters.

4.05 The Action and Limit Levels for water quality are illustrated in ***Table 4-3***. The proposed environmental performance criteria are recommended according to ***Table 2-4*** of this report.

Table 4-3 Action and Limit Levels for Water Quality Monitoring

Monitoring Location	Dissolved Oxygen (mg/L)				Depth Average of Turbidity (NTU)		Depth Average of SS (mg/L)	
	Depth Average of Surface and Mid-depth		Bottom					
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1	5.64	4.54	NA	NA	5.87	8.81	7.00	8.00
W2	5.16	5.02	NA	NA	5.50	5.66	7.00	8.00
W3	6.18	5.66	5.36	5.05	6.94	7.29	8.00	8.00
W4	5.94	4.95	5.71	5.54	7.50	8.03	7.85	11.57
W5	5.14	5.00	5.79	5.79	5.44	7.43	6.00	6.43
W6	5.92	4.26	6.04	4.49	6.82	7.10	8.00	9.59
W7	6.08	5.78	6.08	5.60	5.71	6.26	7.85	10.00

Notes: The Proposed Action/Limit levels of DO are adopted to be used 5%-ile/1%-ile of baseline data; and
The Proposed Action/Limit Levels of Turbidity and SS are adopted to be used 95%-ile/99%-ile of baseline data.

RESULTS OF NOISE MONITORING

4.06 The baseline noise monitoring was undertaken between 18 January 2014 and 31 January 2014. The measurement data are shown in ***Appendix F*** and summarized in ***Table 4-4***.

Table 4-4 Summaries of Noise Monitoring Results

Time Period	Parameter	Mean (*)	Max (*)	Min (*)
Normal Daytime 0700-1900	L_{eq5min}	58	76	47
	$L_{Aeq30min}$	59	71	52
Restricted Hours 1900-2300	L_{eq5min}	55	69	42
	$L_{Aeq15min}$	56	66	48

Time Period	Parameter	Mean (*)	Max (*)	Min (*)
Restricted Hours 2300-0700 of next day	L_{eq5min}	53	62	45
	$L_{Aeq15min}$	54	62	47
Restricted Hours 0700-1900 holiday	L_{eq5min}	59	62	57
	$L_{Aeq15min}$	60	62	58

Note *Figures refer to the measurement recorded at the designated station during the entire baseline period for general reference.*

(*) A façade correction of +3dB(A) has been added according to acoustical principles and EPD guidelines.

Action/Limit Levels for Noise

4.07 The Action and Limit Levels for construction noise are illustrated in ***Table 4-5***.

Table 4-5 Action and Limit Levels of Construction Noise Monitoring

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hours on normal weekdays	When one documented complaint is received	> 75dB(A)

Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed.

4.08 The meteorological data during the baseline monitoring period are summarized in ***Appendix G***

DISCUSSION AND RECOMMENDATIONS

Water Quality

Environmental Performance Criteria of DO, SS, and Turbidity

4.09 The baseline suspended solids (SS) and turbidity levels reflect typical water quality at the monitoring locations during dry seasons (November to April next year). The established environmental performance criteria, i.e. Action & Limit Levels, are therefore applicable to the Event and Action Plan in Hong Kong during dry season immediately prior to the commencement of the construction activities of the Project. Similarly, this applies to dissolved oxygen (DO) which is influenced by the same seasonable changes as SS and turbidity.

4.10 It is important to point out that the baseline SS and turbidity conditions at the monitoring locations may differ significantly during raining, in particular under high tide flow conditions. Therefore, it is recommended to regularly review the water quality baseline conditions, in particular during season changes. The environmental performance criteria may need to be re-established if it is evident that the baseline conditions have changed significantly. An updated baseline data should then be sought for re-establishment of the updated environmental performance criteria for the Event and Action Plan to be smoothly implemented.

5.0 CONCLUSIONS AND RECOMMENTATIONS

CONCLUSIONS

5.01 The baseline monitoring program was carried out during the period between 4 January 2014 and 31 January 2014 at the designated monitoring locations by the ET according to the EM&A Manual. During the baseline monitoring, there were no construction activities undertaken under this Project.

5.02 Since SS and Turbidity data obtained on 23 January 2014 pm at W3 monitoring station is out of the normal range of the ambient figures as compared with the other data obtained during the baseline monitoring period. So SS and turbidity data from that afternoon were taken as outliers to setting the Action and Limit Level for these two parameters.

5.03 Based on recommendation and the baseline monitoring results, the proposed environmental performance criteria for water quality and construction noise are summarized as follows:

Recommended Action & Limit Levels of Water Quality

Monitoring Location	Dissolved Oxygen (mg/L)				Depth Average of Turbidity (NTU)		Depth Average of SS (mg/L)	
	Depth Average of Surface and Mid-depth		Bottom					
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1	5.64	4.54	NA	NA	5.87	8.81	7.00	8.00
W2	5.16	5.02	NA	NA	5.50	5.66	7.00	8.00
W3	6.18	5.66	5.36	5.05	6.94	7.29	8.00	8.00
W4	5.94	4.95	5.71	5.54	7.50	8.03	7.85	11.57
W5	5.14	5.00	5.79	5.79	5.44	7.43	6.00	6.43
W6	5.92	4.26	6.04	4.49	6.82	7.10	8.00	9.59
W7	6.08	5.78	6.08	5.60	5.71	6.26	7.85	10.00

Notes:
1) The Proposed Action/Limit levels of DO are adopted to be used 5%-ile/1%-ile of baseline data; and
2) The Proposed Action/Limit Levels of Turbidity and SS are adopted to be used 95%-ile/99%-ile of baseline data.

Recommended Action & Limit Levels of Construction Noise

Monitoring Location	Action Level	Limit Level
	0700-1900 hours on normal weekdays	
N1	When one or more documented complaints are received	75 dB(A) of Leq(30min) during normal hours from 0700 to 1900 hours on normal weekdays

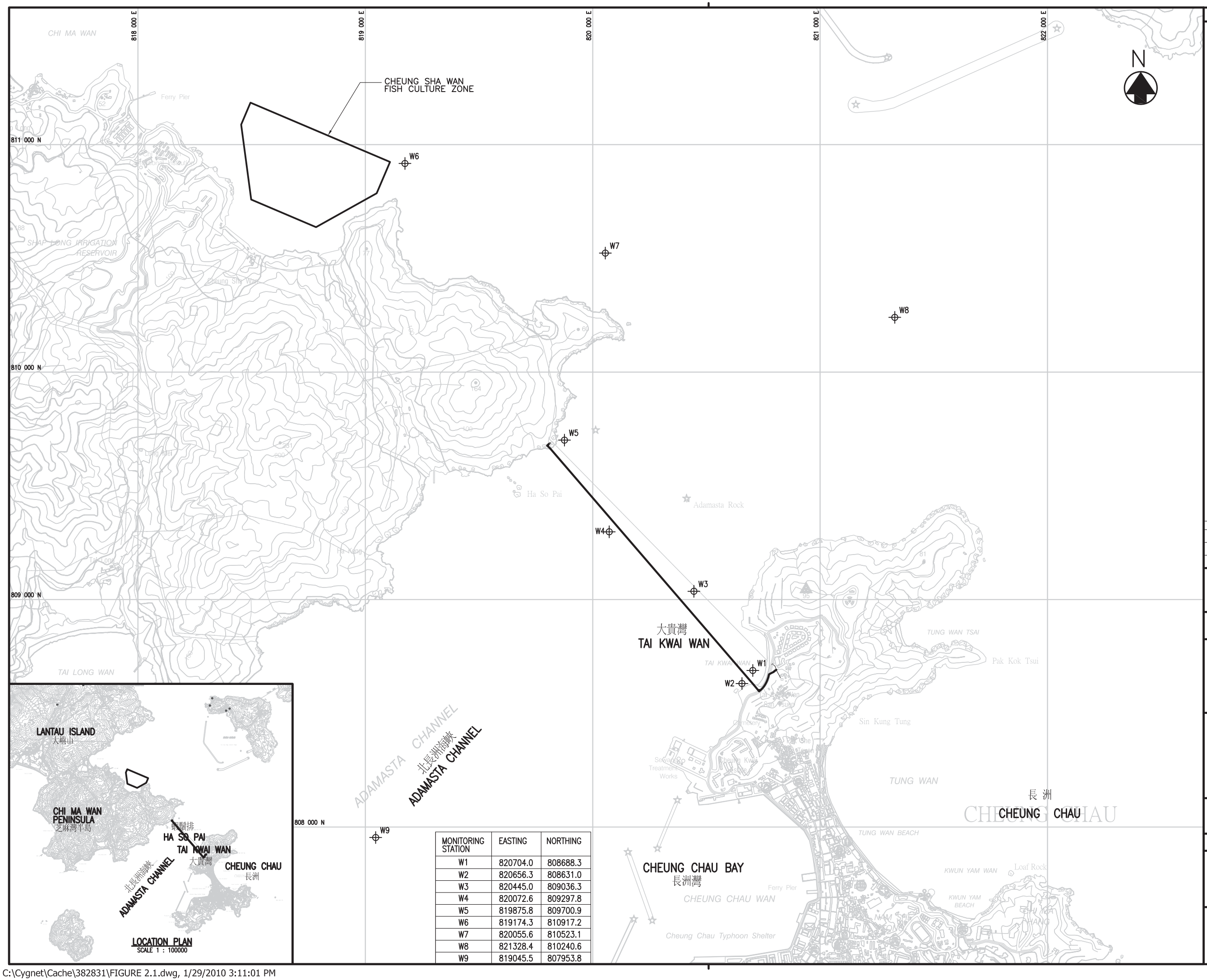
Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed.

RECOMMENDATIONS

5.04 The baseline monitoring of noise and water quality was conducted during typical dry seasonal (November to April next year) in Hong Kong. It is important to note that influence of seasonal changes should be taken into account when interpreting monitoring data obtained during wet season. Review of the baseline conditions may need to be conducted regularly, in particular during seasonal changes. If the changes in baseline conditions are evident, the environmental performance criteria should be re-established by agreement of the ER and IEC and submitted for EPD endorsement.

Appendix A

Project Site Layout Plan



MONITORING STATION	EASTING	NORTHING
W1	820704.0	808688.3
W2	820656.3	808631.0
W3	820445.0	809036.3
W4	820072.6	809297.8
W5	819875.8	809700.9
W6	819174.3	810917.2
W7	820055.6	810523.1
W8	821328.4	810240.6
W9	819045.5	807953.8

NOTE:

1. THE FINAL LOCATIONS OF THE MONITORING STATIONS SHALL BE PROPOSED BY THE ENVIRONMENTAL TEAM (ET) LEADER AND VERIFIED BY THE INDEPENDENT ENVIRONMENTAL CHECKER (IEC) BEFORE SUBMITTING TO EPD FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY MONITORING.

LEGEND:

PROPOSED SUBMARINE FRESH WATER MAIN

W1 WATER QUALITY MONITORING STATION

Revision	Date	Description		Initial
	Designed	Checked	Drawn	Checked
Initial	TL	FD	SZ	WLS
Date	10/09	10/09	10/09	10/09

Approved

Agreement No.
CE 1/2008 (WS)

Agreement Title
IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU – INVESTIGATION

Drawing Title
LOCATIONS OF PROPOSED WATER QUALITY MONITORING STATIONS

Drawing No.
FIGURE 2.1

Revision

Scale
A3 1:15000

水務署 Water Supplies Department

BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司

C:\Cygnet\Cache\382831\FIGURE 2.1.dwg, 1/29/2010 3:11:01 PM

Appendix B

Monitoring Locations Designated in the EM&A Manual

820 400 E
820 600 E
820 800 E
821 000 E
808 800 N
808 600 N
808 400 N

北長洲海峽
ADAMASTA CHANNEL
北長洲海峽
ADAMASTA CHANNEL

大貴灣
TAI KWAI WAN
大貴灣
TAI KWAI WAN

桂濤花園
SCENIC GARDEN

NSR4
NSR3
NSR2
N1
NSR1

長洲抽水站
CHEUNG CHAU
PUMPING STATION

PROPOSED 4m
HIGH TEMPORARY
NOISE BARRIER

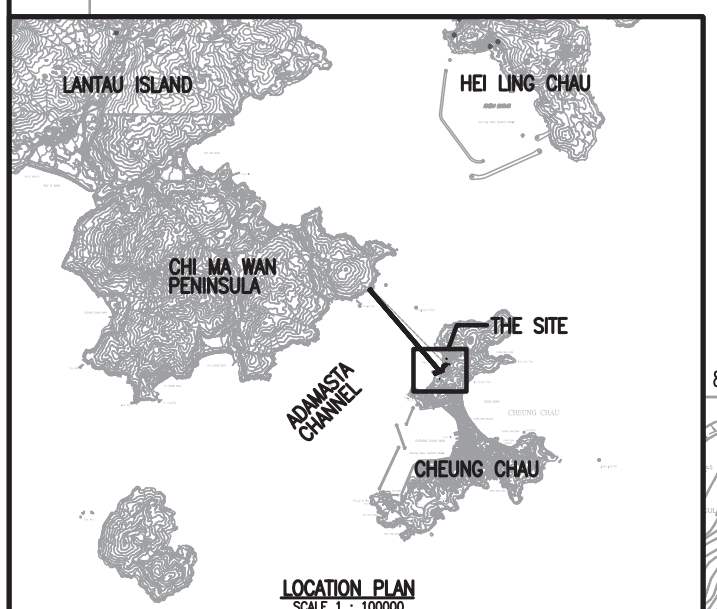
大貴灣新村
TAI KWAI WAN
SAN TSUEN

長貴路 CHEUNG KWAI ROAD

小貴灣
SIU KWAI WAN

長貴邨
CHEUNG KWAI ESTATE

N



LOCATION PLAN
SCALE 1 : 100000

LEGEND :

- PROPOSED SUBMARINE FRESH WATER MAIN
- PROPOSED LAND-BASED FRESH WATER MAIN
- NSR1 — REPRESENTATIVE NOISE SENSITIVE RECEIVER
- PROPOSED LAUNCHING SITE AND WORKS AREA
- PROPOSED TEMPORARY NOISE BARRIER
- N1 — NOISE MONITORING STATION

Revision	Date	Description		Initial
	Designed	Checked	Drawn	Checked
Initial	TL	FD	SZ	WLS
Date	10/09	10/09	10/09	10/09

Approved

Agreement No.
CE 1/2008 (WS)

Agreement Title
IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU – INVESTIGATION

Drawing Title
LOCATIONS OF PROPOSED NOISE MONITORING STATION AND NOISE SENSITIVE RECEIVERS

Drawing No.
FIGURE 6.1

Revision

Scale
A3 1:2000

水務署
Water Supplies Department

BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司

819 400 E | 819 600 E | 819 800 E | 820 000 E | 820 200 E | 820 400 E | 820 600 E | 820 800 E | 821 000 E

809 800 N | 809 600 N | 809 400 N | 809 200 N | 809 000 N | 808 800 N | 808 600 N

382902/B/TEN/00005

382902/B/TEN/00004

382902/B/TEN/00003

382902/B/TEN/00002

382902/B/TEN/00001

CUT LINE D–D

CUT LINE C–C

CUT LINE B–B

CUT LINE A–A

CHI MA WAN PENINSULA

HA SO PAI

ADAMASTA CHANNEL

TAI KWAI WAN

CHEUNG CHAU

N

MAP NOS.

14NW8D, 14NW9C, 14NW13B, 14NW14A, 14NW14B, 14NW14D, 14NW15A & 14NW15C

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING REFERENCE NOS. 382902/B/TEN/00001 TO 00005.
2. REFER TO DRAWING REFERENCE NO. 382902/B/TEN/00001 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.

LANTAU ISLAND | HEI LING CHAU | N | THE SITE | CHI MA WAN PENINSULA | ADAMASTA CHANNEL | CHEUNG CHAU

LOCATION PLAN
SCALE A1 1 : 50000
A3 1 : 100000

編號 No.	日期 Date	摘要 Description of revision	設計 Des'd	核對 Chkd	復核 Rd/Vd	核准 Appd
A	04/13	ISSUE FOR TENDER	HL	TL	KIL	WLS

REVISIONS 修訂

	姓名 Name	簽署 Initial	日期 Date
設計 Designed	HL		04/13
繪製 Drawn	SZ		04/13
核對 Checked	TL		04/13
復核 Verified	KIL		04/13
核准 Approved			

合約編號 Contract No. 1/WSD/13

合約編號 Agreement No. CE 52/2009 (WS)

合約名稱 Contract title

IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU

圖則名稱 Drawing title

PORTION OF WORKS– CHEUNG CHAU, ADAMASTA CHANNEL, LANTAU ISLAND (KEY PLAN)

圖則參考編號 Drawing Reference No. 382902/B/TEN/00001K | 修訂 Revision A

合約圖則編號 Contract Drawing No. | 修訂 Revision

比例 Scale A1 1:2500 A3 1:5000

水務署 Water Supplies Department

BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司

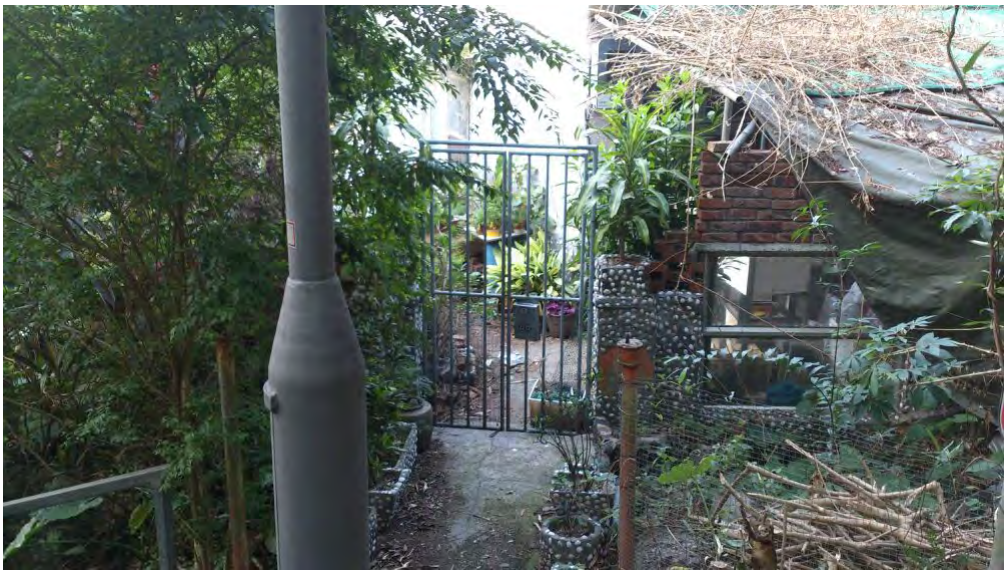


Photo 1: View from the light pole (proposed N1a) to the NSR-N1.

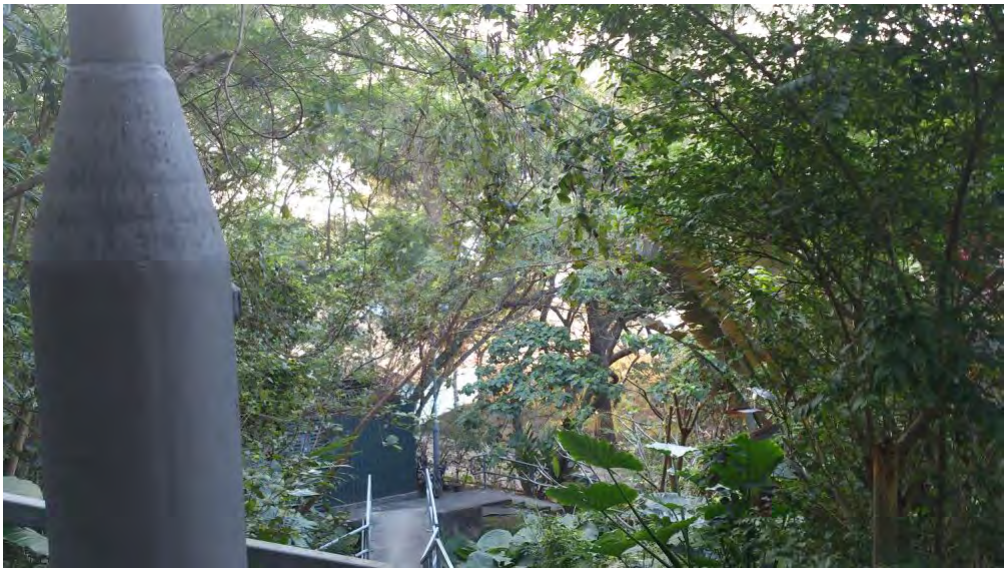


Photo 2: View from the light pole (proposed N1a) to the construction site

Appendix C

Baseline Monitoring Schedule

Baseline Marine Water Quality Monitoring Schedule

Scheduled Monitoring Day			Tides of Cheung Chau		Proposal Sampling Time	
			Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood
The First Week	4-Jan-14	Sat	14:51	9:10*	13:21 – 16:21	08:00 – 11:00
	7-Jan-14	Tue	17:32	11:23	16:02 – 19:02	09:53 – 12:53
	9-Jan-14	Thu	20:08*	12:57	16:30 – 19:30	11:27 – 14:27
The Second Week	11-Jan-14	Sat	4:04*	14:28	08:00 – 11:00	12:58 – 15:58
	14-Jan-14	Tue	11:37	16:42	09:30 – 12:30	15:12 – 18:12
	16-Jan-14	Thu	12:47	17:58*	11:07 – 14:07	16:30 – 19:30
The Third Week	18-Jan-14	Sat	13:35	8:06*	12:05 – 15:05	08:00 – 11:00
	21-Jan-14	Tue	15:22	9:34	13:52 – 16:52	08:04 – 11:04
	23-Jan-14	Thu	17:11	10:56	15:41 – 18:41	09:26 – 12:26
The Forth Week	25-Jan-14	Sat	19:43*	12:28	16:30 – 19:30	10:58 – 13:58
	27-Jan-14	Mon	07:47*	13:19	08:00 – 11:00	11:49 – 14:49
	29-Jan-14	Wed	11:27	16:32	09:57 – 12:57	15:02 – 18:02

Remarks:
* For safety reason, the sampling time changed at 08:00 or 16:30

Baseline Continuous Noise Monitoring Schedule

The sound level meter installed on 17 January 2014. Continuous noise monitoring at the designated location N1 commenced on 18 January 2014 at 00:00 and completed at 00:00 1 February 2014.

Appendix D

Valid Calibration Certificate of Monitoring Equipment and Laboratory Certificate

ALS Technichem (HK) Pty Ltd

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	MR BEN TAM	**WORK ORDER:**	HK1327382
CLIENT:	ACTION UNITED ENVIRO SERVICES	**LABORATORY:**	HONG KONG
ADDRESS:	RM A 20/F., GOLDEN KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T., HONG KONG	**DATE RECEIVED:**	07/10/2013
		DATE OF ISSUE:	15/10/2013
PROJECT:	--		

COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.
Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal aceptance criteria of ALS will be followed.

Scope of Test:	Dissolved Oxygen, pH, Salinity, Temperature and Turbidity
Equipment Type:	Sonde
Brand Name:	YSI
Model No.:	YSI 6820 / 650MDS
Serial No.:	02J0912/02K0788 AA
Equipment No.:	--
Date of Calibration:	15 October, 2013

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd

11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung
HONG KONG

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsglobal.com

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1327382
Date of Issue: 15/10/2013
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Sonde
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 October, 2013 Date of next Calibration: 15 January, 2014

Parameters:

Dissolved Oxygen

Method Ref: APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
7.95	7.82	-0.13
5.22	5.29	0.07
1.85	2.00	0.15
	Tolerance Limit (±mg/L)	0.20

pH Value

Method Ref: APHA 21st Ed. 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	3.97	-0.03
7.0	6.94	-0.06
10.0	9.80	-0.20
	Tolerance Limit (±pH unit)	0.20

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.02	--
10	9.83	-1.7
20	19.82	-0.9
30	29.89	-0.4
	Tolerance Limit (±ppt)	10.0

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.5	12.11	0.6
25.0	23.75	-1.3
39.0	37.90	-1.1
	Tolerance Limit (±°C)	2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1327382
Date of Issue: 15/10/2013
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Sonde
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 October, 2013 Date of next Calibration: 15 January, 2014

Parameters:

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.9	-2.5
40	43.8	9.5
80	82.1	2.6
400	394.2	-1.5
800	756.0	-5.5
	Tolerance Limit (±%)	10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

ALS Technichem (HK) Pty Ltd
11/F, Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung, N.T., Hong Kong
T: +852 2610 1044
F: +852 2610 2021
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	MR BEN TAM	**WORK ORDER:**	HK1401659
CLIENT:	ACTION UNITED ENVIRO SERVICES	**LABORATORY:**	HONG KONG
ADDRESS:	RM A 20/F., GOLDEN KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T., HONG KONG	**DATE RECEIVED:**	15/01/2014
		DATE OF ISSUE:	18/01/2014
PROJECT:	--		

COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.
Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal aceptance criteria of ALS will be followed.

Scope of Test:	Dissolved Oxygen, pH, Salinity, Temperature & Turbidity
Equipment Type:	Multimeter
Brand Name:	YSI
Model No.:	YSI 6820 / 650MDS
Serial No.:	02J0912/02K0788 AA
Equipment No.:	--
Date of Calibration:	15 January, 2014

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1401659
Date of Issue: 18/01/2014
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Multimeter
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 January, 2014 Date of next Calibration: 15 April, 2014

Parameters:

Dissolved Oxygen **Method Ref: APHA (21st edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.15	3.27	0.12
5.75	5.86	0.11
9.13	9.09	-0.04
	Tolerance Limit (±mg/L)	0.20

pH Value **Method Ref: APHA 21st Ed. 4500H:B**

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.03	0.03
7.0	7.05	0.05
10.0	9.87	-0.13
	Tolerance Limit (±pH unit)	0.20

Salinity **Method Ref: APHA (21st edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0	--
10	9.99	-0.1
20	18.20	-9.0
30	27.34	-8.9
	Tolerance Limit (±%)	10.0

Temperature **Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.**

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
8.0	8.38	0.4
20.0	20.32	0.3
37.0	36.80	-0.2
	Tolerance Limit (±°C)	2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1401659
Date of Issue: 18/01/2014
Client: ACTION UNITED ENVIRO SERVICES

Equipment Type: Multimeter
Brand Name: YSI
Model No.: YSI 6820 / 650MDS
Serial No.: 02J0912/02K0788 AA
Equipment No.: --
Date of Calibration: 15 January, 2014 Date of next Calibration: 15 April, 2014

Parameters:

Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.6	--
4	4.2	5.0
40	42.4	6.0
80	72.5	-9.4
400	369	-7.8
800	737	-7.9
	Tolerance Limit (±%)	10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr. Fung Lim Chee, Richard
General Manager -
Greater China & Hong Kong

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C132567
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-0878)

Description / 儀器名稱	:	Integrating Sound Level Meter (EQ010)
Manufacturer / 製造商	:	Brüel & Kjær
Model No. / 型號	:	2238
Serial No. / 編號	:	2285721
Supplied By / 委託者	:	Action-United Environmental Services and Consulting Unit A, 20/F., Gold King Industrial Building, 35-41 Tai Lin Pai Road, Kwai Chung, N.T.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C
Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 27 April 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies, USA
- Fluke Everett Service Center, USA
- Rohde & Schwarz Laboratory, Germany

Tested By 測試 : H C Chan

Certified By 核證 : K C Lee

Date of Issue 簽發日期 : 30 April 2013

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
新創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C132567
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.4.

3. The results presented are the mean of 3 measurements at each calibration point.

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C130019
CL281	Multifunction Acoustic Calibrator	DC110233

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L_{AFP}	A	F	94.00	1	94.7

6.1.1.2 After Self-calibration

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 130	L_{AFP}	A	F	94.00	1	94.1	± 0.7

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 130	L_{AFP}	A	F	94.00	1	94.1 (Ref.)
				104.00		104.1
				114.00		114.0

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

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6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 130	L_{AFP}	A	F	94.00	1	94.1	Ref.
	L_{ASP}		S			94.1	± 0.1
	L_{AIP}		I			94.1	± 0.1

6.2.2 Tone Burst Signal (2 kHz)

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
30 - 110	L_{AFP}	A	F	106.0	Continuous	106.0	Ref.
	L_{AFMax}				200 ms	105.0	-1.0 ± 1.0
	L_{ASP}		S		Continuous	106.0	Ref.
	L_{ASMax}				500 ms	102.0	-4.1 ± 1.0

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{AFP}	A	F	94.00	31.5 Hz	54.7	-39.4 ± 1.5
					63 Hz	67.9	-26.2 ± 1.5
					125 Hz	77.9	-16.1 ± 1.0
					250 Hz	85.4	-8.6 ± 1.0
					500 Hz	90.8	-3.2 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	95.3	+1.2 ± 1.0
					4 kHz	95.1	+1.0 ± 1.0
					8 kHz	92.9	-1.1 (+1.5 ; -3.0)
					12.5 kHz	89.8	-4.3 (+3.0 ; -6.0)

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6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 130	L_{CFP}	C	F	94.00	31.5 Hz	91.2	-3.0 ± 1.5
					63 Hz	93.3	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.0
					250 Hz	94.1	0.0 ± 1.0
					500 Hz	94.1	0.0 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.0
					4 kHz	93.3	-0.8 ± 1.0
					8 kHz	91.0	-3.0 (+1.5 ; -3.0)
					12.5 kHz	87.9	-6.2 (+3.0 ; -6.0)

6.4 Time Averaging

UUT Setting				Applied Value					UUT Reading (dB)	IEC 60804 Type 1 Spec. (dB)
Range (dB)	Parameter	Frequency Weighting	Integrating Time	Frequency (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)		
30 - 110	L_{Aeq}	A	10 sec.	4	1	1/10	110.0	100	99.9	± 0.5
						$1/10^2$		90	90.0	± 0.5
			60 sec.			$1/10^3$		80	79.9	± 1.0
			5 min.			$1/10^4$		70	69.7	± 1.0

Remarks : - Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :

94 dB	: 31.5 Hz - 125 Hz	: ± 0.35 dB
	250 Hz - 500 Hz	: ± 0.30 dB
	1 kHz	: ± 0.20 dB
	2 kHz - 4 kHz	: ± 0.35 dB
	8 kHz	: ± 0.45 dB
	12.5 kHz	: ± 0.70 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
114 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
Burst equivalent level		: ± 0.2 dB (Ref. 110 dB continuous sound level)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 - 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C132565
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-0878)

Description / 儀器名稱 : Acoustical Calibrator (EQ082)
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 4231
Serial No. / 編號 : 2713428
Supplied By / 委託者 : Action-United Environmental Services and Consulting
Unit A, 20/F., Gold King Industrial Building,
35-41 Tai Lin Pai Road, Kwai Chung, N.T.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C
Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 27 April 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies, USA
- Fluke Everett Service Center, USA
- Rohde & Schwarz Laboratory, Germany

Tested By 測試 : H C Chan

Certified By 核證 : K C Lee

Date of Issue 簽發日期 : 30 April 2013

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel 電話: 2927 2606 Fax 傳真: 2744 8986 E-mail 電郵: callab@suncreation.com Website 網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C132565
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 3 measurements at each calibration point.

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C123541
CL281	Multifunction Acoustic Calibrator	DC110233
TST150A	Measuring Amplifier	C120886

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.0	± 0.2	± 0.2
114 dB, 1 kHz	114.0		

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000 0	1 kHz ± 0.1 %	± 0.1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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輝創工程有限公司 – 校正及檢測實驗所
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Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation
認可證書

This is to certify that
特此證明

ALS TECHNICHEM (HK) PTY LIMITED

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong
香港新界葵涌永業街1-3號忠信針織中心11樓

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a
為香港認可處執行機關根據認可諮詢委員會建議而接受的

HOKLAS Accredited Laboratory
「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO / IEC 17025 : 2005 – General requirements for the competence of testing and calibration laboratories and it has been accredited for performing specific tests or calibrations as listed in the HOKLAS Directory of Accredited Laboratories within the test category of
此實驗所符合ISO / IEC 17025 : 2005 –《測試及校正實驗所能力的通用規定》所訂的要求，獲認可進行載於香港實驗所認可計劃《認可實驗所名冊》內下述測試類別中的指定測試或校正工作

Environmental Testing
環境測試

This laboratory is accredited in accordance with the recognised International Standard ISO / IEC 17025 : 2005.
本實驗所乃根據公認的國際標準 ISO / IEC 17025 : 2005 獲得認可。
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (see joint IAF-ILAC-ISO Communiqué).
這項認可資格演示在指定範疇所需的技術能力及實驗所質量管理體系的運作（見國際認可論壇、國際實驗所認可合作組織及國際標準化組織的聯合公報）。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive
香港認可處根據認可處執行機關的權限在此蓋上通用印章

CHAN Sing Sing, Terence, Executive Administrator
執行幹事 陳成城
Issue Date : 5 May 2009
簽發日期：二零零九年五月五日

Registration Number : HOKLAS 066
註冊號碼：

Date of First Registration : 15 September 1995
首次註冊日期：一九九五年九月十五日

This certificate is issued subject to the terms and conditions laid down by HKAS
本證書按照香港認可處訂立的條款及條件發出

L 000552

Appendix E

In-situ Measurements and Laboratory Analysis Data of Water Quality

Field Data Sheet

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring

Sampling Date: 4-Jan-14

Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturation	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
10:16	W1	MF	820 704	808 688	2.9	1.45	16.94	8.80	112.6	5.1	35.45	8.28	7
							16.95	8.86	113.4	5.2	35.49	8.28	7
10:25	W2	MF	820 656	808 631	2.8	1.40	16.96	8.67	111.0	5.1	35.58	8.27	5
							16.96	8.78	112.6	4.7	35.60	8.27	5
9:58	W3	MF	820 445	809 036	7.2	1.00	17.01	8.56	109.8	4.1	35.54	8.27	4
							17.01	8.62	110.6	4.1	35.55	8.27	4
						3.60	17.00	8.73	112.1	4.1	35.63	8.27	4
							17.01	8.74	112.1	4.6	35.63	8.27	6
						6.20	17.00	8.75	112.3	4.7	35.67	8.27	5
							17.00	8.73	112.1	4.5	35.67	8.27	6
9:43	W4	MF	820 072	809 297	8.4	1.00	17.12	8.14	104.4	4.4	35.31	8.23	5
							17.12	8.15	104.7	5.0	35.33	8.23	6
						4.20	17.11	8.27	106.2	4.4	35.48	8.23	4
							17.11	8.26	106.1	4.5	35.48	8.23	5
						7.40	17.11	8.24	105.8	6.1	35.52	8.23	4
							17.11	8.23	105.8	5.8	35.52	8.23	6
9:27	W5	MF	819 875	809 700	5.2	1.00	17.01	8.39	107.5	3.1	35.42	8.24	3
							17.01	8.45	108.3	3.0	35.45	8.25	3
						4.20	16.87	8.55	109.5	3.6	35.60	8.25	4
							16.88	8.56	109.5	3.6	35.60	8.25	4
8:16	W6	MF	819 174	810 917	5.8	1.00	16.94	8.55	108.4	1.2	33.76	7.86	4
							16.93	9.05	115.3	1.8	34.67	8.07	2
						4.80	16.93	9.16	117.0	2.0	35.05	8.12	4
							16.93	9.16	116.9	2.1	35.09	8.12	3
8:45	W7	MF	820 055	810 523	7.5	1.00	17.08	8.06	103.4	5.1	35.32	8.18	6
							17.08	8.06	103.4	5.5	35.32	8.18	7
						3.75	17.08	8.07	103.6	5.8	35.39	8.18	6
							17.09	8.07	103.6	5.6	35.34	8.17	7
						6.50	17.09	8.07	103.6	6.6	35.43	8.18	8
							17.09	8.07	103.6	6.3	35.43	8.18	7
9:11	W8	MF	821 328	810 240	9.4	1.00	17.14	7.92	101.6	3.6	35.12	8.19	4
							17.14	7.88	101.1	3.5	35.18	8.19	5
						4.70	17.15	7.89	101.3	6.0	35.35	8.19	4
							17.15	7.89	101.3	5.6	35.36	8.19	5
						8.40	17.15	7.89	101.4	5.7	35.41	8.20	5
							17.15	7.89	101.4	6.2	35.42	8.20	4
10:48	W9	MF	819 045	807 953	9.1	1.00	17.09	8.51	109.0	4.5	35.09	8.28	6
							17.10	8.59	110.0	4.2	35.10	8.28	6
						4.55	17.09	8.75	112.2	4.9	35.34	8.26	4
							17.09	8.73	112.0	4.4	35.36	8.26	5
						8.10	17.08	8.71	111.7	4.2	35.47	8.25	5
							17.08	8.70	111.6	4.3	35.48	8.25	6
13:48	W1	ME	820 704	808 688	2.9	1.45	17.26	4.51	58.2	3.3	35.65	7.83	2
							17.26	4.58	59.1	3.0	35.66	7.83	3
13:41	W2	ME	820 656	808 631	2.9	1.45	17.28	4.97	64.2	2.2	35.59	7.87	4
							17.28	5.12	66.0	2.2	35.60	7.86	3
13:58	W3	ME	820 445	809 036	7.3	1.00	17.25	6.31	81.1	2.0	35.71	8.00	4
							17.28	6.46	83.4	2.3	35.73	8.01	3
						3.65	17.25	7.09	91.5	2.4	35.80	8.01	3
							17.25	7.14	92.1	2.6	35.77	8.00	3
						6.30	17.11	6.86	88.4	4.8	35.89	8.01	3
							17.12	6.71	86.3	3.9	35.85	8.00	4
14:11	W4	ME	820 072	809 297	8.2	1.00	17.19	4.91	63.2	2.8	35.55	8.05	5
							17.21	4.95	63.7	2.6	35.58	8.07	4
						4.10	17.19	6.47	83.3	2.8	35.69	8.07	3
							17.20	6.80	87.7	2.9	35.70	8.07	4
						7.20	17.04	6.49	83.5	3.8	35.82	8.07	3
							17.03	6.42	82.5	4.3	35.83	8.07	3
14:19	W5	ME	819 875	809 700	5.1	1.00	17.37	5.13	66.4	2.3	35.52	8.10	3
							17.40	5.17	66.8	3.0	35.51	8.12	3
						4.10	17.10	6.31	81.1	3.8	35.69	8.11	6
							17.09	6.34	81.5	3.8	35.68	8.10	5
14:52	W6	ME	819 174	810 917	6.9	1.00	17.36	6.78	87.6	2.2	35.58	8.23	2
							17.36	6.65	85.9	2.3	35.59	8.23	3
						3.45	17.17	7.64	98.3	2.5	35.68	8.24	3
							17.15	7.75	99.7	2.5	35.74	8.25	3
						5.90	17.13	7.50	96.6	4.0	35.80	8.23	3
							17.13	7.56	97.4	4.4	35.81	8.23	3
14:41	W7	ME	820 055	810 523	7.8	1.00	17.44	6.60	85.2	2.0	35.40	8.13	4
							17.44	6.54	84.5	2.2	35.41	8.13	2
						3.90	17.37	6.45	83.3	2.6	35.60	8.15	4
							17.36	6.38	82.3	2.4	35.61	8.16	3
						6.80	17.22	6.70	86.3	3.4	35.71	8.17	3
							17.21	6.86	88.4	3.4	35.71	8.16	3
14:30	W8	ME	821 328	810 240	9.3	1.00	17.31	4.18	53.9	2.6	35.54	8.09	3
							17.35	4.18	53.9	2.5	35.50	8.09	2
						4.65	17.37	6.59	85.1	2.6	35.59	8.10	2
							17.35	6.59	85.1	2.8	35.59	8.10	3
						8.30	17.20	6.84	88.1	2.6	35.77	8.13	2
							17.19	6.60	85.1	2.9	35.81	8.15	4
13:25	W9	ME	819 045	807 953	8.8	1.00	17.17	4.29	55.1	2.2	35.79	7.52	3
							17.18	4.37	56.3	2.2	35.80	7.49	3
						4.40	17.10	4.61	59.3	2.6	35.84	7.37	4
							17.11	4.68	60.2	2.5	35.84	7.35	5
						7.80	17.10	5.61	72.2	2.9	35.89	7.32	5
							17.11	5.45	70.2	2.6	35.90	7.31	5

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring

Sampling Date: **7-Jan-14**

Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturation	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
11:45	W1	MF	820 704	808 688	2.7	1.35	17.19	7.13	91.5	3.5	34.97	8.13	6
							17.23	7.16	91.9	3.7	34.98	8.13	6
11:57	W2	MF	820 656	808 631	2.5	1.25	17.32	7.05	90.6	4.1	34.98	8.11	6
							17.31	7.09	91.2	4.1	34.97	8.11	6
11:35	W3	MF	820 445	809 036	7.6	1.00	17.20	7.13	91.5	3.9	34.96	8.14	7
							17.19	7.19	92.2	3.9	34.96	8.14	8
						3.80	17.05	7.19	92.0	4.9	34.98	8.13	8
							17.05	7.22	92.3	5.1	34.99	8.13	8
						6.60	17.05	7.22	92.3	5.4	34.99	8.13	9
							17.06	7.22	92.3	4.9	34.99	8.14	8
11:20	W4	MF	820 072	809 297	8.4	1.00	17.07	6.59	84.3	4.0	34.94	8.11	10
							17.08	6.82	87.2	4.5	34.92	8.12	9
						4.20	17.07	7.01	89.7	6.0	34.93	8.10	11
							17.06	7.03	89.9	6.9	34.93	8.10	10
						7.40	17.07	7.06	90.3	6.8	34.94	8.09	13
							17.06	7.06	90.3	6.9	34.95	8.09	12
11:05	W5	MF	819 875	809 700	4.2	1.00	17.35	7.04	90.5	4.0	34.80	8.13	6
							17.37	7.11	91.4	4.0	34.81	8.13	6
						3.20	17.23	7.09	90.9	3.4	34.83	8.11	5
							17.23	7.06	90.5	4.3	34.84	8.10	6
10:25	W6	MF	819 174	810 917	6.8	1.00	17.03	7.13	90.7	2.1	34.15	8.01	2
							17.03	7.16	91.1	2.1	34.22	8.06	3
						3.40	17.11	7.16	91.3	2.1	34.37	8.08	3
							17.14	7.14	91.2	1.9	34.38	8.08	4
						5.80	17.06	7.14	91.0	4.2	34.40	8.08	4
							17.05	7.09	90.4	3.4	34.40	8.07	4
10:37	W7	MF	820 055	810 523	7.8	1.00	17.10	7.14	91.1	2.4	34.55	8.09	6
							17.09	7.17	91.6	2.4	34.56	8.09	7
						3.90	16.99	7.20	91.8	2.5	34.60	8.09	5
							17.02	7.21	91.9	2.4	34.59	8.09	7
						6.80	16.99	7.21	91.9	4.2	34.66	8.10	7
							16.99	7.21	91.9	4.4	34.67	8.10	8
10:52	W8	MF	821 328	810 240	9.5	1.00	17.12	6.66	85.1	3.1	34.58	8.11	6
							17.15	6.72	85.9	2.6	34.59	8.11	5
						4.75	17.04	6.84	87.3	3.4	34.70	8.11	6
							17.04	6.84	87.3	3.7	34.71	8.11	7
						8.50	17.00	6.96	88.9	8.9	34.86	8.12	10
							17.00	6.98	89.2	9.7	34.87	8.12	10
12:06	W9	MF	819 045	807 953	10.0	1.00	17.19	7.09	91.0	5.6	34.99	8.14	18
							17.19	7.15	91.8	5.2	34.99	8.14	18
						5.00	17.04	7.15	91.5	9.3	35.12	8.14	17
							17.04	7.14	91.4	8.4	35.11	8.14	17
						9.00	16.96	7.03	90.0	8.7	35.29	8.13	26
							16.96	7.04	90.0	9.4	35.29	8.14	26
16:25	W1	ME	820 704	808 688	2.8	1.40	17.22	6.83	87.8	2.7	35.37	8.10	4
							17.21	6.82	87.7	2.7	35.38	8.09	4
16:20	W2	ME	820 656	808 631	2.7	1.35	17.30	7.04	90.6	2.7	35.34	8.10	8
							17.30	7.12	91.8	2.9	35.36	8.10	6
16:30	W3	ME	820 445	809 036	7.9	1.00	17.22	6.52	83.9	3.2	35.37	8.10	8
							17.22	6.46	83.1	3.3	35.37	8.10	8
						3.95	17.20	6.34	81.5	5.0	35.40	8.10	6
							17.20	6.36	81.8	4.1	35.39	8.10	7
						6.90	17.16	6.25	80.3	5.1	35.43	8.09	7
							17.16	6.22	80.0	5.8	35.43	8.10	7
16:40	W4	ME	820 072	809 297	8.6	1.00	17.17	6.08	78.0	3.2	35.30	8.11	4
							17.18	6.01	77.2	3.3	35.30	8.11	6
						4.30	17.17	5.97	76.7	3.4	35.33	8.11	5
							17.17	5.97	76.7	3.3	35.33	8.11	5
						7.60	17.16	5.92	76.0	6.3	35.36	8.11	7
							17.16	5.96	76.5	6.4	35.36	8.11	8
16:47	W5	ME	819 875	809 700	4.2	1.00	17.41	5.98	77.1	3.5	35.31	8.11	6
							17.38	5.92	76.3	3.5	35.30	8.12	6
						3.20	17.31	5.80	74.7	3.4	35.33	8.11	5
							17.31	5.79	74.6	3.4	35.33	8.11	5
17:20	W6	ME	819 174	810 917	6.5	1.00	17.41	5.97	77.0	1.9	35.28	8.16	4
							17.46	5.97	77.1	2.1	35.32	8.16	4
						3.25	17.33	6.06	78.1	2.3	35.32	8.16	5
							17.36	6.07	78.3	2.1	35.31	8.17	3
						5.50	17.17	6.06	77.8	4.0	35.33	8.16	5
							17.17	6.05	77.7	4.4	35.33	8.16	4
17:10	W7	ME	820 055	810 523	7.8	1.00	17.19	6.11	78.5	2.2	35.20	8.18	4
							17.19	6.08	78.1	2.2	35.20	8.18	3
						3.90	17.17	6.12	78.6	2.2	35.27	8.17	2
							17.17	6.10	78.4	2.1	35.27	8.17	4
						6.80	17.13	6.09	78.2	3.1	35.30	8.16	4
							17.13	6.08	78.1	3.1	35.30	8.16	5
17:00	W8	ME	821 328	810 240	9.5	1.00	17.18	5.80	74.5	2.6	35.18	8.12	6
							17.17	5.76	73.9	2.5	35.19	8.11	5
						4.75	17.13	5.86	75.3	4.5	35.33	8.13	6
							17.13	5.86	75.3	4.5	35.33	8.13	4
						8.50	17.10	5.87	75.3	7.4	35.38	8.14	7
							17.10	5.87	75.3	7.8	35.38	8.14	6
16:02	W9	ME	819 045	807 953	9.3	1.00	17.23	7.27	93.7	3.2	35.52	8.06	8
							17.22	7.29	93.9	3.5	35.52	8.05	7
						4.65	17.11	7.08	91.1	4.2	35.63	8.02	7
							17.11	7.07	91.0	4.2	35.62	8.02	7
						8.30	17.03	7.08	90.9	5.8	35.67	8.01	7
							17.03	7.08	90.9	5.8	35.67	8.01	8

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	9-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturation	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
12:52	W1	MF	820 704	808 688	2.8	1.40	16.92	7.25	92.3	2.3	34.60	8.16	2
							16.94	6.84	87.2	2.6	34.66	8.16	2
12:57	W2	MF	820 656	808 631	2.8	1.40	16.93	7.54	96.1	3.5	34.71	8.15	3
							16.94	7.04	89.7	3.2	34.71	8.15	2
12:45	W3	MF	820 445	809 036	8.1	1.00	16.95	7.69	98.0	2.9	34.60	8.14	3
							16.95	7.02	89.3	3.0	34.56	8.14	4
						4.05	16.95	7.46	95.0	5.0	34.47	8.14	3
							16.96	7.44	94.7	4.9	34.60	8.14	3
						7.10	16.95	7.52	95.8	5.2	34.52	8.15	3
							16.96	7.64	97.3	4.9	34.59	8.14	3
12:32	W4	MF	820 072	809 297	8.4	1.00	16.94	7.02	89.5	5.0	34.70	8.13	4
							16.95	6.80	86.7	4.8	34.71	8.13	4
						4.20	16.95	7.59	96.7	3.9	34.81	8.13	4
							16.95	7.71	98.3	4.0	34.81	8.13	5
						7.40	16.89	7.69	98.0	4.7	34.80	8.13	5
							16.89	7.66	97.5	4.6	34.81	8.14	4
12:11	W5	MF	819 875	809 700	2.9	1.45	16.94	7.56	96.3	3.1	34.75	8.22	4
							16.95	7.81	99.6	3.0	34.76	8.22	4
11:35	W6	MF	819 174	810 917	6.8	1.00	16.99	7.89	100.2	2.6	33.97	7.99	3
							16.99	7.83	99.5	2.4	34.04	8.01	3
						3.40	16.99	7.63	97.0	2.5	34.08	8.01	3
							16.99	7.57	96.2	2.6	34.09	8.01	2
						5.80	16.96	7.49	95.1	5.4	34.11	8.01	3
							16.96	7.49	95.1	4.5	34.11	8.01	3
11:46	W7	MF	820 055	810 523	8.0	1.00	16.94	7.66	97.3	2.7	34.27	8.04	2
							16.94	7.66	97.3	2.9	34.28	8.04	2
						4.00	16.94	7.69	97.7	2.8	34.30	8.06	2
							16.94	7.69	97.7	2.7	34.31	8.06	2
						7.00	16.93	7.67	97.5	3.7	34.34	8.07	2
							16.93	7.66	97.4	4.0	34.35	8.07	2
12:00	W8	MF	821 328	810 240	9.6	1.00	16.93	7.19	91.5	2.2	34.39	8.08	2
							16.93	7.19	91.5	2.1	34.39	8.08	2
						4.80	16.96	7.18	91.4	2.4	34.45	8.10	2
							16.95	7.31	93.0	2.5	34.47	8.10	3
						8.60	16.95	7.32	93.2	4.3	34.66	8.13	3
							16.95	7.33	93.3	4.5	34.65	8.13	2
13:06	W9	MF	819 045	807 953	9.4	1.00	16.89	7.20	91.7	3.5	34.73	8.14	2
							16.90	7.35	93.7	3.4	34.76	8.15	3
						4.70	16.91	7.07	90.1	3.8	34.79	8.16	3
							16.91	7.33	93.6	3.8	35.11	8.17	3
						8.40	16.91	7.26	92.8	4.6	35.24	8.18	3
							16.91	7.21	92.0	4.6	35.05	8.18	3
16:47	W1	ME	820 704	808 688	2.7	1.35	16.93	7.31	93.4	3.1	35.05	8.20	4
							16.94	7.30	93.2	3.1	35.05	8.20	3
16:42	W2	ME	820 656	808 631	2.9	1.45	16.94	7.24	92.5	2.6	35.03	8.20	3
							16.94	7.17	91.5	2.8	34.96	8.20	3
16:54	W3	ME	820 445	809 036	8.5	1.00	16.90	7.17	91.5	5.3	35.07	8.19	4
							16.91	6.65	84.9	5.1	35.01	8.19	5
						4.25	16.92	6.76	86.4	4.9	35.33	8.19	4
							16.91	6.93	87.8	5.5	33.94	8.19	5
						7.50	16.91	7.41	94.6	8.4	35.11	8.19	5
							16.91	6.93	88.5	7.8	35.19	8.19	3
17:00	W4	ME	820 072	809 297	8.2	1.00	16.93	7.00	89.3	2.7	34.88	8.19	3
							16.94	7.15	91.3	2.7	34.98	8.19	3
						4.10	16.93	7.17	91.6	2.9	35.00	8.19	3
							16.94	7.10	90.6	3.1	34.99	8.19	3
						7.20	16.89	6.61	84.3	5.4	35.14	8.20	3
							16.88	7.05	90.0	5.8	35.18	8.20	2
17:06	W5	ME	819 875	809 700	2.6	1.30	16.88	6.52	83.1	1.8	34.76	8.19	2
							16.90	6.89	87.1	2.2	33.44	8.19	2
17:35	W6	ME	819 174	810 917	8.3	1.00	16.93	7.12	91.0	2.0	35.09	8.19	2
							16.94	7.13	90.9	2.1	34.94	8.19	3
						4.15	16.94	7.04	89.8	2.2	34.91	8.19	3
							16.95	7.06	90.1	2.2	34.98	8.19	2
						7.30	16.95	7.10	90.7	2.2	35.07	8.20	2
							16.95	6.70	85.6	2.3	34.98	8.20	2
17:26	W7	ME	820 055	810 523	7.1	1.00	16.93	7.19	91.7	3.6	34.89	8.20	2
							16.94	6.86	87.5	3.1	34.92	8.20	2
						3.55	16.94	7.18	91.6	2.9	34.86	8.20	2
							16.96	7.09	90.5	2.8	34.97	8.20	2
						6.10	16.96	6.83	87.2	2.7	35.01	8.20	3
							16.95	7.09	90.4	2.8	34.91	8.20	2
17:13	W8	ME	821 328	810 240	9.9	1.00	16.92	6.98	88.9	2.4	34.74	8.16	3
							16.92	7.16	90.8	2.2	33.85	8.16	2
						4.95	16.96	7.11	90.8	1.9	34.88	8.17	2
							16.95	6.80	86.8	1.9	34.89	8.17	2
						8.90	16.96	7.07	90.2	4.1	34.94	8.18	3
							16.97	6.89	88.0	5.3	35.02	8.18	3
16:30	W9	ME	819 045	807 953	9.0	1.00	16.89	7.16	91.4	4.6	35.16	8.26	4
							16.90	7.20	92.0	5.0	35.28	8.25	3
						4.50	16.91	7.34	93.8	6.0	35.19	8.24	4
							16.90	7.04	90.0	5.4	35.24	8.24	5
						8.00	16.91	7.43	95.0	5.6	35.27	8.24	5
							16.91	7.04	89.8	5.8	35.15	8.24	4

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	11-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturation	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
13:20	W1	MF	820 704	808 688	2.8	1.40	16.69	6.24	79.3	3.0	35.00	8.07	7
							16.74	6.32	80.3	2.9	34.95	8.08	8
13:15	W2	MF	820 656	808 631	2.8	1.40	16.94	6.22	79.3	3.1	34.79	8.08	5
							16.95	6.48	82.1	3.2	33.62	8.07	6
13:25	W3	MF	820 445	809 036	8.7	1.00	16.99	5.52	70.5	2.2	34.88	8.06	4
							16.97	6.05	77.2	2.9	34.98	8.06	4
						4.35	16.63	6.06	76.9	3.3	34.87	8.07	3
							16.65	6.11	77.5	3.1	34.95	8.07	5
						7.70	16.62	6.38	81.0	7.6	35.04	8.05	6
							16.62	6.33	80.3	8.2	35.03	8.04	5
13:31	W4	MF	820 072	809 297	8.4	1.00	16.94	6.46	82.5	1.9	34.94	8.05	6
							16.85	6.36	81.1	2.4	35.02	8.04	4
						4.20	16.61	6.26	79.5	3.0	35.03	8.03	6
							16.62	6.27	79.5	2.9	35.02	8.03	6
						7.40	16.58	6.12	77.6	5.4	35.06	8.02	5
							16.58	6.52	82.6	5.1	35.04	8.03	4
13:36	W5	MF	819 875	809 700	2.9	1.45	16.92	5.97	75.6	3.2	33.85	8.05	5
							16.91	6.48	82.7	3.3	35.02	8.05	5
13:56	W6	MF	819 174	810 917	8.1	1.00	16.99	6.29	80.3	2.6	34.92	8.08	4
							17.00	6.01	76.7	2.7	34.91	8.07	4
						4.05	16.59	6.67	84.5	2.7	34.82	8.05	4
							16.57	6.18	77.9	2.6	33.93	8.05	5
						7.10	16.38	6.19	78.1	4.8	35.00	8.03	6
							16.36	6.03	76.2	4.6	35.02	8.03	6
13:50	W7	MF	820 055	810 523	6.6	1.00	16.99	5.84	74.6	2.1	34.92	8.06	6
							16.94	5.53	70.5	2.2	34.94	8.07	4
						3.30	16.71	6.64	84.4	2.4	34.93	8.07	6
							16.69	6.63	84.1	2.4	34.94	8.07	5
						5.60	16.61	6.76	85.7	2.8	34.96	8.07	6
							16.59	6.55	83.0	2.9	34.97	8.06	6
13:42	W8	MF	821 328	810 240	9.7	1.00	16.94	6.11	77.9	2.4	34.82	8.07	4
							16.84	6.35	80.9	2.1	34.86	8.07	6
						4.85	16.65	6.60	83.8	2.9	35.01	8.05	4
							16.66	6.39	81.2	3.2	35.00	8.05	5
						8.70	16.61	6.40	81.2	5.6	35.00	8.05	4
							16.61	6.40	81.2	6.2	34.92	8.05	6
13:05	W9	MF	819 045	807 953	9.4	1.00	17.01	6.98	89.2	3.5	35.02	8.15	5
							17.10	7.34	94.0	3.6	34.94	8.14	6
						4.70	16.72	7.21	91.3	6.2	34.31	8.14	7
							16.74	7.22	91.9	6.9	35.18	8.14	8
						8.40	16.69	7.18	91.3	9.0	35.30	8.14	10
							16.69	6.97	88.1	9.5	34.30	8.13	11
9:12	W1	ME	820 704	808 688	2.9	1.45	16.55	6.33	80.0	2.9	34.55	8.08	4
							16.55	6.55	82.3	2.9	33.76	8.09	3
9:16	W2	ME	820 656	808 631	2.7	1.35	16.70	6.21	78.7	3.0	34.58	8.07	4
							16.70	6.57	83.3	3.6	34.60	8.08	5
9:05	W3	ME	820 445	809 036	8.2	1.00	16.58	6.76	85.5	4.5	34.57	8.07	6
							16.58	6.25	79.1	4.6	34.57	8.08	6
						4.10	16.57	6.81	86.0	5.0	34.55	8.09	6
							16.56	6.26	79.1	4.8	34.52	8.09	6
						7.20	16.56	6.65	84.0	4.5	34.50	8.09	7
							16.55	6.73	85.0	4.4	34.52	8.09	6
8:57	W4	ME	820 072	809 297	8.8	1.00	16.61	6.88	87.1	3.0	34.51	8.06	5
							16.61	6.95	87.9	3.6	34.48	8.09	5
						4.40	16.56	7.02	88.2	5.1	33.61	8.09	5
							16.55	6.93	87.3	5.5	33.90	8.08	6
						7.80	16.55	6.82	85.5	7.5	33.20	8.08	5
							16.56	6.89	87.1	7.5	34.50	8.09	4
8:48	W5	ME	819 875	809 700	2.7	1.35	16.55	6.82	86.0	3.2	34.26	8.08	5
							16.56	6.67	84.2	2.9	34.28	8.07	5
8:24	W6	ME	819 174	810 917	7.7	1.00	16.50	7.50	94.3	2.9	33.97	8.07	4
							16.53	7.85	98.8	2.8	33.95	8.09	3
						3.85	16.45	7.61	95.5	3.1	32.85	8.07	5
							16.49	7.56	94.4	3.0	32.78	8.11	5
						6.70	16.42	7.20	90.0	4.1	33.14	8.09	4
							16.43	6.90	86.7	4.2	34.01	8.09	4
8:10	W7	ME	820 055	810 523	6.4	1.00	16.51	7.50	93.0	2.8	31.62	8.01	4
							16.52	7.35	91.9	3.0	33.05	8.02	5
						3.20	16.44	7.06	88.4	2.7	33.43	8.03	5
							16.45	7.16	89.5	2.9	33.17	8.04	5
						5.40	16.43	7.24	90.6	2.6	33.31	8.06	5
							16.41	7.04	88.1	2.7	33.36	8.04	5
8:36	W8	ME	821 328	810 240	9.4	1.00	16.62	6.50	82.1	7.2	34.17	8.02	4
							16.62	6.65	83.6	7.0	33.36	8.05	4
						4.70	16.58	6.95	87.0	5.0	33.01	8.07	5
							16.57	6.79	84.8	5.0	32.64	8.08	6
						8.40	16.57	6.87	85.9	7.7	32.77	8.08	6
							16.59	6.66	83.5	8.2	33.11	8.08	8
9:23	W9	ME	819 045	807 953	9.0	1.00	16.67	6.16	78.1	2.3	34.82	8.15	8
							16.72	6.26	79.5	3.3	34.78	8.17	8
						4.50	16.69	6.94	87.8	4.8	34.50	8.17	7
							16.66	6.79	86.1	5.5	34.88	8.15	7
						8.00	16.70	6.85	87.0	10.8	35.04	8.17	7
							16.69	6.53	82.8	10.6	34.81	8.15	8

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	14-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturation	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/L
15:25	W1	MF	820 704	808 688	2.8	1.40	16.29	6.65	83.9	2.5	35.03	8.17	3
							16.28	7.08	89.3	2.5	35.06	8.16	3
15:20	W2	MF	820 656	808 631	2.7	1.35	16.44	6.37	80.5	3.7	34.90	8.17	4
							16.45	6.56	83.0	4.1	34.92	8.17	4
15:29	W3	MF	820 445	809 036	8.2	1.00	16.46	5.01	63.1	3.9	34.16	8.15	2
							16.48	5.10	64.2	4.3	34.15	8.15	3
						4.10	16.42	6.94	87.3	2.4	34.28	8.13	3
							16.41	6.97	87.7	2.2	34.19	8.14	3
						7.20	16.33	7.13	89.3	2.4	33.86	8.14	3
							16.31	7.08	88.8	2.5	34.20	8.14	4
15:36	W4	MF	820 072	809 297	8.6	1.00	16.40	6.46	81.6	2.3	35.01	8.11	4
							16.41	6.63	83.8	2.2	35.03	8.13	2
						4.30	16.37	6.84	86.3	2.3	35.04	8.13	4
							16.35	6.76	84.7	2.4	33.74	8.13	3
						7.60	16.30	6.40	80.7	3.8	35.08	8.14	4
							16.29	6.40	80.7	3.8	35.07	8.14	3
15:47	W5	MF	819 875	809 700	2.8	1.40	16.62	6.55	83.1	2.4	35.02	8.19	3
							16.57	6.43	81.5	2.4	35.04	8.20	3
16:03	W6	MF	819 174	810 917	8.3	1.00	16.52	5.84	74.0	1.7	34.98	8.17	3
							16.55	6.00	76.0	1.7	34.98	8.17	3
						4.15	16.50	6.30	79.8	1.5	35.04	8.18	2
							16.50	6.35	80.4	1.4	35.05	8.18	2
						7.30	16.31	6.34	79.9	1.8	35.05	8.17	2
							16.30	6.20	78.2	2.0	35.05	8.17	3
16:10	W7	MF	820 055	810 523	6.6	1.00	16.40	6.01	75.9	1.7	34.97	8.17	3
							16.48	5.79	73.2	1.8	34.94	8.18	3
						3.30	16.30	6.08	76.7	2.2	34.93	8.18	2
							16.29	6.26	78.8	2.4	34.94	8.17	2
						5.60	16.13	6.16	77.4	2.4	34.96	8.17	3
							16.12	6.25	78.5	2.5	34.97	8.17	2
15:55	W8	MF	821 328	810 240	9.2	1.00	16.37	5.68	71.7	2.1	34.94	8.16	4
							16.41	6.02	76.0	2.2	34.94	8.15	4
						4.60	16.40	6.43	81.3	2.2	34.98	8.15	4
							16.38	6.33	79.9	2.2	35.00	8.15	3
						8.20	16.32	6.21	78.3	2.9	35.06	8.15	4
							16.30	6.13	77.3	3.4	35.06	8.15	3
15:10	W9	MF	819 045	807 953	8.9	1.00	16.34	7.72	97.5	5.7	35.11	8.18	4
							16.33	7.72	97.5	5.1	35.11	8.19	4
						4.45	16.26	8.00	100.9	3.3	35.11	8.19	3
							16.26	8.00	100.9	3.3	35.11	8.20	4
						7.90	16.25	8.00	100.8	2.9	35.08	8.20	4
							16.20	8.03	101.0	3.1	35.02	8.20	4
10:40	W1	ME	820 704	808 688	2.7	1.35	16.02	6.72	84.1	8.9	34.55	8.15	7
							16.03	6.87	85.5	8.7	33.72	8.15	8
10:44	W2	ME	820 656	808 631	2.9	1.45	15.92	6.78	83.5	5.6	32.39	8.12	6
							15.95	6.91	86.2	5.1	34.56	8.15	6
10:32	W3	ME	820 445	809 036	8.7	1.00	16.13	6.72	84.6	3.4	34.47	8.12	4
							16.17	6.61	82.8	3.1	34.50	8.13	3
						4.35	16.16	7.59	95.2	2.8	34.56	8.14	4
							16.16	7.52	94.3	2.8	34.58	8.15	4
						7.70	16.15	6.98	87.6	3.0	34.58	8.15	4
							16.14	6.94	87.0	3.2	34.56	8.15	5
10:24	W4	ME	820 072	809 297	8.4	1.00	16.20	6.47	81.2	3.3	34.57	8.10	4
							16.20	6.73	84.5	3.2	34.57	8.11	4
						4.20	16.19	7.80	97.9	2.9	34.54	8.12	5
							16.20	7.72	96.9	3.1	34.59	8.13	4
						7.40	16.20	7.77	97.5	3.0	34.59	8.13	4
							16.17	7.70	96.6	3.3	34.61	8.13	6
10:16	W5	ME	819 875	809 700	2.5	1.25	16.08	6.29	78.8	4.1	34.48	8.12	4
							16.08	6.03	75.5	3.8	34.47	8.12	4
9:43	W6	ME	819 174	810 917	8.0	1.00	16.25	8.09	100.9	2.0	34.29	8.22	3
							16.25	8.36	104.8	2.0	34.19	8.22	3
						4.00	16.18	8.12	101.7	2.3	34.21	8.20	3
							16.18	7.89	98.8	2.2	34.26	8.20	4
						7.00	16.10	7.88	98.5	3.5	34.23	8.20	4
							16.10	7.75	96.9	3.2	34.24	8.20	4
9:30	W7	ME	820 055	810 523	6.6	1.00	15.70	7.85	96.8	3.9	33.30	8.03	4
							15.79	7.98	98.6	3.6	33.21	8.07	4
						3.30	15.82	7.82	96.9	3.4	33.65	8.14	5
							15.82	7.70	95.4	3.4	33.64	8.14	4
						5.60	15.81	7.69	95.3	3.7	33.69	8.14	6
							15.80	7.79	96.5	3.7	33.70	8.14	4
10:00	W8	ME	821 328	810 240	8.8	1.00	16.26	9.28	116.4	1.9	34.37	8.24	3
							16.27	8.98	112.7	1.9	34.37	8.23	3
						4.40	16.25	8.01	100.5	2.2	34.25	8.22	4
							16.25	7.83	98.3	2.1	34.38	8.21	3
						7.80	16.23	7.28	91.3	7.7	34.27	8.18	3
							16.23	7.17	89.9	6.9	34.36	8.18	3
10:52	W9	ME	819 045	807 953	9.1	1.00	16.05	6.10	76.3	6.6	34.60	8.16	3
							16.09	5.94	74.4	6.1	34.58	8.16	4
						4.55	16.06	6.99	87.5	3.8	34.54	8.17	4
							16.06	6.86	85.9	3.7	34.62	8.17	5
						8.10	16.00	6.97	87.2	4.3	34.68	8.18	4
							15.99	6.79	85.0	4.5	34.69	8.18	5

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	16-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
16:39	W1	MF	820 704	808 688	2.9	1.45	16.8	8.38	99.9	4.93	32.78	8.15	7
							16.8	8.43	100.6	5.02	32.79	8.15	6
16:32	W2	MF	820 656	808 631	2.8	1.40	16.9	8.34	98.7	4.56	32.71	8.15	4
							16.9	8.43	99.9	3.99	32.77	8.15	2
16:45	W3	MF	820 445	809 036	8.6	1.00	16.5	8.10	98.1	5.87	32.78	8.13	4
							16.5	8.17	99.0	5.94	32.80	8.13	2
						4.30	16.5	8.32	100.7	6.51	32.79	8.12	4
							16.5	8.29	100.3	6.82	32.79	8.12	4
						7.60	16.5	8.32	100.7	6.20	32.79	8.12	4
							16.5	8.26	100.0	6.36	32.79	8.12	4
16:57	W4	MF	820 072	809 297	8.5	1.00	16.5	8.11	98.1	7.08	32.72	8.13	5
							16.5	8.16	98.9	6.92	32.79	8.13	4
						4.25	16.5	8.28	100.2	6.44	32.79	8.12	4
							16.5	8.25	99.8	6.71	32.79	8.12	5
						7.50	16.5	8.30	100.3	7.12	32.79	8.11	5
							16.5	8.18	98.9	7.05	32.79	8.11	4
17:11	W5	MF	819 875	809 700	2.8	1.40	17.1	8.07	94.0	5.11	32.65	8.13	4
							17.1	8.12	94.8	5.01	32.78	8.12	4
17:35	W6	MF	819 174	810 917	8.1	1.00	16.7	7.99	95.6	5.78	32.74	8.14	4
							16.7	8.09	96.9	5.94	32.77	8.14	3
						4.05	16.7	8.25	98.9	6.78	32.78	8.14	4
							16.7	8.21	98.4	6.55	32.77	8.14	4
						7.10	16.6	8.29	99.8	6.64	32.78	8.13	3
							16.7	8.21	98.3	5.90	32.78	8.13	4
17:49	W7	MF	820 055	810 523	6.6	1.00	16.8	7.90	92.9	4.93	32.53	8.10	3
							16.8	7.95	94.1	4.77	32.73	8.10	3
						3.30	16.8	8.08	95.7	5.08	32.77	8.10	4
							16.8	8.06	95.5	5.23	32.76	8.10	3
						5.60	16.5	8.22	99.0	6.14	32.74	8.09	3
							16.5	8.17	98.4	5.79	32.76	8.09	4
17:23	W8	MF	821 328	810 240	8.8	1.00	16.6	7.92	95.4	6.22	32.76	8.14	4
							16.6	7.97	96.0	6.07	32.75	8.14	4
						4.40	16.6	8.06	97.0	6.48	32.77	8.13	5
							16.6	8.04	96.7	6.23	32.77	8.12	4
						7.80	16.6	8.16	98.2	7.42	32.77	8.13	5
							16.6	8.18	98.5	7.54	32.77	8.13	5
16:18	W9	MF	819 045	807 953	9.3	1.00	16.5	8.42	101.0	8.64	32.57	8.10	7
							16.5	8.42	101.3	8.93	32.67	8.10	7
						4.65	16.5	8.41	101.4	9.74	32.72	8.11	7
							16.5	8.37	101.0	10.30	32.73	8.11	8
						8.30	16.4	8.33	101.0	8.88	32.72	8.10	9
							16.4	8.25	100.0	9.40	32.73	8.10	8
12:25	W1	ME	820 704	808 688	2.8	1.40	16.4	8.38	102.2	5.58	32.79	8.13	5
							16.4	8.44	103.0	6.02	32.81	8.13	5
12:36	W2	ME	820 656	808 631	2.9	1.45	16.5	8.51	102.9	5.71	32.80	8.11	6
							16.5	8.44	102.1	5.49	32.80	8.11	7
12:21	W3	ME	820 445	809 036	8.8	1.00	16.4	7.90	95.0	7.16	32.49	8.09	5
							16.4	7.90	95.1	6.99	32.54	8.09	4
						4.40	16.4	8.06	97.7	6.51	32.78	8.09	6
							16.4	8.07	97.8	6.42	32.79	8.08	5
						7.80	16.3	8.13	99.1	7.26	32.79	8.08	4
							16.3	8.11	99.0	7.34	32.79	8.09	6
12:09	W4	ME	820 072	809 297	8.1	1.00	16.5	8.11	96.7	6.21	32.33	8.11	4
							16.5	8.01	95.3	6.60	32.29	8.11	4
						4.05	16.4	8.12	98.6	7.04	32.78	8.10	4
							16.4	8.10	98.4	6.87	32.78	8.10	5
						7.10	16.3	8.11	99.0	7.79	32.79	8.09	8
							16.3	8.10	98.9	7.71	32.79	8.09	6
11:51	W5	ME	819 875	809 700	2.7	1.35	16.7	8.15	96.6	4.84	32.77	8.05	5
							16.7	8.16	96.8	4.69	32.77	8.06	3
11:30	W6	ME	819 174	810 917	7.9	1.00	16.8	8.22	89.8	5.52	30.74	7.96	4
							16.5	8.19	92.1	5.71	30.77	8.04	2
						3.95	16.4	8.22	99.1	6.92	32.70	8.06	3
							16.4	8.24	99.3	7.01	32.75	8.05	4
						6.90	16.3	8.19	99.4	7.05	32.78	8.05	5
							16.3	8.11	98.5	7.43	32.78	8.05	4
11:11	W7	ME	820 055	810 523	6.2	1.00	16.5	8.24	92.1	4.23	31.72	7.75	3
							16.4	8.29	93.8	4.61	31.77	7.79	2
						3.10	16.2	8.25	98.9	5.17	32.73	7.91	3
							16.2	8.23	98.8	5.34	32.74	7.92	3
						5.20	16.1	8.12	98.4	4.70	32.75	7.94	2
							16.1	8.06	97.8	4.44	32.75	7.95	4
11:43	W8	ME	821 328	810 240	8.5	1.00	16.3	9.49	108.1	6.58	30.68	8.07	4
							16.5	9.66	109.2	7.04	30.64	8.12	4
						4.25	16.4	8.45	103.0	5.43	32.76	8.14	5
							16.4	8.44	102.8	5.81	32.77	8.13	4
						7.50	16.3	8.37	102.4	4.92	32.76	8.12	3
							16.3	8.32	101.8	5.07	32.76	8.12	5
12:53	W9	ME	819 045	807 953	8.9	1.00	16.5	7.93	95.9	11.10	32.71	8.13	9
							16.5	7.98	96.4	10.40	32.72	8.12	9
						4.45	16.3	8.08	98.5	13.50	32.71	8.10	12
							16.3	8.03	97.9	14.20	32.72	8.10	12
						7.90	16.3	7.99	97.2	14.50	32.73	8.08	14
							16.3	7.95	96.7	13.20	32.73	8.08	14

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Baseline Monitoring													
Sampling Date:	18-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
9:36	W1	MF	820 704	808 688	2.7	1.35	16.3	7.74	96.2	3.76	32.65	8.07	3
							16.3	7.71	95.8	4.01	32.73	8.06	3
9:43	W2	MF	820 656	808 631	2.8	1.40	16.1	7.69	95.3	4.14	32.66	8.02	4
							16.1	7.69	95.2	4.23	32.67	8.02	3
9:24	W3	MF	820 445	809 036	8.7	1.00	16.3	7.86	97.6	6.06	32.48	8.03	4
							16.4	7.75	96.4	6.20	32.72	8.03	3
						4.35	16.3	7.90	98.3	6.84	32.73	8.03	3
							16.3	7.88	98.0	6.93	32.73	8.03	4
						7.70	16.3	7.86	97.9	7.11	32.73	8.03	3
							16.3	7.81	97.3	7.25	32.73	8.03	3
9:13	W4	MF	820 072	809 297	8.3	1.00	16.3	7.83	96.8	6.99	31.73	8.02	3
							16.4	7.74	96.3	7.12	32.60	8.02	4
						4.15	16.3	7.85	97.7	7.57	32.73	8.03	2
							16.3	7.83	97.5	7.71	32.73	8.03	3
						7.30	16.3	7.84	97.6	7.23	32.73	8.03	4
							16.3	7.84	97.5	7.50	32.73	8.03	5
9:05	W5	MF	819 875	809 700	2.9	1.45	16.3	7.96	99.0	5.26	32.75	8.01	2
							16.3	7.94	98.8	5.04	32.75	8.01	2
8:45	W6	MF	819 174	810 917	8.5	1.00	16.4	7.76	96.6	5.07	32.68	8.01	3
							16.4	7.76	96.7	5.15	32.72	8.01	2
						4.25	16.4	7.87	98.0	6.23	32.73	8.00	4
							16.4	7.84	97.6	6.04	32.73	8.00	3
						7.50	16.4	7.92	98.7	6.66	32.73	8.00	2
							16.4	7.89	98.3	6.82	32.74	8.00	3
8:35	W7	MF	820 055	810 523	6.3	1.00	16.4	8.14	101.4	4.21	32.73	7.91	2
							16.4	8.10	100.9	4.10	32.74	7.93	3
						3.15	16.3	8.21	102.1	4.93	32.75	7.96	3
							16.3	8.12	101.0	5.14	32.75	7.96	2
						5.30	16.3	8.08	100.4	5.72	32.75	7.96	3
							16.3	8.08	100.4	5.55	32.75	7.96	4
8:53	W8	MF	821 328	810 240	9.1	1.00	16.4	7.78	96.9	7.07	32.57	8.00	3
							16.4	7.85	97.8	7.12	32.71	8.00	3
						4.55	16.4	7.90	98.5	6.53	32.73	7.99	3
							16.4	7.92	98.7	6.71	32.73	8.00	3
						8.10	16.4	7.91	98.6	7.33	32.73	7.99	2
							16.4	7.90	98.5	7.50	32.73	7.99	3
9:51	W9	MF	819 045	807 953	9.7	1.00	16.4	7.52	93.5	7.47	32.19	8.06	3
							16.4	7.50	93.5	7.64	32.64	8.06	4
						4.85	16.4	7.59	94.6	7.98	32.68	8.05	3
							16.4	7.57	94.4	8.12	32.68	8.05	4
						8.70	16.4	7.64	95.2	8.43	32.70	8.05	4
							16.4	7.65	95.2	8.33	32.71	8.05	4
12:34	W1	ME	820 704	808 688	2.5	1.25	16.6	7.88	98.6	4.72	32.73	8.10	4
							16.6	7.93	99.2	5.06	32.73	8.11	2
12:27	W2	ME	820 656	808 631	2.7	1.35	16.6	8.04	100.6	4.55	32.73	8.13	2
							16.6	8.01	100.3	4.37	32.73	8.12	3
12:40	W3	ME	820 445	809 036	8.2	1.00	16.5	7.89	98.6	6.21	32.73	8.13	2
							16.6	7.86	98.3	6.60	32.73	8.13	2
						4.10	16.5	7.98	99.5	6.93	32.72	8.12	3
							16.4	7.99	99.7	7.16	32.73	8.12	3
						7.20	16.4	8.05	100.3	7.17	32.73	8.11	4
							16.4	8.02	100.0	7.30	32.73	8.11	5
12:56	W4	ME	820 072	809 297	8.0	1.00	16.6	7.68	96.0	6.63	32.69	8.12	4
							16.6	7.67	95.9	6.79	32.70	8.11	3
						4.00	16.5	7.81	97.6	7.36	32.71	8.11	4
							16.5	7.84	97.9	7.55	32.72	8.10	4
						7.00	16.4	7.95	99.1	7.04	32.73	8.10	3
							16.4	7.99	99.5	7.24	32.74	8.10	4
13:07	W5	ME	819 875	809 700	2.7	1.35	16.7	8.02	100.4	5.40	32.75	8.13	3
							16.7	8.07	101.1	5.66	32.75	8.13	3
13:29	W6	ME	819 174	810 917	8.2	1.00	16.6	7.89	98.8	5.12	32.71	8.14	3
							16.6	7.91	99.0	5.24	32.72	8.14	2
						4.10	16.5	8.01	100.0	5.83	32.73	8.13	3
							16.4	8.01	99.9	5.97	32.74	8.13	3
						7.20	16.4	8.11	101.1	6.43	32.73	8.13	5
							16.4	8.05	100.4	6.61	32.74	8.12	4
13:42	W7	ME	820 055	810 523	6.5	1.00	16.9	7.83	98.4	4.22	32.59	8.14	2
							16.9	7.99	100.6	4.34	32.75	8.13	2
						3.25	16.6	8.10	101.3	4.78	32.71	8.13	3
							16.5	8.14	101.7	4.93	32.75	8.13	3
						5.50	16.4	8.23	102.6	5.57	32.72	8.12	2
							16.4	8.19	102.1	5.64	32.75	8.12	4
13:16	W8	ME	821 328	810 240	9.2	1.00	16.8	8.11	101.7	6.74	32.73	8.14	3
							16.8	8.20	102.9	6.97	32.74	8.13	2
						4.60	16.5	8.37	104.5	7.17	32.74	8.13	3
							16.5	8.35	104.3	7.31	32.74	8.13	3
						8.20	16.5	8.30	103.5	7.42	32.74	8.12	2
							16.5	8.25	102.8	7.55	32.74	8.12	2
12:16	W9	ME	819 045	807 953	9.4	1.00	16.6	7.87	98.3	7.77	32.49	8.10	4
							16.6	7.84	98.1	7.86	32.71	8.08	3
						4.70	16.6	7.84	98.0	7.41	32.71	8.09	3
							16.6	7.84	98.1	7.30	32.70	8.09	3
						8.40	16.5	7.92	98.8	8.05	32.71	8.09	3
							16.5	7.88	98.3	7.91	32.71	8.09	3

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	21-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
10:25	W1	MF	820 704	808 688	2.9	1.45	15.78	5.76	71.8	2.3	34.67	8.39	4
							15.80	5.58	69.5	2.6	34.66	8.38	4
10:33	W2	MF	820 656	808 631	2.8	1.40	15.82	5.08	63.3	2.5	34.62	8.37	3
							15.81	5.22	65.0	2.3	34.63	8.37	5
10:10	W3	MF	820 445	809 036	8.2	1.00	15.81	5.99	74.6	2.2	34.54	8.35	4
							15.80	5.66	70.5	2.0	34.57	8.35	3
						4.10	15.80	5.79	72.1	2.1	34.63	8.35	2
							15.78	5.59	69.6	2.4	34.68	8.35	3
						7.20	15.77	5.40	67.3	3.6	34.77	8.36	5
							15.77	5.34	66.6	3.2	34.77	8.36	5
9:50	W4	MF	820 072	809 297	8.6	1.00	15.99	6.32	79.0	2.6	34.50	8.34	5
							15.99	6.32	79.0	2.2	34.51	8.34	4
						4.30	15.98	6.37	79.6	2.6	34.59	8.33	4
							15.98	6.17	77.1	2.5	34.59	8.33	4
						7.60	15.97	5.69	71.2	2.9	34.69	8.32	5
							15.97	5.77	72.2	2.3	34.69	8.32	4
9:42	W5	MF	819 875	809 700	3.3	1.00	15.85	7.56	94.2	1.8	34.48	8.39	4
							15.85	7.59	94.6	1.8	34.51	8.39	3
						2.30	15.80	7.12	88.6	1.6	34.57	8.39	3
							15.79	7.02	87.4	1.6	34.59	8.39	3
9:10	W6	MF	819 174	810 917	7.9	1.00	15.94	9.03	112.7	1.5	34.33	8.29	4
							15.94	8.67	108.1	1.6	34.34	8.29	3
						3.95	15.94	8.42	105.0	1.5	34.37	8.28	5
							15.94	8.24	102.7	2.3	34.39	8.28	4
						6.90	15.90	8.22	102.5	1.9	34.42	8.29	4
							15.90	7.88	98.2	2.1	34.43	8.29	5
8:56	W7	MF	820 055	810 523	6.7	1.00	15.74	10.35	128.5	1.8	34.28	8.34	3
							15.74	10.15	126.0	1.6	34.28	8.35	4
						3.35	15.72	10.38	128.9	1.4	34.31	8.34	4
							15.72	10.16	126.2	2.1	34.32	8.35	2
						5.70	15.68	10.51	130.4	2.1	34.36	8.35	3
							15.68	10.17	126.2	1.9	34.36	8.35	3
9:27	W8	MF	821 328	810 240	9.6	1.00	16.01	8.19	102.3	1.7	34.43	8.32	3
							16.01	8.19	102.3	1.8	34.44	8.32	2
						4.80	16.00	7.61	95.1	2.2	34.48	8.31	4
							16.00	7.38	92.3	1.8	34.48	8.31	4
						8.60	15.99	7.20	90.0	1.9	34.55	8.31	4
							15.99	7.22	90.2	1.8	34.57	8.31	5
10:44	W9	MF	819 045	807 953	9.1	1.00	15.86	5.31	66.2	1.9	34.62	8.39	4
							15.86	5.22	65.1	2.1	34.65	8.39	5
						4.55	15.85	4.95	61.8	1.7	34.81	8.37	6
							15.85	5.00	62.4	1.7	34.81	8.37	5
						8.10	15.79	5.04	62.9	1.9	34.89	8.37	6
							15.79	4.87	60.7	2.2	34.89	8.37	4
14:39	W1	ME	820 704	808 688	2.7	1.35	16.06	7.28	91.3	1.8	34.82	8.29	4
							16.08	7.52	94.3	2.0	34.83	8.29	3
14:31	W2	ME	820 656	808 631	2.7	1.35	16.30	8.73	109.9	1.8	34.73	8.26	3
							16.27	8.56	107.7	1.7	34.77	8.26	4
14:47	W3	ME	820 445	809 036	7.7	1.00	15.92	6.53	81.7	1.7	34.80	8.29	3
							15.90	6.39	79.9	1.7	34.81	8.28	2
						3.85	15.85	6.07	75.8	2.2	34.91	8.26	5
							15.85	6.54	81.8	1.9	34.91	8.26	4
						6.70	15.82	5.93	74.0	2.4	34.98	8.25	7
							15.83	6.13	76.5	2.6	34.98	8.25	6
15:04	W4	ME	820 072	809 297	8.4	1.00	16.18	5.95	74.8	1.2	34.76	8.31	4
							16.18	5.82	73.1	1.2	34.76	8.31	4
						4.20	16.02	5.88	73.7	2.0	34.90	8.30	4
							16.02	5.96	74.7	2.0	34.90	8.30	3
						7.40	15.85	5.59	69.8	2.9	34.99	8.27	3
							15.85	5.49	68.6	2.6	34.99	8.26	4
15:22	W5	ME	819 875	809 700	2.9	1.45	16.45	5.03	63.6	1.4	34.83	8.33	4
							16.45	4.98	62.9	1.4	34.83	8.33	5
15:58	W6	ME	819 174	810 917	7.7	1.00	16.23	4.61	58.0	1.4	34.79	8.35	4
							16.22	4.15	52.2	1.4	34.79	8.35	3
						3.85	16.07	4.27	53.6	1.4	34.91	8.34	6
							16.07	4.52	56.7	1.4	34.92	8.34	5
						6.70	15.96	4.55	57.0	1.5	34.99	8.34	7
							15.94	4.43	55.5	1.5	35.01	8.34	6
16:13	W7	ME	820 055	810 523	6.7	1.00	16.25	6.65	83.7	1.1	34.80	8.48	5
							16.25	6.81	85.6	1.1	34.81	8.47	5
						3.35	15.91	6.64	83.1	2.9	34.98	8.49	3
							15.90	6.43	80.4	2.7	34.98	8.48	4
						5.70	15.77	5.66	70.6	4.8	35.03	8.43	5
							15.78	5.54	69.2	4.5	35.03	8.43	5
15:39	W8	ME	821 328	810 240	8.4	1.00	16.33	4.97	62.6	1.0	34.82	8.35	4
							16.33	4.97	62.6	1.0	34.82	8.35	2
						4.20	16.13	4.94	62.1	1.2	34.97	8.41	4
							16.13	4.98	62.5	1.1	34.98	8.41	5
						7.40	16.02	4.83	60.6	1.8	35.03	8.35	3
							16.02	4.69	58.8	2.1	35.03	8.34	4
14:17	W9	ME	819 045	807 953	9.0	1.00	16.07	8.95	112.2	2.3	34.70	8.04	4
							16.06	8.90	111.5	2.0	34.67	8.07	4
						4.50	15.95	8.78	109.9	2.0	34.82	8.13	3
							15.96	8.85	110.8	2.2	34.82	8.13	3
						8.00	15.86	9.14	114.3	1.5	34.97	8.17	4
							15.86	9.17	114.7	1.7	34.97	8.17	4

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	23-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
11:00	W1	MF	820 704	808 688	2.7	1.35	15.66	9.23	114.6	2.3	34.54	8.29	3
							15.65	9.24	114.8	2.5	34.54	8.29	3
11:07	W2	MF	820 656	808 631	2.9	1.45	15.75	8.79	109.5	1.8	34.69	8.26	2
							15.76	8.81	109.7	1.8	34.69	8.26	3
10:46	W3	MF	820 445	809 036	8.6	1.00	15.80	9.69	120.7	2.5	34.56	8.35	4
							15.80	9.67	120.4	2.2	34.56	8.35	3
						4.30	15.65	9.69	120.4	2.7	34.69	8.36	4
							15.65	9.70	120.5	2.9	34.65	8.36	4
						7.60	15.60	9.72	120.6	3.5	34.64	8.36	3
							15.60	9.72	120.6	3.3	34.66	8.36	4
10:31	W4	MF	820 072	809 297	8.4	1.00	15.70	8.21	102.0	2.1	34.49	8.37	3
							15.72	8.51	105.8	2.0	34.50	8.36	3
						4.20	15.63	9.49	117.9	5.0	34.60	8.36	7
							15.63	9.54	118.4	4.6	34.61	8.36	6
						7.40	15.57	9.67	119.9	6.4	34.65	8.36	7
							15.57	9.69	120.2	5.7	34.68	8.36	6
10:23	W5	MF	819 875	809 700	2.8	1.40	15.63	8.61	106.8	7.3	34.53	8.34	7
							15.68	8.83	109.6	7.6	34.51	8.34	6
10:00	W6	MF	819 174	810 917	8.3	1.00	15.66	8.90	110.2	6.9	34.03	8.35	7
							15.66	9.24	114.3	7.1	33.91	8.35	7
						4.15	15.52	9.92	122.6	5.4	34.32	8.34	6
							15.53	9.92	122.7	5.3	34.32	8.34	8
						7.30	15.42	10.06	124.2	5.9	34.36	8.37	8
							15.42	10.10	124.7	6.3	34.35	8.37	10
9:47	W7	MF	820 055	810 523	6.6	1.00	15.56	8.96	109.6	6.1	32.38	8.28	10
							15.56	9.27	113.6	6.2	32.62	8.31	10
						3.30	15.39	9.70	119.4	5.5	34.01	8.38	9
							15.39	9.70	119.4	5.1	34.03	8.38	10
						5.60	15.37	10.10	124.4	4.9	34.10	8.37	8
							15.36	10.17	125.2	5.2	34.15	8.37	8
10:12	W8	MF	821 328	810 240	8.9	1.00	15.66	10.24	127.1	3.4	34.50	8.36	5
							15.66	10.25	127.2	3.3	34.50	8.36	5
						4.45	15.60	10.28	127.5	3.8	34.57	8.36	5
							15.59	10.28	127.5	4.1	34.57	8.36	4
						7.90	15.55	10.06	124.7	4.2	34.61	8.35	4
							15.55	10.04	124.5	4.4	34.59	8.35	4
11:18	W9	MF	819 045	807 953	9.9	1.00	15.89	8.13	101.4	5.0	34.44	8.26	5
							15.90	8.13	101.3	5.6	34.45	8.26	4
						4.95	15.75	8.78	109.2	4.9	34.64	8.30	5
							15.74	8.78	109.3	4.6	34.65	8.31	6
						8.90	15.52	9.42	116.8	6.6	34.78	8.34	6
							15.51	9.50	117.8	6.2	34.78	8.34	4
15:42	W1	ME	820 704	808 688	2.8	1.40	16.01	8.43	105.7	4.3	34.99	8.29	5
							16.00	8.83	110.7	4.2	34.95	8.29	4
15:34	W2	ME	820 656	808 631	2.9	1.45	16.09	8.21	102.0	5.5	33.24	8.28	4
							16.09	8.69	108.3	5.2	33.70	8.28	5
15:52	W3	ME	820 445	809 036	8.5	1.00	15.87	8.99	112.2	5.0	34.81	8.41	4
							15.87	8.99	112.2	5.1	34.67	8.41	5
						4.25	15.56	9.82	121.9	13.5	34.82	8.37	17
							15.55	9.87	122.6	13.8	34.93	8.37	17
						7.50	15.56	9.51	118.4	12.1	35.34	8.31	15
							15.56	9.52	118.6	11.6	35.37	8.31	17
16:05	W4	ME	820 072	809 297	8.3	1.00	15.84	8.69	108.6	5.0	34.84	8.33	6
							15.85	8.92	111.4	5.1	34.87	8.34	6
						4.15	15.75	9.97	123.6	5.2	34.10	8.34	6
							15.74	9.92	123.9	5.1	35.12	8.34	5
						7.30	15.57	9.99	124.4	4.9	35.25	8.34	5
							15.56	10.03	124.8	4.6	35.22	8.35	4
16:17	W5	ME	819 875	809 700	2.6	1.30	16.05	8.37	105.0	4.3	34.93	8.38	6
							16.06	8.57	107.5	4.2	34.81	8.37	4
16:46	W6	ME	819 174	810 917	8.6	1.00	15.79	8.29	103.5	6.0	34.95	8.29	9
							15.79	8.54	106.6	5.7	34.92	8.30	10
						4.30	15.77	9.68	120.8	4.9	35.05	8.30	9
							15.76	9.72	121.3	5.2	35.08	8.30	9
						7.60	15.73	9.73	121.5	4.3	35.15	8.30	9
							15.73	9.73	121.4	4.2	35.14	8.30	8
16:59	W7	ME	820 055	810 523	6.2	1.00	15.74	9.56	119.1	3.8	34.82	8.41	3
							15.74	9.75	121.3	4.1	34.75	8.41	3
						3.10	15.70	10.30	128.4	2.8	34.97	8.41	2
							15.70	10.30	128.4	2.6	34.95	8.40	3
						5.20	15.61	10.50	130.6	3.5	34.98	8.40	4
							15.61	10.54	130.8	3.4	34.68	8.40	5
16:33	W8	ME	821 328	810 240	9.2	1.00	15.78	8.29	103.3	1.6	34.69	8.33	3
							15.79	8.55	106.5	1.6	34.71	8.33	4
						4.60	15.79	9.18	114.5	2.2	34.92	8.32	5
							15.79	9.18	114.5	2.1	34.97	8.32	4
						8.20	15.66	9.62	119.8	8.5	34.95	8.31	6
							15.66	9.62	119.8	7.7	35.01	8.30	4
15:20	W9	ME	819 045	807 953	9.4	1.00	15.94	9.31	116.1	4.0	34.22	8.36	3
							15.94	9.18	114.4	3.8	34.25	8.36	2
						4.70	15.80	8.83	110.0	4.0	34.65	8.30	4
							15.78	8.81	109.7	3.9	34.68	8.30	2
						8.40	15.58	8.92	110.9	3.9	34.91	8.34	3
							15.56	9.21	114.4	3.8	34.92	8.35	5

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Baseline Monitoring

Sampling Date: **25-Jan-14**

Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
12:09	W1	MF	820 704	808 688	2.7	1.35	16.04	6.95	85.8	1.1	32.47	8.15	2
							16.03	7.06	88.0	1.1	33.89	8.14	2
12:17	W2	MF	820 656	808 631	2.7	1.35	16.28	7.30	91.5	3.0	33.92	8.09	3
							16.29	7.37	92.2	2.8	33.92	8.08	2
11:55	W3	MF	820 445	809 036	8.4	1.00	16.12	7.38	92.1	2.3	33.86	7.94	5
							16.11	7.68	95.8	2.2	33.87	7.94	3
						4.20	16.07	8.11	100.8	1.8	33.35	7.95	5
							16.04	8.26	102.5	1.8	33.16	7.95	4
						7.40	15.96	8.37	104.1	2.3	33.81	7.95	4
							15.96	8.42	104.1	2.3	32.83	7.94	5
11:40	W4	MF	820 072	809 297	8.3	1.00	16.10	5.73	71.5	1.8	33.71	8.00	5
							16.11	6.16	76.7	1.7	33.69	7.99	7
						4.15	15.99	6.95	86.4	1.9	33.69	7.96	6
							15.98	7.11	88.4	1.8	33.78	7.95	6
						7.30	15.94	7.52	93.5	3.7	33.82	7.94	6
							15.94	7.58	94.2	3.9	33.86	7.94	7
11:31	W5	MF	819 875	809 700	2.9	1.45	16.14	5.94	74.2	1.6	33.88	8.05	3
							16.15	6.00	74.9	1.6	33.79	8.05	4
11:06	W6	MF	819 174	810 917	7.5	1.00	16.14	7.93	98.8	2.6	33.61	8.22	4
							16.13	7.98	99.3	2.5	33.34	8.22	3
						3.75	16.12	9.43	117.6	2.2	33.68	8.18	2
							16.11	9.30	115.9	2.4	33.67	8.19	3
						6.50	16.11	9.58	119.5	3.5	33.84	8.18	6
							16.11	9.68	120.8	3.3	33.83	8.18	4
10:52	W7	MF	820 055	810 523	6.3	1.00	16.14	10.18	125.7	3.1	32.12	8.15	4
							16.13	10.18	125.8	3.0	32.25	8.19	3
						3.15	16.07	10.16	126.1	1.8	33.08	8.23	3
							16.07	10.33	128.2	2.0	33.13	8.23	4
						5.30	16.06	10.83	134.4	1.9	33.14	8.23	6
							16.05	10.90	135.3	1.9	33.21	8.23	6
11:18	W8	MF	821 328	810 240	9.9	1.00	16.10	4.66	57.9	1.7	33.63	8.21	3
							16.07	4.52	56.2	1.9	33.64	8.20	3
						4.95	16.03	5.81	72.4	1.5	33.90	8.20	5
							16.04	5.96	74.3	1.4	33.88	8.21	6
						8.90	16.06	7.45	92.4	4.7	32.90	8.24	5
							16.06	7.42	92.0	5.0	32.90	8.23	5
12:33	W9	MF	819 045	807 953	9.2	1.00	16.03	6.34	78.8	2.1	33.55	8.09	4
							16.04	6.33	78.8	2.0	33.58	8.08	4
						4.60	15.85	7.51	93.2	1.6	33.86	8.05	4
							15.86	7.49	93.0	1.5	33.84	8.05	3
						8.20	15.95	7.19	89.5	2.5	34.00	8.03	4
							15.95	7.52	93.6	2.6	33.98	8.03	3
16:30	W1	ME	820 704	808 688	2.9	1.45	16.16	8.87	111.1	1.9	34.35	8.10	2
							16.17	8.92	111.7	1.9	34.34	8.11	2
16:22	W2	ME	820 656	808 631	2.8	1.40	16.19	8.58	107.5	2.9	34.40	8.12	4
							16.19	8.69	109.0	2.5	34.40	8.12	2
16:39	W3	ME	820 445	809 036	8.6	1.00	16.10	8.82	110.3	1.7	34.34	8.14	4
							16.13	8.84	110.6	1.9	34.35	8.13	3
						4.30	15.99	8.87	110.8	2.2	34.36	8.13	5
							15.96	9.24	115.2	2.4	34.37	8.13	4
						7.60	15.91	8.94	111.5	3.2	34.45	8.13	7
							15.91	9.13	113.9	3.3	34.47	8.13	5
16:52	W4	ME	820 072	809 297	8.4	1.00	16.28	8.94	112.2	1.4	34.29	8.11	4
							16.28	8.79	110.4	1.4	34.29	8.12	3
						4.20	15.97	9.02	112.6	1.9	34.36	8.12	2
							15.94	9.20	114.8	2.2	34.38	8.13	2
						7.40	15.91	9.13	113.8	3.4	34.45	8.13	2
							15.91	9.14	114.0	3.3	34.46	8.13	2
17:07	W5	ME	819 875	809 700	2.7	1.35	16.51	8.29	104.6	1.6	34.42	8.18	3
							16.50	8.29	104.6	1.6	34.42	8.19	4
17:41	W6	ME	819 174	810 917	7.8	1.00	16.43	8.03	101.1	1.4	34.41	8.27	3
							16.42	8.50	107.1	1.4	34.41	8.28	3
						3.90	16.24	9.32	117.0	1.7	34.50	8.27	2
							16.23	9.32	117.0	1.9	34.50	8.27	3
						6.80	16.20	9.44	118.5	1.7	34.56	8.29	3
							16.20	9.77	122.6	1.5	34.57	8.29	3
17:53	W7	ME	820 055	810 523	6.5	1.00	16.38	9.69	122.0	1.4	34.48	8.27	2
							16.34	9.69	121.9	1.5	34.47	8.27	2
						3.25	16.24	9.85	123.7	1.6	34.50	8.26	2
							16.25	9.85	123.7	1.5	34.53	8.26	3
						5.50	16.17	9.82	122.4	1.5	33.46	8.28	3
							16.16	9.72	121.8	1.5	34.44	8.27	3
17:26	W8	ME	821 328	810 240	9.4	1.00	16.31	10.40	130.6	1.6	34.26	8.33	3
							16.32	9.24	116.1	1.5	34.27	8.31	4
						4.70	16.07	9.02	112.8	2.1	34.38	8.26	4
							16.06	9.11	113.8	2.1	34.36	8.26	3
						8.40	16.02	8.96	112.0	4.8	34.48	8.22	2
							16.02	8.93	111.6	5.2	34.44	8.22	2
16:10	W9	ME	819 045	807 953	9.0	1.00	16.00	8.74	109.1	1.1	34.23	8.08	3
							15.99	8.79	109.7	1.0	34.23	8.06	3
						4.50	15.79	8.58	106.7	2.1	34.39	7.93	2
							15.80	8.58	106.7	1.9	34.39	7.93	3
						8.00	15.95	8.30	103.6	3.7	34.59	7.92	3
							15.95	8.32	103.9	4.0	34.58	7.93	3

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	27-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
12:23	W1	MF	820 704	808 688	2.7	1.35	16.64	9.52	120.8	1.8	34.94	8.26	2
							16.63	9.59	121.6	1.8	34.94	8.26	2
12:14	W2	MF	820 656	808 631	2.8	1.40	16.65	8.99	114.0	2.8	34.84	8.29	4
							16.63	9.05	114.8	2.5	34.86	8.29	2
12:31	W3	MF	820 445	809 036	8.3	1.00	16.70	8.61	109.4	1.2	35.08	8.28	4
							16.72	8.60	109.4	1.2	35.07	8.28	4
						4.15	16.52	9.56	121.1	1.6	35.08	8.29	3
							16.51	9.56	121.1	1.6	35.08	8.29	2
						7.30	16.46	10.04	127.0	6.2	35.08	8.29	3
							16.46	10.05	127.1	4.7	35.10	8.29	2
12:45	W4	MF	820 072	809 297	8.6	1.00	16.72	9.89	125.7	1.7	34.88	8.27	3
							16.73	9.89	125.7	1.6	34.87	8.27	3
						4.30	16.51	10.16	128.7	1.3	35.10	8.29	3
							16.51	10.16	128.7	1.3	35.10	8.29	3
						7.60	16.46	10.05	127.2	1.5	35.13	8.28	3
							16.46	10.06	127.4	1.6	35.12	8.28	2
12:59	W5	MF	819 875	809 700	2.7	1.35	16.97	9.45	120.6	1.6	34.95	8.36	3
							16.97	9.79	125.0	1.6	34.94	8.35	5
13:24	W6	MF	819 174	810 917	8.4	1.00	16.66	7.48	95.0	3.9	35.06	8.39	3
							16.73	7.56	96.1	3.5	35.00	8.39	2
						4.20	16.60	9.48	120.2	1.9	35.00	8.36	2
							16.58	9.48	120.2	1.9	35.02	8.35	3
						7.40	16.48	10.19	129.0	1.5	35.10	8.31	3
							16.48	10.19	129.0	1.5	35.10	8.30	2
13:40	W7	MF	820 055	810 523	6.6	1.00	16.82	10.56	134.3	1.2	34.73	8.36	2
							16.82	10.56	134.3	1.2	34.69	8.36	2
						3.30	16.61	10.85	137.7	1.3	35.00	8.34	3
							16.61	10.91	138.4	1.2	35.01	8.34	2
						5.60	16.52	10.56	133.8	1.6	35.07	8.31	3
							16.51	10.33	130.9	1.5	35.09	8.30	2
13:10	W8	MF	821 328	810 240	8.8	1.00	16.84	8.31	105.8	4.9	34.82	8.36	3
							16.84	8.31	105.8	4.8	34.83	8.36	3
						4.40	16.53	9.97	126.2	2.2	34.91	8.31	3
							16.52	10.04	127.1	2.0	34.94	8.31	2
						7.80	16.51	10.17	128.6	2.5	34.86	8.29	3
							16.51	10.03	127.0	2.9	34.93	8.28	3
12:02	W9	MF	819 045	807 953	9.4	1.00	16.55	8.51	107.3	1.9	33.99	8.42	2
							16.57	8.65	108.9	2.2	34.00	8.42	3
						4.70	16.52	10.07	126.8	1.8	34.07	8.38	3
							16.51	10.32	129.9	1.9	34.07	8.38	3
						8.40	16.46	10.30	129.5	4.9	34.11	8.34	3
							16.46	10.23	128.7	5.1	34.11	8.34	3
9:31	W1	ME	820 704	808 688	2.7	1.35	16.51	8.15	102.5	1.6	33.96	8.22	3
							16.47	8.10	101.9	1.6	33.98	8.22	3
9:40	W2	ME	820 656	808 631	2.6	1.30	16.43	8.97	112.7	1.6	34.00	8.21	7
							16.43	8.97	112.7	1.6	34.00	8.21	6
9:17	W3	ME	820 445	809 036	8.5	1.00	16.58	10.13	127.5	1.8	33.88	8.33	3
							16.58	10.28	129.4	1.8	33.87	8.33	3
						4.25	16.54	10.52	132.3	2.0	33.80	8.33	3
							16.53	10.46	131.6	2.1	33.84	8.33	3
						7.50	16.50	10.60	133.2	2.5	33.85	8.33	4
							16.51	10.42	131.1	2.3	33.87	8.33	5
9:04	W4	ME	820 072	809 297	8.3	1.00	16.61	9.03	113.7	3.1	33.82	8.35	5
							16.62	8.88	111.9	2.7	33.82	8.34	4
						4.15	16.53	9.09	114.4	2.0	33.84	8.33	5
							16.53	9.31	117.0	1.8	33.84	8.33	4
						7.30	16.48	10.25	128.7	2.6	33.82	8.32	4
							16.48	10.27	129.0	2.4	33.81	8.33	4
8:56	W5	ME	819 875	809 700	2.5	1.25	16.69	10.38	130.9	2.4	33.83	8.34	3
							16.67	10.07	127.1	2.1	33.85	8.34	2
8:29	W6	ME	819 174	810 917	5.1	1.00	16.76	9.81	123.7	0.9	33.59	8.33	3
							16.78	10.08	127.2	0.9	33.60	8.33	2
						2.55	16.52	10.41	130.6	1.0	33.54	8.30	4
							16.53	10.32	129.6	1.1	33.57	8.30	4
						4.10	16.43	10.29	128.9	4.1	33.63	8.28	3
							16.44	10.18	127.6	4.3	33.63	8.27	3
8:16	W7	ME	820 055	810 523	6.3	1.00	16.78	9.57	120.0	1.9	32.46	8.18	2
							16.77	9.74	122.1	1.8	32.56	8.20	3
						3.15	16.59	10.34	129.5	1.5	33.03	8.27	2
							16.58	10.35	129.7	1.6	33.06	8.27	3
						5.30	16.46	10.35	129.4	2.2	33.07	8.24	3
							16.45	10.32	129.1	2.3	33.09	8.24	4
8:42	W8	ME	821 328	810 240	8.5	1.00	16.61	7.73	97.4	7.5	33.72	8.32	3
							16.60	7.89	99.3	6.1	33.73	8.32	3
						4.25	16.52	10.00	125.6	2.7	33.76	8.31	2
							16.53	10.14	127.4	2.6	33.76	8.31	4
						7.50	16.51	10.40	130.7	3.5	33.79	8.30	3
							16.52	10.32	129.8	3.9	33.78	8.30	2
9:51	W9	ME	819 045	807 953	9.1	1.00	16.55	7.67	96.4	1.7	33.78	8.34	3
							16.56	7.53	94.7	1.6	33.81	8.35	4
						4.55	16.51	9.86	124.0	1.3	33.93	8.35	3
							16.51	10.07	126.7	1.6	33.97	8.35	3
						8.10	16.46	10.33	129.9	7.9	34.02	8.33	3
							16.46	10.33	129.9	7.4	34.03	8.33	2

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Contract No. 1/WSD/13 -
Improvement of Fresh Water Supply to Cheung Chau

Baseline Monitoring													
Sampling Date:	29-Jan-14												
Date / Time	Location	Tide*	Co-ordinates		Water Depth	Sampling Depth	Temp	DO Conc	DO Saturatio	Turbidity	Salinity	pH	SS
			East	North	m	m	℃	mg/L	%	NTU	ppt	unit	mg/l
15:02	W1	MF	820 704	808 688	2.7	1.35	17.17	10.90	140.0	1.3	35.36	7.92	3
							17.17	10.89	140.0	1.4	35.36	7.92	4
14:53	W2	MF	820 656	808 631	2.6	1.30	17.23	9.53	122.6	1.0	35.23	8.04	4
							17.22	9.53	122.6	1.0	35.25	8.03	4
15:11	W3	MF	820 445	809 036	8.7	1.00	17.25	7.85	101.0	2.7	35.27	7.79	3
							17.21	7.86	101.1	2.3	35.30	7.79	3
						4.35	16.84	10.00	127.7	1.0	35.42	7.72	3
							16.84	10.12	129.2	0.9	35.41	7.72	2
						7.70	16.73	10.50	133.9	3.0	35.45	7.68	3
							16.73	10.55	134.4	3.0	35.45	7.68	5
15:24	W4	MF	820 072	809 297	8.4	1.00	16.96	10.56	135.1	1.4	35.35	7.68	3
							17.13	10.57	135.6	1.1	35.27	7.70	3
						4.20	16.87	10.48	133.8	0.7	35.36	7.70	2
							16.86	10.64	135.9	0.6	35.37	7.70	2
						7.40	16.74	10.80	137.7	1.2	35.36	7.69	3
							16.73	10.81	137.7	1.2	35.36	7.70	2
15:38	W5	MF	819 875	809 700	2.8	1.40	17.28	9.30	119.6	1.9	35.16	8.09	4
							17.29	9.74	125.2	1.5	35.14	8.08	5
16:00	W6	MF	819 174	810 917	8.0	1.00	17.32	7.38	94.8	7.1	34.98	8.21	3
							17.32	7.51	96.5	6.8	34.99	8.21	3
						4.00	16.96	9.58	122.3	2.9	35.07	8.18	4
							16.89	9.26	118.2	2.5	35.06	8.17	3
						7.00	16.84	10.33	131.7	1.2	35.13	8.15	4
							16.83	10.58	134.9	1.4	35.12	8.15	3
16:13	W7	MF	820 055	810 523	6.6	1.00	17.34	10.38	133.4	0.8	34.81	8.18	3
							17.41	10.67	137.2	0.7	34.72	8.19	3
						3.30	17.29	11.17	142.9	0.7	34.28	8.19	4
							17.24	11.25	144.4	0.6	34.99	8.19	3
						5.60	16.85	11.36	143.9	0.8	34.05	8.16	3
							16.84	11.16	141.6	0.9	34.22	8.16	4
15:47	W8	MF	821 328	810 240	9.3	1.00	17.46	8.48	109.3	0.4	34.88	8.11	2
							17.40	8.64	111.3	0.4	34.97	8.11	3
						4.65	16.82	10.48	133.6	0.5	35.07	8.10	5
							16.79	10.82	137.9	1.1	35.12	8.10	4
						8.30	16.73	11.16	142.0	3.7	35.17	8.07	3
							16.73	11.04	140.5	4.0	35.17	8.07	5
14:38	W9	MF	819 045	807 953	9.5	1.00	16.55	9.27	116.9	1.4	34.15	8.12	2
							16.55	9.27	116.9	1.3	34.15	8.13	2
						4.75	16.41	9.51	119.5	1.7	34.16	8.13	3
							16.40	9.51	119.6	1.6	34.15	8.12	3
						8.50	16.35	9.50	119.2	11.4	34.13	8.11	4
							16.35	9.39	117.9	12.1	34.16	8.11	2
11:37	W1	ME	820 704	808 688	2.7	1.35	16.93	9.75	123.8	0.8	34.17	8.27	4
							16.93	9.99	126.8	0.7	34.18	8.27	4
11:45	W2	ME	820 656	808 631	2.8	1.40	16.91	10.53	133.7	0.6	34.15	8.23	3
							16.91	10.64	135.1	0.7	34.15	8.23	4
11:24	W3	ME	820 445	809 036	8.4	1.00	16.86	10.01	126.8	1.1	33.90	8.22	3
							16.87	10.12	128.2	1.0	33.90	8.22	4
						4.20	16.82	10.34	130.9	0.8	33.90	8.22	2
							16.82	10.38	131.3	0.8	33.90	8.22	3
						7.40	16.74	10.40	131.4	1.2	33.89	8.21	4
							16.72	10.46	132.1	1.2	33.90	8.21	4
11:09	W4	ME	820 072	809 297	8.6	1.00	16.88	8.48	107.4	3.6	33.91	8.25	4
							16.88	8.48	107.4	3.4	33.91	8.25	2
						4.30	16.79	10.10	127.7	1.1	33.90	8.23	3
							16.79	10.16	128.4	1.0	33.89	8.23	3
						7.60	16.73	9.77	123.4	1.7	33.89	8.22	2
							16.72	10.10	127.6	1.6	33.89	8.22	2
10:53	W5	ME	819 875	809 700	2.9	1.45	16.92	7.93	100.4	1.1	33.81	8.22	3
							16.89	8.25	104.5	1.9	33.83	8.22	3
10:25	W6	ME	819 174	810 917	7.8	1.00	17.26	9.33	118.9	1.1	33.63	8.26	2
							17.26	9.33	118.9	1.1	33.64	8.27	4
						3.90	16.82	10.45	132.0	0.9	33.61	8.26	3
							16.81	10.45	132.0	0.9	33.61	8.26	3
						6.80	16.72	10.73	135.3	0.8	33.63	8.24	4
							16.72	10.70	134.9	0.8	33.64	8.24	2
10:11	W7	ME	820 055	810 523	6.4	1.00	17.12	9.26	116.5	0.6	32.09	7.94	3
							17.12	9.25	116.5	0.6	32.28	8.01	3
						3.20	16.99	9.88	124.5	1.4	32.76	8.17	3
							16.95	10.10	127.4	1.3	32.94	8.22	2
						5.40	16.90	10.03	126.5	2.4	33.23	8.24	2
							16.90	10.01	126.3	2.4	33.24	8.24	3
10:38	W8	ME	821 328	810 240	9.1	1.00	17.05	8.29	105.3	0.7	33.69	8.31	4
							17.04	8.43	106.9	0.7	33.69	8.31	5
						4.55	16.72	10.66	134.5	0.7	33.73	8.29	4
							16.73	10.66	134.5	0.7	33.72	8.28	3
						8.10	16.67	10.93	137.7	1.8	33.72	8.25	3
							16.67	10.82	136.4	1.6	33.72	8.25	4
11:55	W9	ME	819 045	807 953	9.2	1.00	16.56	8.43	106.3	1.1	34.18	8.17	3
							16.56	8.43	106.3	1.1	34.17	8.17	3
						4.60	16.39	8.98	112.9	1.2	34.16	8.15	4
							16.38	9.04	113.6	1.2	34.16	8.14	2
						8.20	16.35	9.17	115.1	10.2	34.16	8.12	3
							16.35	9.17	115.1	10.8	34.16	8.12	2

Remarks: MF - Middle Flood tida
ME - Middle Ebb tida

Laboratory Data Sheet

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1400096**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **Bentam@fordbusiness.com**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **04-JAN-2014**		
Order number	: **----**			*Date of issue*	: **13-JAN-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**86**
Site	: **----**				- *Analysed*	:	**86**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400096 supersedes any previous reports with this reference. The completion date of analysis is 10-JAN-2014. 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 HK1400096 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[04-JAN-2014]	HK1400096-003		**2**				
W1/M/MID-EBB	[04-JAN-2014]	HK1400096-004		**3**				
W2/M/MID-EBB	[04-JAN-2014]	HK1400096-009		**4**				
W2/M/MID-EBB	[04-JAN-2014]	HK1400096-010		**3**				
W3/S/MID-EBB	[04-JAN-2014]	HK1400096-013		**4**				
W3/S/MID-EBB	[04-JAN-2014]	HK1400096-014		**3**				
W3/M/MID-EBB	[04-JAN-2014]	HK1400096-015		**3**				
W3/M/MID-EBB	[04-JAN-2014]	HK1400096-016		**3**				
W3/B/MID-EBB	[04-JAN-2014]	HK1400096-017		**3**				
W3/B/MID-EBB	[04-JAN-2014]	HK1400096-018		**4**				
W4/S/MID-EBB	[04-JAN-2014]	HK1400096-019		**5**				
W4/S/MID-EBB	[04-JAN-2014]	HK1400096-020		**4**				
W4/M/MID-EBB	[04-JAN-2014]	HK1400096-021		**3**				
W4/M/MID-EBB	[04-JAN-2014]	HK1400096-022		**4**				
W4/B/MID-EBB	[04-JAN-2014]	HK1400096-023		**3**				
W4/B/MID-EBB	[04-JAN-2014]	HK1400096-024		**3**				
W5/S/MID-EBB	[04-JAN-2014]	HK1400096-025		**3**				
W5/S/MID-EBB	[04-JAN-2014]	HK1400096-026		**3**				
W5/B/MID-EBB	[04-JAN-2014]	HK1400096-029		**6**				
W5/B/MID-EBB	[04-JAN-2014]	HK1400096-030		**5**				
W6/S/MID-EBB	[04-JAN-2014]	HK1400096-031		**2**				
W6/S/MID-EBB	[04-JAN-2014]	HK1400096-032		**3**				
W6/M/MID-EBB	[04-JAN-2014]	HK1400096-033		**3**				
W6/M/MID-EBB	[04-JAN-2014]	HK1400096-034		**3**				
W6/B/MID-EBB	[04-JAN-2014]	HK1400096-035		**3**				
W6/B/MID-EBB	[04-JAN-2014]	HK1400096-036		**3**				
W7/S/MID-EBB	[04-JAN-2014]	HK1400096-037		**4**				
W7/S/MID-EBB	[04-JAN-2014]	HK1400096-038		**2**				
W7/M/MID-EBB	[04-JAN-2014]	HK1400096-039		**4**				
W7/M/MID-EBB	[04-JAN-2014]	HK1400096-040		**3**				
W7/B/MID-EBB	[04-JAN-2014]	HK1400096-041		**3**				
W7/B/MID-EBB	[04-JAN-2014]	HK1400096-042		**3**				
W8/S/MID-EBB	[04-JAN-2014]	HK1400096-043		**3**				
W8/S/MID-EBB	[04-JAN-2014]	HK1400096-044		**2**				
W8/M/MID-EBB	[04-JAN-2014]	HK1400096-045		**2**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/M/MID-EBB	[04-JAN-2014]	HK1400096-046		**3**				
W8/B/MID-EBB	[04-JAN-2014]	HK1400096-047		**2**				
W8/B/MID-EBB	[04-JAN-2014]	HK1400096-048		**4**				
W9/S/MID-EBB	[04-JAN-2014]	HK1400096-049		**3**				
W9/S/MID-EBB	[04-JAN-2014]	HK1400096-050		**3**				
W9/M/MID-EBB	[04-JAN-2014]	HK1400096-051		**4**				
W9/M/MID-EBB	[04-JAN-2014]	HK1400096-052		**5**				
W9/B/MID-EBB	[04-JAN-2014]	HK1400096-053		**5**				
W9/B/MID-EBB	[04-JAN-2014]	HK1400096-054		**5**				
W1/M/MID-FLOOD	[04-JAN-2014]	HK1400096-057		**7**				
W1/M/MID-FLOOD	[04-JAN-2014]	HK1400096-058		**7**				
W2/M/MID-FLOOD	[04-JAN-2014]	HK1400096-063		**5**				
W2/M/MID-FLOOD	[04-JAN-2014]	HK1400096-064		**5**				
W3/S/MID-FLOOD	[04-JAN-2014]	HK1400096-067		**4**				
W3/S/MID-FLOOD	[04-JAN-2014]	HK1400096-068		**4**				
W3/M/MID-FLOOD	[04-JAN-2014]	HK1400096-069		**4**				
W3/M/MID-FLOOD	[04-JAN-2014]	HK1400096-070		**6**				
W3/B/MID-FLOOD	[04-JAN-2014]	HK1400096-071		**5**				
W3/B/MID-FLOOD	[04-JAN-2014]	HK1400096-072		**6**				
W4/S/MID-FLOOD	[04-JAN-2014]	HK1400096-073		**5**				
W4/S/MID-FLOOD	[04-JAN-2014]	HK1400096-074		**6**				
W4/M/MID-FLOOD	[04-JAN-2014]	HK1400096-075		**4**				
W4/M/MID-FLOOD	[04-JAN-2014]	HK1400096-076		**5**				
W4/B/MID-FLOOD	[04-JAN-2014]	HK1400096-077		**4**				
W4/B/MID-FLOOD	[04-JAN-2014]	HK1400096-078		**6**				
W5/S/MID-FLOOD	[04-JAN-2014]	HK1400096-079		**3**				
W5/S/MID-FLOOD	[04-JAN-2014]	HK1400096-080		**3**				
W5/B/MID-FLOOD	[04-JAN-2014]	HK1400096-083		**4**				
W5/B/MID-FLOOD	[04-JAN-2014]	HK1400096-084		**4**				
W6/S/MID-FLOOD	[04-JAN-2014]	HK1400096-085		**4**				
W6/S/MID-FLOOD	[04-JAN-2014]	HK1400096-086		**2**				
W6/B/MID-FLOOD	[04-JAN-2014]	HK1400096-089		**4**				
W6/B/MID-FLOOD	[04-JAN-2014]	HK1400096-090		**3**				
W7/S/MID-FLOOD	[04-JAN-2014]	HK1400096-091		**6**				
W7/S/MID-FLOOD	[04-JAN-2014]	HK1400096-092		**7**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/M/MID-FLOOD	[04-JAN-2014]	HK1400096-093		**6**				
W7/M/MID-FLOOD	[04-JAN-2014]	HK1400096-094		**7**				
W7/B/MID-FLOOD	[04-JAN-2014]	HK1400096-095		**8**				
W7/B/MID-FLOOD	[04-JAN-2014]	HK1400096-096		**7**				
W8/S/MID-FLOOD	[04-JAN-2014]	HK1400096-097		**4**				
W8/S/MID-FLOOD	[04-JAN-2014]	HK1400096-098		**5**				
W8/M/MID-FLOOD	[04-JAN-2014]	HK1400096-099		**4**				
W8/M/MID-FLOOD	[04-JAN-2014]	HK1400096-100		**5**				
W8/B/MID-FLOOD	[04-JAN-2014]	HK1400096-101		**5**				
W8/B/MID-FLOOD	[04-JAN-2014]	HK1400096-102		**4**				
W9/S/MID-FLOOD	[04-JAN-2014]	HK1400096-103		**6**				
W9/S/MID-FLOOD	[04-JAN-2014]	HK1400096-104		**6**				
W9/M/MID-FLOOD	[04-JAN-2014]	HK1400096-105		**4**				
W9/M/MID-FLOOD	[04-JAN-2014]	HK1400096-106		**5**				
W9/B/MID-FLOOD	[04-JAN-2014]	HK1400096-107		**5**				
W9/B/MID-FLOOD	[04-JAN-2014]	HK1400096-108		**6**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3243133)								
HK1400096-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	2	0.0
HK1400096-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243134)								
HK1400096-031	W6/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	3	0.0
HK1400096-041	W7/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243135)								
HK1400096-051	W9/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400096-069	W3/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243136)								
HK1400096-079	W5/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400096-093	W7/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243137)								
HK1400096-103	W9/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3243133)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243134)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243135)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243136)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	88.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243137)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1400258**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **Bentam@fordbusiness.com**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **07-JAN-2014**		
Order number	: **----**			*Date of issue*	: **15-JAN-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**88**
Site	: **----**				- *Analysed*	:	**88**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400258 supersedes any previous reports with this reference. The completion date of analysis is 13-JAN-2014. 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 HK1400258 : Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[07-JAN-2014]	HK1400258-003		4				
W1/M/MID-EBB	[07-JAN-2014]	HK1400258-004		4				
W2/M/MID-EBB	[07-JAN-2014]	HK1400258-009		8				
W2/M/MID-EBB	[07-JAN-2014]	HK1400258-010		6				
W3/S/MID-EBB	[07-JAN-2014]	HK1400258-013		8				
W3/S/MID-EBB	[07-JAN-2014]	HK1400258-014		8				
W3/M/MID-EBB	[07-JAN-2014]	HK1400258-015		6				
W3/M/MID-EBB	[07-JAN-2014]	HK1400258-016		7				
W3/B/MID-EBB	[07-JAN-2014]	HK1400258-017		7				
W3/B/MID-EBB	[07-JAN-2014]	HK1400258-018		7				
W4/S/MID-EBB	[07-JAN-2014]	HK1400258-019		4				
W4/S/MID-EBB	[07-JAN-2014]	HK1400258-020		6				
W4/M/MID-EBB	[07-JAN-2014]	HK1400258-021		5				
W4/M/MID-EBB	[07-JAN-2014]	HK1400258-022		5				
W4/B/MID-EBB	[07-JAN-2014]	HK1400258-023		7				
W4/B/MID-EBB	[07-JAN-2014]	HK1400258-024		8				
W5/S/MID-EBB	[07-JAN-2014]	HK1400258-025		6				
W5/S/MID-EBB	[07-JAN-2014]	HK1400258-026		6				
W5/B/MID-EBB	[07-JAN-2014]	HK1400258-029		5				
W5/B/MID-EBB	[07-JAN-2014]	HK1400258-030		5				
W6/S/MID-EBB	[07-JAN-2014]	HK1400258-031		4				
W6/S/MID-EBB	[07-JAN-2014]	HK1400258-032		4				
W6/M/MID-EBB	[07-JAN-2014]	HK1400258-033		5				
W6/M/MID-EBB	[07-JAN-2014]	HK1400258-034		3				
W6/B/MID-EBB	[07-JAN-2014]	HK1400258-035		5				
W6/B/MID-EBB	[07-JAN-2014]	HK1400258-036		4				
W7/S/MID-EBB	[07-JAN-2014]	HK1400258-037		4				
W7/S/MID-EBB	[07-JAN-2014]	HK1400258-038		3				
W7/M/MID-EBB	[07-JAN-2014]	HK1400258-039		2				
W7/M/MID-EBB	[07-JAN-2014]	HK1400258-040		4				
W7/B/MID-EBB	[07-JAN-2014]	HK1400258-041		4				
W7/B/MID-EBB	[07-JAN-2014]	HK1400258-042		5				
W8/S/MID-EBB	[07-JAN-2014]	HK1400258-043		6				
W8/S/MID-EBB	[07-JAN-2014]	HK1400258-044		5				
W8/M/MID-EBB	[07-JAN-2014]	HK1400258-045		6				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/M/MID-EBB	[07-JAN-2014]	HK1400258-046		**4**				
W8/B/MID-EBB	[07-JAN-2014]	HK1400258-047		**7**				
W8/B/MID-EBB	[07-JAN-2014]	HK1400258-048		**6**				
W9/S/MID-EBB	[07-JAN-2014]	HK1400258-049		**8**				
W9/S/MID-EBB	[07-JAN-2014]	HK1400258-050		**7**				
W9/M/MID-EBB	[07-JAN-2014]	HK1400258-051		**7**				
W9/M/MID-EBB	[07-JAN-2014]	HK1400258-052		**7**				
W9/B/MID-EBB	[07-JAN-2014]	HK1400258-053		**7**				
W9/B/MID-EBB	[07-JAN-2014]	HK1400258-054		**8**				
W1/M/MID-FLOOD	[07-JAN-2014]	HK1400258-057		**6**				
W1/M/MID-FLOOD	[07-JAN-2014]	HK1400258-058		**6**				
W2/M/MID-FLOOD	[07-JAN-2014]	HK1400258-063		**6**				
W2/M/MID-FLOOD	[07-JAN-2014]	HK1400258-064		**6**				
W3/S/MID-FLOOD	[07-JAN-2014]	HK1400258-067		**7**				
W3/S/MID-FLOOD	[07-JAN-2014]	HK1400258-068		**8**				
W3/M/MID-FLOOD	[07-JAN-2014]	HK1400258-069		**8**				
W3/M/MID-FLOOD	[07-JAN-2014]	HK1400258-070		**8**				
W3/B/MID-FLOOD	[07-JAN-2014]	HK1400258-071		**9**				
W3/B/MID-FLOOD	[07-JAN-2014]	HK1400258-072		**8**				
W4/S/MID-FLOOD	[07-JAN-2014]	HK1400258-073		**10**				
W4/S/MID-FLOOD	[07-JAN-2014]	HK1400258-074		**9**				
W4/M/MID-FLOOD	[07-JAN-2014]	HK1400258-075		**11**				
W4/M/MID-FLOOD	[07-JAN-2014]	HK1400258-076		**10**				
W4/B/MID-FLOOD	[07-JAN-2014]	HK1400258-077		**13**				
W4/B/MID-FLOOD	[07-JAN-2014]	HK1400258-078		**12**				
W5/S/MID-FLOOD	[07-JAN-2014]	HK1400258-079		**6**				
W5/S/MID-FLOOD	[07-JAN-2014]	HK1400258-080		**6**				
W5/B/MID-FLOOD	[07-JAN-2014]	HK1400258-083		**5**				
W5/B/MID-FLOOD	[07-JAN-2014]	HK1400258-084		**6**				
W6/S/MID-FLOOD	[07-JAN-2014]	HK1400258-085		**2**				
W6/S/MID-FLOOD	[07-JAN-2014]	HK1400258-086		**3**				
W6/M/MID-FLOOD	[07-JAN-2014]	HK1400258-087		**3**				
W6/M/MID-FLOOD	[07-JAN-2014]	HK1400258-088		**4**				
W6/B/MID-FLOOD	[07-JAN-2014]	HK1400258-089		**4**				
W6/B/MID-FLOOD	[07-JAN-2014]	HK1400258-090		**4**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/S/MID-FLOOD	[07-JAN-2014]	HK1400258-091		**6**				
W7/S/MID-FLOOD	[07-JAN-2014]	HK1400258-092		**7**				
W7/M/MID-FLOOD	[07-JAN-2014]	HK1400258-093		**5**				
W7/M/MID-FLOOD	[07-JAN-2014]	HK1400258-094		**7**				
W7/B/MID-FLOOD	[07-JAN-2014]	HK1400258-095		**7**				
W7/B/MID-FLOOD	[07-JAN-2014]	HK1400258-096		**8**				
W8/S/MID-FLOOD	[07-JAN-2014]	HK1400258-097		**6**				
W8/S/MID-FLOOD	[07-JAN-2014]	HK1400258-098		**5**				
W8/M/MID-FLOOD	[07-JAN-2014]	HK1400258-099		**6**				
W8/M/MID-FLOOD	[07-JAN-2014]	HK1400258-100		**7**				
W8/B/MID-FLOOD	[07-JAN-2014]	HK1400258-101		**10**				
W8/B/MID-FLOOD	[07-JAN-2014]	HK1400258-102		**10**				
W9/S/MID-FLOOD	[07-JAN-2014]	HK1400258-103		**18**				
W9/S/MID-FLOOD	[07-JAN-2014]	HK1400258-104		**18**				
W9/M/MID-FLOOD	[07-JAN-2014]	HK1400258-105		**17**				
W9/M/MID-FLOOD	[07-JAN-2014]	HK1400258-106		**17**				
W9/B/MID-FLOOD	[07-JAN-2014]	HK1400258-107		**26**				
W9/B/MID-FLOOD	[07-JAN-2014]	HK1400258-108		**26**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3243140)								
HK1400258-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400258-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243141)								
HK1400258-031	W6/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	5	0.0
HK1400258-041	W7/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243142)								
HK1400258-051	W9/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	7	8	0.0
HK1400258-069	W3/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243143)								
HK1400258-079	W5/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
HK1400258-091	W7/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3243144)								
HK1400258-101	W8/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	10	10	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3243140)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243141)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	103	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243142)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243143)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3243144)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1400262**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **Bentam@fordbusiness.com**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **09-JAN-2014**		
Order number	: **----**			*Date of issue*	: **16-JAN-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**84**
Site	: **----**				- *Analysed*	:	**84**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400262 supersedes any previous reports with this reference. The completion date of analysis is 14-JAN-2014. 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 HK1400262 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[09-JAN-2014]	HK1400262-003		4				
W1/M/MID-EBB	[09-JAN-2014]	HK1400262-004		3				
W2/M/MID-EBB	[09-JAN-2014]	HK1400262-009		3				
W2/M/MID-EBB	[09-JAN-2014]	HK1400262-010		3				
W3/S/MID-EBB	[09-JAN-2014]	HK1400262-013		4				
W3/S/MID-EBB	[09-JAN-2014]	HK1400262-014		5				
W3/M/MID-EBB	[09-JAN-2014]	HK1400262-015		4				
W3/M/MID-EBB	[09-JAN-2014]	HK1400262-016		5				
W3/B/MID-EBB	[09-JAN-2014]	HK1400262-017		5				
W3/B/MID-EBB	[09-JAN-2014]	HK1400262-018		3				
W4/S/MID-EBB	[09-JAN-2014]	HK1400262-019		3				
W4/S/MID-EBB	[09-JAN-2014]	HK1400262-020		3				
W4/M/MID-EBB	[09-JAN-2014]	HK1400262-021		3				
W4/M/MID-EBB	[09-JAN-2014]	HK1400262-022		3				
W4/B/MID-EBB	[09-JAN-2014]	HK1400262-023		3				
W4/B/MID-EBB	[09-JAN-2014]	HK1400262-024		2				
W5/M/MID-EBB	[09-JAN-2014]	HK1400262-027		2				
W5/M/MID-EBB	[09-JAN-2014]	HK1400262-028		2				
W6/S/MID-EBB	[09-JAN-2014]	HK1400262-031		2				
W6/S/MID-EBB	[09-JAN-2014]	HK1400262-032		3				
W6/M/MID-EBB	[09-JAN-2014]	HK1400262-033		3				
W6/M/MID-EBB	[09-JAN-2014]	HK1400262-034		2				
W6/B/MID-EBB	[09-JAN-2014]	HK1400262-035		2				
W6/B/MID-EBB	[09-JAN-2014]	HK1400262-036		2				
W7/S/MID-EBB	[09-JAN-2014]	HK1400262-037		2				
W7/S/MID-EBB	[09-JAN-2014]	HK1400262-038		2				
W7/M/MID-EBB	[09-JAN-2014]	HK1400262-039		2				
W7/M/MID-EBB	[09-JAN-2014]	HK1400262-040		2				
W7/B/MID-EBB	[09-JAN-2014]	HK1400262-041		3				
W7/B/MID-EBB	[09-JAN-2014]	HK1400262-042		2				
W8/S/MID-EBB	[09-JAN-2014]	HK1400262-043		3				
W8/S/MID-EBB	[09-JAN-2014]	HK1400262-044		2				
W8/M/MID-EBB	[09-JAN-2014]	HK1400262-045		2				
W8/M/MID-EBB	[09-JAN-2014]	HK1400262-046		2				
W8/B/MID-EBB	[09-JAN-2014]	HK1400262-047		3				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[09-JAN-2014]	HK1400262-048		**3**				
W9/S/MID-EBB	[09-JAN-2014]	HK1400262-049		**4**				
W9/S/MID-EBB	[09-JAN-2014]	HK1400262-050		**3**				
W9/M/MID-EBB	[09-JAN-2014]	HK1400262-051		**4**				
W9/M/MID-EBB	[09-JAN-2014]	HK1400262-052		**5**				
W9/B/MID-EBB	[09-JAN-2014]	HK1400262-053		**5**				
W9/B/MID-EBB	[09-JAN-2014]	HK1400262-054		**4**				
W1/M/MID-FLOOD	[09-JAN-2014]	HK1400262-057		**2**				
W1/M/MID-FLOOD	[09-JAN-2014]	HK1400262-058		**2**				
W2/M/MID-FLOOD	[09-JAN-2014]	HK1400262-063		**3**				
W2/M/MID-FLOOD	[09-JAN-2014]	HK1400262-064		**2**				
W3/S/MID-FLOOD	[09-JAN-2014]	HK1400262-067		**3**				
W3/S/MID-FLOOD	[09-JAN-2014]	HK1400262-068		**4**				
W3/M/MID-FLOOD	[09-JAN-2014]	HK1400262-069		**3**				
W3/M/MID-FLOOD	[09-JAN-2014]	HK1400262-070		**3**				
W3/B/MID-FLOOD	[09-JAN-2014]	HK1400262-071		**3**				
W3/B/MID-FLOOD	[09-JAN-2014]	HK1400262-072		**3**				
W4/S/MID-FLOOD	[09-JAN-2014]	HK1400262-073		**4**				
W4/S/MID-FLOOD	[09-JAN-2014]	HK1400262-074		**4**				
W4/M/MID-FLOOD	[09-JAN-2014]	HK1400262-075		**4**				
W4/M/MID-FLOOD	[09-JAN-2014]	HK1400262-076		**5**				
W4/B/MID-FLOOD	[09-JAN-2014]	HK1400262-077		**5**				
W4/B/MID-FLOOD	[09-JAN-2014]	HK1400262-078		**4**				
W5/M/MID-FLOOD	[09-JAN-2014]	HK1400262-081		**4**				
W5/M/MID-FLOOD	[09-JAN-2014]	HK1400262-082		**4**				
W6/S/MID-FLOOD	[09-JAN-2014]	HK1400262-085		**3**				
W6/S/MID-FLOOD	[09-JAN-2014]	HK1400262-086		**3**				
W6/M/MID-FLOOD	[09-JAN-2014]	HK1400262-087		**3**				
W6/M/MID-FLOOD	[09-JAN-2014]	HK1400262-088		**2**				
W6/B/MID-FLOOD	[09-JAN-2014]	HK1400262-089		**3**				
W6/B/MID-FLOOD	[09-JAN-2014]	HK1400262-090		**3**				
W7/S/MID-FLOOD	[09-JAN-2014]	HK1400262-091		**2**				
W7/S/MID-FLOOD	[09-JAN-2014]	HK1400262-092		**2**				
W7/M/MID-FLOOD	[09-JAN-2014]	HK1400262-093		**2**				
W7/M/MID-FLOOD	[09-JAN-2014]	HK1400262-094		**2**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[09-JAN-2014]	HK1400262-095		**2**				
W7/B/MID-FLOOD	[09-JAN-2014]	HK1400262-096		**2**				
W8/S/MID-FLOOD	[09-JAN-2014]	HK1400262-097		**2**				
W8/S/MID-FLOOD	[09-JAN-2014]	HK1400262-098		**2**				
W8/M/MID-FLOOD	[09-JAN-2014]	HK1400262-099		**2**				
W8/M/MID-FLOOD	[09-JAN-2014]	HK1400262-100		**3**				
W8/B/MID-FLOOD	[09-JAN-2014]	HK1400262-101		**3**				
W8/B/MID-FLOOD	[09-JAN-2014]	HK1400262-102		**2**				
W9/S/MID-FLOOD	[09-JAN-2014]	HK1400262-103		**2**				
W9/S/MID-FLOOD	[09-JAN-2014]	HK1400262-104		**3**				
W9/M/MID-FLOOD	[09-JAN-2014]	HK1400262-105		**3**				
W9/M/MID-FLOOD	[09-JAN-2014]	HK1400262-106		**3**				
W9/B/MID-FLOOD	[09-JAN-2014]	HK1400262-107		**3**				
W9/B/MID-FLOOD	[09-JAN-2014]	HK1400262-108		**3**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3249082)								
HK1400262-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
HK1400262-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249083)								
HK1400262-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400262-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249084)								
HK1400262-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
HK1400262-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249085)								
HK1400262-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400262-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	2	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3249086)								
HK1400262-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3249082)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3249083)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3249084)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3249085)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3249086)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1401837**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
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Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **30-JAN-2014**		
Order number	: **----**			*Date of issue*	: **11-FEB-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**84**
Site	: **----**				- *Analysed*	:	**84**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401837 supersedes any previous reports with this reference. The completion date of analysis is 05-FEB-2014. 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 HK1401837 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)				
	LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[29-JAN-2014]	HK1401837-003	4				
W1/M/MID-EBB	[29-JAN-2014]	HK1401837-004	4				
W2/M/MID-EBB	[29-JAN-2014]	HK1401837-009	3				
W2/M/MID-EBB	[29-JAN-2014]	HK1401837-010	4				
W3/S/MID-EBB	[29-JAN-2014]	HK1401837-013	3				
W3/S/MID-EBB	[29-JAN-2014]	HK1401837-014	4				
W3/M/MID-EBB	[29-JAN-2014]	HK1401837-015	2				
W3/M/MID-EBB	[29-JAN-2014]	HK1401837-016	3				
W3/B/MID-EBB	[29-JAN-2014]	HK1401837-017	4				
W3/B/MID-EBB	[29-JAN-2014]	HK1401837-018	4				
W4/S/MID-EBB	[29-JAN-2014]	HK1401837-019	4				
W4/S/MID-EBB	[29-JAN-2014]	HK1401837-020	2				
W4/M/MID-EBB	[29-JAN-2014]	HK1401837-021	3				
W4/M/MID-EBB	[29-JAN-2014]	HK1401837-022	3				
W4/B/MID-EBB	[29-JAN-2014]	HK1401837-023	2				
W4/B/MID-EBB	[29-JAN-2014]	HK1401837-024	2				
W5/M/MID-EBB	[29-JAN-2014]	HK1401837-027	3				
W5/M/MID-EBB	[29-JAN-2014]	HK1401837-028	3				
W6/S/MID-EBB	[29-JAN-2014]	HK1401837-031	2				
W6/S/MID-EBB	[29-JAN-2014]	HK1401837-032	4				
W6/M/MID-EBB	[29-JAN-2014]	HK1401837-033	3				
W6/M/MID-EBB	[29-JAN-2014]	HK1401837-034	3				
W6/B/MID-EBB	[29-JAN-2014]	HK1401837-035	4				
W6/B/MID-EBB	[29-JAN-2014]	HK1401837-036	2				
W7/S/MID-EBB	[29-JAN-2014]	HK1401837-037	3				
W7/S/MID-EBB	[29-JAN-2014]	HK1401837-038	3				
W7/M/MID-EBB	[29-JAN-2014]	HK1401837-039	3				
W7/M/MID-EBB	[29-JAN-2014]	HK1401837-040	2				
W7/B/MID-EBB	[29-JAN-2014]	HK1401837-041	2				
W7/B/MID-EBB	[29-JAN-2014]	HK1401837-042	3				
W8/S/MID-EBB	[29-JAN-2014]	HK1401837-043	4				
W8/S/MID-EBB	[29-JAN-2014]	HK1401837-044	5				
W8/M/MID-EBB	[29-JAN-2014]	HK1401837-045	4				
W8/M/MID-EBB	[29-JAN-2014]	HK1401837-046	3				
W8/B/MID-EBB	[29-JAN-2014]	HK1401837-047	3				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[29-JAN-2014]	HK1401837-048		**4**				
W9/S/MID-EBB	[29-JAN-2014]	HK1401837-049		**3**				
W9/S/MID-EBB	[29-JAN-2014]	HK1401837-050		**3**				
W9/M/MID-EBB	[29-JAN-2014]	HK1401837-051		**4**				
W9/M/MID-EBB	[29-JAN-2014]	HK1401837-052		**2**				
W9/B/MID-EBB	[29-JAN-2014]	HK1401837-053		**3**				
W9/B/MID-EBB	[29-JAN-2014]	HK1401837-054		**2**				
W1/M/MID-FLOOD	[29-JAN-2014]	HK1401837-057		**3**				
W1/M/MID-FLOOD	[29-JAN-2014]	HK1401837-058		**4**				
W2/M/MID-FLOOD	[29-JAN-2014]	HK1401837-063		**4**				
W2/M/MID-FLOOD	[29-JAN-2014]	HK1401837-064		**4**				
W3/S/MID-FLOOD	[29-JAN-2014]	HK1401837-067		**3**				
W3/S/MID-FLOOD	[29-JAN-2014]	HK1401837-068		**3**				
W3/M/MID-FLOOD	[29-JAN-2014]	HK1401837-069		**3**				
W3/M/MID-FLOOD	[29-JAN-2014]	HK1401837-070		**2**				
W3/B/MID-FLOOD	[29-JAN-2014]	HK1401837-071		**3**				
W3/B/MID-FLOOD	[29-JAN-2014]	HK1401837-072		**5**				
W4/S/MID-FLOOD	[29-JAN-2014]	HK1401837-073		**3**				
W4/S/MID-FLOOD	[29-JAN-2014]	HK1401837-074		**3**				
W4/M/MID-FLOOD	[29-JAN-2014]	HK1401837-075		**2**				
W4/M/MID-FLOOD	[29-JAN-2014]	HK1401837-076		**2**				
W4/B/MID-FLOOD	[29-JAN-2014]	HK1401837-077		**3**				
W4/B/MID-FLOOD	[29-JAN-2014]	HK1401837-078		**2**				
W5/M/MID-FLOOD	[29-JAN-2014]	HK1401837-081		**4**				
W5/M/MID-FLOOD	[29-JAN-2014]	HK1401837-082		**5**				
W6/S/MID-FLOOD	[29-JAN-2014]	HK1401837-085		**3**				
W6/S/MID-FLOOD	[29-JAN-2014]	HK1401837-086		**3**				
W6/M/MID-FLOOD	[29-JAN-2014]	HK1401837-087		**4**				
W6/M/MID-FLOOD	[29-JAN-2014]	HK1401837-088		**3**				
W6/B/MID-FLOOD	[29-JAN-2014]	HK1401837-089		**4**				
W6/B/MID-FLOOD	[29-JAN-2014]	HK1401837-090		**3**				
W7/S/MID-FLOOD	[29-JAN-2014]	HK1401837-091		**3**				
W7/S/MID-FLOOD	[29-JAN-2014]	HK1401837-092		**3**				
W7/M/MID-FLOOD	[29-JAN-2014]	HK1401837-093		**4**				
W7/M/MID-FLOOD	[29-JAN-2014]	HK1401837-094		**3**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[29-JAN-2014]	HK1401837-095		**3**				
W7/B/MID-FLOOD	[29-JAN-2014]	HK1401837-096		**4**				
W8/S/MID-FLOOD	[29-JAN-2014]	HK1401837-097		**2**				
W8/S/MID-FLOOD	[29-JAN-2014]	HK1401837-098		**3**				
W8/M/MID-FLOOD	[29-JAN-2014]	HK1401837-099		**5**				
W8/M/MID-FLOOD	[29-JAN-2014]	HK1401837-100		**4**				
W8/B/MID-FLOOD	[29-JAN-2014]	HK1401837-101		**3**				
W8/B/MID-FLOOD	[29-JAN-2014]	HK1401837-102		**5**				
W9/S/MID-FLOOD	[29-JAN-2014]	HK1401837-103		**2**				
W9/S/MID-FLOOD	[29-JAN-2014]	HK1401837-104		**2**				
W9/M/MID-FLOOD	[29-JAN-2014]	HK1401837-105		**3**				
W9/M/MID-FLOOD	[29-JAN-2014]	HK1401837-106		**3**				
W9/B/MID-FLOOD	[29-JAN-2014]	HK1401837-107		**4**				
W9/B/MID-FLOOD	[29-JAN-2014]	HK1401837-108		**2**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3281145)								
HK1401837-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
HK1401837-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281146)								
HK1401837-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401837-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281147)								
HK1401837-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401837-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281148)								
HK1401837-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401837-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3281149)								
HK1401837-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3281145)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3281146)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3281147)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3281148)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3281149)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1401836**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **Bentam@fordbusiness.com**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **28-JAN-2014**		
Order number	: **----**			*Date of issue*	: **10-FEB-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**84**
Site	: **----**				- *Analysed*	:	**84**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401836 supersedes any previous reports with this reference. The completion date of analysis is 29-JAN-2014. 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 HK1401836 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[27-JAN-2014]	HK1401836-003		3				
W1/M/MID-EBB	[27-JAN-2014]	HK1401836-004		3				
W2/M/MID-EBB	[27-JAN-2014]	HK1401836-009		7				
W2/M/MID-EBB	[27-JAN-2014]	HK1401836-010		6				
W3/S/MID-EBB	[27-JAN-2014]	HK1401836-013		3				
W3/S/MID-EBB	[27-JAN-2014]	HK1401836-014		3				
W3/M/MID-EBB	[27-JAN-2014]	HK1401836-015		3				
W3/M/MID-EBB	[27-JAN-2014]	HK1401836-016		3				
W3/B/MID-EBB	[27-JAN-2014]	HK1401836-017		4				
W3/B/MID-EBB	[27-JAN-2014]	HK1401836-018		5				
W4/S/MID-EBB	[27-JAN-2014]	HK1401836-019		5				
W4/S/MID-EBB	[27-JAN-2014]	HK1401836-020		4				
W4/M/MID-EBB	[27-JAN-2014]	HK1401836-021		5				
W4/M/MID-EBB	[27-JAN-2014]	HK1401836-022		4				
W4/B/MID-EBB	[27-JAN-2014]	HK1401836-023		4				
W4/B/MID-EBB	[27-JAN-2014]	HK1401836-024		4				
W5/M/MID-EBB	[27-JAN-2014]	HK1401836-027		3				
W5/M/MID-EBB	[27-JAN-2014]	HK1401836-028		2				
W6/S/MID-EBB	[27-JAN-2014]	HK1401836-031		3				
W6/S/MID-EBB	[27-JAN-2014]	HK1401836-032		2				
W6/M/MID-EBB	[27-JAN-2014]	HK1401836-033		4				
W6/M/MID-EBB	[27-JAN-2014]	HK1401836-034		4				
W6/B/MID-EBB	[27-JAN-2014]	HK1401836-035		3				
W6/B/MID-EBB	[27-JAN-2014]	HK1401836-036		3				
W7/S/MID-EBB	[27-JAN-2014]	HK1401836-037		2				
W7/S/MID-EBB	[27-JAN-2014]	HK1401836-038		3				
W7/M/MID-EBB	[27-JAN-2014]	HK1401836-039		2				
W7/M/MID-EBB	[27-JAN-2014]	HK1401836-040		3				
W7/B/MID-EBB	[27-JAN-2014]	HK1401836-041		3				
W7/B/MID-EBB	[27-JAN-2014]	HK1401836-042		4				
W8/S/MID-EBB	[27-JAN-2014]	HK1401836-043		3				
W8/S/MID-EBB	[27-JAN-2014]	HK1401836-044		3				
W8/M/MID-EBB	[27-JAN-2014]	HK1401836-045		2				
W8/M/MID-EBB	[27-JAN-2014]	HK1401836-046		4				
W8/B/MID-EBB	[27-JAN-2014]	HK1401836-047		3				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[27-JAN-2014]	HK1401836-048		**2**				
W9/S/MID-EBB	[27-JAN-2014]	HK1401836-049		**3**				
W9/S/MID-EBB	[27-JAN-2014]	HK1401836-050		**4**				
W9/M/MID-EBB	[27-JAN-2014]	HK1401836-051		**3**				
W9/M/MID-EBB	[27-JAN-2014]	HK1401836-052		**3**				
W9/B/MID-EBB	[27-JAN-2014]	HK1401836-053		**3**				
W9/B/MID-EBB	[27-JAN-2014]	HK1401836-054		**2**				
W1/M/MID-FLOOD	[27-JAN-2014]	HK1401836-057		**2**				
W1/M/MID-FLOOD	[27-JAN-2014]	HK1401836-058		**2**				
W2/M/MID-FLOOD	[27-JAN-2014]	HK1401836-063		**4**				
W2/M/MID-FLOOD	[27-JAN-2014]	HK1401836-064		**2**				
W3/S/MID-FLOOD	[27-JAN-2014]	HK1401836-067		**4**				
W3/S/MID-FLOOD	[27-JAN-2014]	HK1401836-068		**4**				
W3/M/MID-FLOOD	[27-JAN-2014]	HK1401836-069		**3**				
W3/M/MID-FLOOD	[27-JAN-2014]	HK1401836-070		**2**				
W3/B/MID-FLOOD	[27-JAN-2014]	HK1401836-071		**3**				
W3/B/MID-FLOOD	[27-JAN-2014]	HK1401836-072		**2**				
W4/S/MID-FLOOD	[27-JAN-2014]	HK1401836-073		**3**				
W4/S/MID-FLOOD	[27-JAN-2014]	HK1401836-074		**3**				
W4/M/MID-FLOOD	[27-JAN-2014]	HK1401836-075		**3**				
W4/M/MID-FLOOD	[27-JAN-2014]	HK1401836-076		**3**				
W4/B/MID-FLOOD	[27-JAN-2014]	HK1401836-077		**3**				
W4/B/MID-FLOOD	[27-JAN-2014]	HK1401836-078		**2**				
W5/M/MID-FLOOD	[27-JAN-2014]	HK1401836-081		**3**				
W5/M/MID-FLOOD	[27-JAN-2014]	HK1401836-082		**5**				
W6/S/MID-FLOOD	[27-JAN-2014]	HK1401836-085		**3**				
W6/S/MID-FLOOD	[27-JAN-2014]	HK1401836-086		**2**				
W6/M/MID-FLOOD	[27-JAN-2014]	HK1401836-087		**2**				
W6/M/MID-FLOOD	[27-JAN-2014]	HK1401836-088		**3**				
W6/B/MID-FLOOD	[27-JAN-2014]	HK1401836-089		**3**				
W6/B/MID-FLOOD	[27-JAN-2014]	HK1401836-090		**2**				
W7/S/MID-FLOOD	[27-JAN-2014]	HK1401836-091		**2**				
W7/S/MID-FLOOD	[27-JAN-2014]	HK1401836-092		**2**				
W7/M/MID-FLOOD	[27-JAN-2014]	HK1401836-093		**3**				
W7/M/MID-FLOOD	[27-JAN-2014]	HK1401836-094		**2**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[27-JAN-2014]	HK1401836-095		**3**				
W7/B/MID-FLOOD	[27-JAN-2014]	HK1401836-096		**2**				
W8/S/MID-FLOOD	[27-JAN-2014]	HK1401836-097		**3**				
W8/S/MID-FLOOD	[27-JAN-2014]	HK1401836-098		**3**				
W8/M/MID-FLOOD	[27-JAN-2014]	HK1401836-099		**3**				
W8/M/MID-FLOOD	[27-JAN-2014]	HK1401836-100		**2**				
W8/B/MID-FLOOD	[27-JAN-2014]	HK1401836-101		**3**				
W8/B/MID-FLOOD	[27-JAN-2014]	HK1401836-102		**3**				
W9/S/MID-FLOOD	[27-JAN-2014]	HK1401836-103		**2**				
W9/S/MID-FLOOD	[27-JAN-2014]	HK1401836-104		**3**				
W9/M/MID-FLOOD	[27-JAN-2014]	HK1401836-105		**3**				
W9/M/MID-FLOOD	[27-JAN-2014]	HK1401836-106		**3**				
W9/B/MID-FLOOD	[27-JAN-2014]	HK1401836-107		**3**				
W9/B/MID-FLOOD	[27-JAN-2014]	HK1401836-108		**3**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3271356)								
HK1401836-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401836-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271357)								
HK1401836-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401836-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271358)								
HK1401836-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401836-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271359)								
HK1401836-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401836-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271360)								
HK1401836-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3271356)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271357)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271358)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271359)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271360)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1401831**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **Bentam@fordbusiness.com**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **27-JAN-2014**		
Order number	: **----**			*Date of issue*	: **07-FEB-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**84**
Site	: **----**				- *Analysed*	:	**84**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401831 supersedes any previous reports with this reference. The completion date of analysis is 29-JAN-2014. 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 HK1401831 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)				
	LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[25-JAN-2014]	HK1401831-003	2				
W1/M/MID-EBB	[25-JAN-2014]	HK1401831-004	2				
W2/M/MID-EBB	[25-JAN-2014]	HK1401831-009	4				
W2/M/MID-EBB	[25-JAN-2014]	HK1401831-010	2				
W3/S/MID-EBB	[25-JAN-2014]	HK1401831-013	4				
W3/S/MID-EBB	[25-JAN-2014]	HK1401831-014	3				
W3/M/MID-EBB	[25-JAN-2014]	HK1401831-015	5				
W3/M/MID-EBB	[25-JAN-2014]	HK1401831-016	4				
W3/B/MID-EBB	[25-JAN-2014]	HK1401831-017	7				
W3/B/MID-EBB	[25-JAN-2014]	HK1401831-018	5				
W4/S/MID-EBB	[25-JAN-2014]	HK1401831-019	4				
W4/S/MID-EBB	[25-JAN-2014]	HK1401831-020	3				
W4/M/MID-EBB	[25-JAN-2014]	HK1401831-021	2				
W4/M/MID-EBB	[25-JAN-2014]	HK1401831-022	2				
W4/B/MID-EBB	[25-JAN-2014]	HK1401831-023	2				
W4/B/MID-EBB	[25-JAN-2014]	HK1401831-024	2				
W5/M/MID-EBB	[25-JAN-2014]	HK1401831-027	3				
W5/M/MID-EBB	[25-JAN-2014]	HK1401831-028	4				
W6/S/MID-EBB	[25-JAN-2014]	HK1401831-031	3				
W6/S/MID-EBB	[25-JAN-2014]	HK1401831-032	3				
W6/M/MID-EBB	[25-JAN-2014]	HK1401831-033	2				
W6/M/MID-EBB	[25-JAN-2014]	HK1401831-034	3				
W6/B/MID-EBB	[25-JAN-2014]	HK1401831-035	3				
W6/B/MID-EBB	[25-JAN-2014]	HK1401831-036	3				
W7/S/MID-EBB	[25-JAN-2014]	HK1401831-037	2				
W7/S/MID-EBB	[25-JAN-2014]	HK1401831-038	2				
W7/M/MID-EBB	[25-JAN-2014]	HK1401831-039	2				
W7/M/MID-EBB	[25-JAN-2014]	HK1401831-040	3				
W7/B/MID-EBB	[25-JAN-2014]	HK1401831-041	3				
W7/B/MID-EBB	[25-JAN-2014]	HK1401831-042	3				
W8/S/MID-EBB	[25-JAN-2014]	HK1401831-043	3				
W8/S/MID-EBB	[25-JAN-2014]	HK1401831-044	4				
W8/M/MID-EBB	[25-JAN-2014]	HK1401831-045	4				
W8/M/MID-EBB	[25-JAN-2014]	HK1401831-046	3				
W8/B/MID-EBB	[25-JAN-2014]	HK1401831-047	2				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[25-JAN-2014]	HK1401831-048		**2**				
W9/S/MID-EBB	[25-JAN-2014]	HK1401831-049		**3**				
W9/S/MID-EBB	[25-JAN-2014]	HK1401831-050		**3**				
W9/M/MID-EBB	[25-JAN-2014]	HK1401831-051		**2**				
W9/M/MID-EBB	[25-JAN-2014]	HK1401831-052		**3**				
W9/B/MID-EBB	[25-JAN-2014]	HK1401831-053		**3**				
W9/B/MID-EBB	[25-JAN-2014]	HK1401831-054		**3**				
W1/M/MID-FLOOD	[25-JAN-2014]	HK1401831-057		**2**				
W1/M/MID-FLOOD	[25-JAN-2014]	HK1401831-058		**2**				
W2/M/MID-FLOOD	[25-JAN-2014]	HK1401831-063		**3**				
W2/M/MID-FLOOD	[25-JAN-2014]	HK1401831-064		**2**				
W3/S/MID-FLOOD	[25-JAN-2014]	HK1401831-067		**5**				
W3/S/MID-FLOOD	[25-JAN-2014]	HK1401831-068		**3**				
W3/M/MID-FLOOD	[25-JAN-2014]	HK1401831-069		**5**				
W3/M/MID-FLOOD	[25-JAN-2014]	HK1401831-070		**4**				
W3/B/MID-FLOOD	[25-JAN-2014]	HK1401831-071		**4**				
W3/B/MID-FLOOD	[25-JAN-2014]	HK1401831-072		**5**				
W4/S/MID-FLOOD	[25-JAN-2014]	HK1401831-073		**5**				
W4/S/MID-FLOOD	[25-JAN-2014]	HK1401831-074		**7**				
W4/M/MID-FLOOD	[25-JAN-2014]	HK1401831-075		**6**				
W4/M/MID-FLOOD	[25-JAN-2014]	HK1401831-076		**6**				
W4/B/MID-FLOOD	[25-JAN-2014]	HK1401831-077		**6**				
W4/B/MID-FLOOD	[25-JAN-2014]	HK1401831-078		**7**				
W5/M/MID-FLOOD	[25-JAN-2014]	HK1401831-081		**3**				
W5/M/MID-FLOOD	[25-JAN-2014]	HK1401831-082		**4**				
W6/S/MID-FLOOD	[25-JAN-2014]	HK1401831-085		**4**				
W6/S/MID-FLOOD	[25-JAN-2014]	HK1401831-086		**3**				
W6/M/MID-FLOOD	[25-JAN-2014]	HK1401831-087		**2**				
W6/M/MID-FLOOD	[25-JAN-2014]	HK1401831-088		**3**				
W6/B/MID-FLOOD	[25-JAN-2014]	HK1401831-089		**6**				
W6/B/MID-FLOOD	[25-JAN-2014]	HK1401831-090		**4**				
W7/S/MID-FLOOD	[25-JAN-2014]	HK1401831-091		**4**				
W7/S/MID-FLOOD	[25-JAN-2014]	HK1401831-092		**3**				
W7/M/MID-FLOOD	[25-JAN-2014]	HK1401831-093		**3**				
W7/M/MID-FLOOD	[25-JAN-2014]	HK1401831-094		**4**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[25-JAN-2014]	HK1401831-095		**6**				
W7/B/MID-FLOOD	[25-JAN-2014]	HK1401831-096		**6**				
W8/S/MID-FLOOD	[25-JAN-2014]	HK1401831-097		**3**				
W8/S/MID-FLOOD	[25-JAN-2014]	HK1401831-098		**3**				
W8/M/MID-FLOOD	[25-JAN-2014]	HK1401831-099		**5**				
W8/M/MID-FLOOD	[25-JAN-2014]	HK1401831-100		**6**				
W8/B/MID-FLOOD	[25-JAN-2014]	HK1401831-101		**5**				
W8/B/MID-FLOOD	[25-JAN-2014]	HK1401831-102		**5**				
W9/S/MID-FLOOD	[25-JAN-2014]	HK1401831-103		**4**				
W9/S/MID-FLOOD	[25-JAN-2014]	HK1401831-104		**4**				
W9/M/MID-FLOOD	[25-JAN-2014]	HK1401831-105		**4**				
W9/M/MID-FLOOD	[25-JAN-2014]	HK1401831-106		**3**				
W9/B/MID-FLOOD	[25-JAN-2014]	HK1401831-107		**4**				
W9/B/MID-FLOOD	[25-JAN-2014]	HK1401831-108		**3**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3271351)								
HK1401831-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	2	0.0
HK1401831-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271352)								
HK1401831-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	2	3	0.0
HK1401831-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271353)								
HK1401831-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401831-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271354)								
HK1401831-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401831-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3271355)								
HK1401831-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3271351)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271352)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271353)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271354)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3271355)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5		
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401826		
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong				
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com				
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044				
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021				
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 24-JAN-2014		
Order number	: ----			Date of issue	: 04-FEB-2014		
C-O-C number	: ----			No. of samples	- Received	:	84
Site	: ----				- Analysed	:	84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401826 supersedes any previous reports with this reference. The completion date of analysis is 29-JAN-2014. 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 HK1401826 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)				
		LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[23-JAN-2014]	HK1401826-003	**5**				
W1/M/MID-EBB	[23-JAN-2014]	HK1401826-004	**4**				
W2/M/MID-EBB	[23-JAN-2014]	HK1401826-009	**4**				
W2/M/MID-EBB	[23-JAN-2014]	HK1401826-010	**5**				
W3/S/MID-EBB	[23-JAN-2014]	HK1401826-013	**4**				
W3/S/MID-EBB	[23-JAN-2014]	HK1401826-014	**5**				
W3/M/MID-EBB	[23-JAN-2014]	HK1401826-015	**17**				
W3/M/MID-EBB	[23-JAN-2014]	HK1401826-016	**17**				
W3/B/MID-EBB	[23-JAN-2014]	HK1401826-017	**15**				
W3/B/MID-EBB	[23-JAN-2014]	HK1401826-018	**17**				
W4/S/MID-EBB	[23-JAN-2014]	HK1401826-019	**6**				
W4/S/MID-EBB	[23-JAN-2014]	HK1401826-020	**6**				
W4/M/MID-EBB	[23-JAN-2014]	HK1401826-021	**6**				
W4/M/MID-EBB	[23-JAN-2014]	HK1401826-022	**5**				
W4/B/MID-EBB	[23-JAN-2014]	HK1401826-023	**5**				
W4/B/MID-EBB	[23-JAN-2014]	HK1401826-024	**4**				
W5/M/MID-EBB	[23-JAN-2014]	HK1401826-027	**6**				
W5/M/MID-EBB	[23-JAN-2014]	HK1401826-028	**4**				
W6/S/MID-EBB	[23-JAN-2014]	HK1401826-031	**9**				
W6/S/MID-EBB	[23-JAN-2014]	HK1401826-032	**10**				
W6/M/MID-EBB	[23-JAN-2014]	HK1401826-033	**9**				
W6/M/MID-EBB	[23-JAN-2014]	HK1401826-034	**9**				
W6/B/MID-EBB	[23-JAN-2014]	HK1401826-035	**9**				
W6/B/MID-EBB	[23-JAN-2014]	HK1401826-036	**8**				
W7/S/MID-EBB	[23-JAN-2014]	HK1401826-037	**3**				
W7/S/MID-EBB	[23-JAN-2014]	HK1401826-038	**3**				
W7/M/MID-EBB	[23-JAN-2014]	HK1401826-039	**2**				
W7/M/MID-EBB	[23-JAN-2014]	HK1401826-040	**3**				
W7/B/MID-EBB	[23-JAN-2014]	HK1401826-041	**4**				
W7/B/MID-EBB	[23-JAN-2014]	HK1401826-042	**5**				
W8/S/MID-EBB	[23-JAN-2014]	HK1401826-043	**3**				
W8/S/MID-EBB	[23-JAN-2014]	HK1401826-044	**4**				
W8/M/MID-EBB	[23-JAN-2014]	HK1401826-045	**5**				
W8/M/MID-EBB	[23-JAN-2014]	HK1401826-046	**4**				
W8/B/MID-EBB	[23-JAN-2014]	HK1401826-047	**6**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[23-JAN-2014]	HK1401826-048		**4**				
W9/S/MID-EBB	[23-JAN-2014]	HK1401826-049		**3**				
W9/S/MID-EBB	[23-JAN-2014]	HK1401826-050		**2**				
W9/M/MID-EBB	[23-JAN-2014]	HK1401826-051		**4**				
W9/M/MID-EBB	[23-JAN-2014]	HK1401826-052		**2**				
W9/B/MID-EBB	[23-JAN-2014]	HK1401826-053		**3**				
W9/B/MID-EBB	[23-JAN-2014]	HK1401826-054		**5**				
W1/M/MID-FLOOD	[23-JAN-2014]	HK1401826-057		**3**				
W1/M/MID-FLOOD	[23-JAN-2014]	HK1401826-058		**3**				
W2/M/MID-FLOOD	[23-JAN-2014]	HK1401826-063		**2**				
W2/M/MID-FLOOD	[23-JAN-2014]	HK1401826-064		**3**				
W3/S/MID-FLOOD	[23-JAN-2014]	HK1401826-067		**4**				
W3/S/MID-FLOOD	[23-JAN-2014]	HK1401826-068		**3**				
W3/M/MID-FLOOD	[23-JAN-2014]	HK1401826-069		**4**				
W3/M/MID-FLOOD	[23-JAN-2014]	HK1401826-070		**4**				
W3/B/MID-FLOOD	[23-JAN-2014]	HK1401826-071		**3**				
W3/B/MID-FLOOD	[23-JAN-2014]	HK1401826-072		**4**				
W4/S/MID-FLOOD	[23-JAN-2014]	HK1401826-073		**3**				
W4/S/MID-FLOOD	[23-JAN-2014]	HK1401826-074		**3**				
W4/M/MID-FLOOD	[23-JAN-2014]	HK1401826-075		**7**				
W4/M/MID-FLOOD	[23-JAN-2014]	HK1401826-076		**6**				
W4/B/MID-FLOOD	[23-JAN-2014]	HK1401826-077		**7**				
W4/B/MID-FLOOD	[23-JAN-2014]	HK1401826-078		**6**				
W5/M/MID-FLOOD	[23-JAN-2014]	HK1401826-081		**7**				
W5/M/MID-FLOOD	[23-JAN-2014]	HK1401826-082		**6**				
W6/S/MID-FLOOD	[23-JAN-2014]	HK1401826-085		**7**				
W6/S/MID-FLOOD	[23-JAN-2014]	HK1401826-086		**7**				
W6/M/MID-FLOOD	[23-JAN-2014]	HK1401826-087		**6**				
W6/M/MID-FLOOD	[23-JAN-2014]	HK1401826-088		**8**				
W6/B/MID-FLOOD	[23-JAN-2014]	HK1401826-089		**8**				
W6/B/MID-FLOOD	[23-JAN-2014]	HK1401826-090		**10**				
W7/S/MID-FLOOD	[23-JAN-2014]	HK1401826-091		**10**				
W7/S/MID-FLOOD	[23-JAN-2014]	HK1401826-092		**10**				
W7/M/MID-FLOOD	[23-JAN-2014]	HK1401826-093		**9**				
W7/M/MID-FLOOD	[23-JAN-2014]	HK1401826-094		**10**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[23-JAN-2014]	HK1401826-095		**8**				
W7/B/MID-FLOOD	[23-JAN-2014]	HK1401826-096		**8**				
W8/S/MID-FLOOD	[23-JAN-2014]	HK1401826-097		**5**				
W8/S/MID-FLOOD	[23-JAN-2014]	HK1401826-098		**5**				
W8/M/MID-FLOOD	[23-JAN-2014]	HK1401826-099		**5**				
W8/M/MID-FLOOD	[23-JAN-2014]	HK1401826-100		**4**				
W8/B/MID-FLOOD	[23-JAN-2014]	HK1401826-101		**4**				
W8/B/MID-FLOOD	[23-JAN-2014]	HK1401826-102		**4**				
W9/S/MID-FLOOD	[23-JAN-2014]	HK1401826-103		**5**				
W9/S/MID-FLOOD	[23-JAN-2014]	HK1401826-104		**4**				
W9/M/MID-FLOOD	[23-JAN-2014]	HK1401826-105		**5**				
W9/M/MID-FLOOD	[23-JAN-2014]	HK1401826-106		**6**				
W9/B/MID-FLOOD	[23-JAN-2014]	HK1401826-107		**6**				
W9/B/MID-FLOOD	[23-JAN-2014]	HK1401826-108		**4**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3267514)								
HK1401826-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	4	0.0
HK1401826-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267515)								
HK1401826-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	9	9	0.0
HK1401826-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267516)								
HK1401826-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401826-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267517)								
HK1401826-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
HK1401826-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	8	8	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267518)								
HK1401826-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3267514)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267515)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267516)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267517)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267518)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	94.5	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: **ACTION UNITED ENVIRO SERVICES**	*Laboratory*	: **ALS Technichem HK Pty Ltd**	*Page*	: **1 of 5**		
Contact	: **MR BEN TAM**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1401382**		
Address	: **RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**				
E-mail	: **Bentam@fordbusiness.com**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **+852 2959 6059**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **+852 2959 6079**	*Facsimile*	: **+852 2610 2021**				
Project	: **CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING**	*Quote number*	: **----**	*Date received*	: **22-JAN-2014**		
Order number	: **----**			*Date of issue*	: **29-JAN-2014**		
C-O-C number	: **----**			*No. of samples*	- *Received*	:	**86**
Site	: **----**				- *Analysed*	:	**86**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401382 supersedes any previous reports with this reference. The completion date of analysis is 27-JAN-2014. 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 HK1401382 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER		Compound	EA025: Suspended Solids (SS)				
		LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[21-JAN-2014]	HK1401382-003	**4**				
W1/M/MID-EBB	[21-JAN-2014]	HK1401382-004	**3**				
W2/M/MID-EBB	[21-JAN-2014]	HK1401382-009	**3**				
W2/M/MID-EBB	[21-JAN-2014]	HK1401382-010	**4**				
W3/S/MID-EBB	[21-JAN-2014]	HK1401382-013	**3**				
W3/S/MID-EBB	[21-JAN-2014]	HK1401382-014	**2**				
W3/M/MID-EBB	[21-JAN-2014]	HK1401382-015	**5**				
W3/M/MID-EBB	[21-JAN-2014]	HK1401382-016	**4**				
W3/B/MID-EBB	[21-JAN-2014]	HK1401382-017	**7**				
W3/B/MID-EBB	[21-JAN-2014]	HK1401382-018	**6**				
W4/S/MID-EBB	[21-JAN-2014]	HK1401382-019	**4**				
W4/S/MID-EBB	[21-JAN-2014]	HK1401382-020	**4**				
W4/M/MID-EBB	[21-JAN-2014]	HK1401382-021	**4**				
W4/M/MID-EBB	[21-JAN-2014]	HK1401382-022	**3**				
W4/B/MID-EBB	[21-JAN-2014]	HK1401382-023	**3**				
W4/B/MID-EBB	[21-JAN-2014]	HK1401382-024	**4**				
W5/M/MID-EBB	[21-JAN-2014]	HK1401382-027	**4**				
W5/M/MID-EBB	[21-JAN-2014]	HK1401382-028	**5**				
W6/S/MID-EBB	[21-JAN-2014]	HK1401382-031	**4**				
W6/S/MID-EBB	[21-JAN-2014]	HK1401382-032	**3**				
W6/M/MID-EBB	[21-JAN-2014]	HK1401382-033	**6**				
W6/M/MID-EBB	[21-JAN-2014]	HK1401382-034	**5**				
W6/B/MID-EBB	[21-JAN-2014]	HK1401382-035	**7**				
W6/B/MID-EBB	[21-JAN-2014]	HK1401382-036	**6**				
W7/S/MID-EBB	[21-JAN-2014]	HK1401382-037	**5**				
W7/S/MID-EBB	[21-JAN-2014]	HK1401382-038	**5**				
W7/M/MID-EBB	[21-JAN-2014]	HK1401382-039	**3**				
W7/M/MID-EBB	[21-JAN-2014]	HK1401382-040	**4**				
W7/B/MID-EBB	[21-JAN-2014]	HK1401382-041	**5**				
W7/B/MID-EBB	[21-JAN-2014]	HK1401382-042	**5**				
W8/S/MID-EBB	[21-JAN-2014]	HK1401382-043	**4**				
W8/S/MID-EBB	[21-JAN-2014]	HK1401382-044	**2**				
W8/M/MID-EBB	[21-JAN-2014]	HK1401382-045	**4**				
W8/M/MID-EBB	[21-JAN-2014]	HK1401382-046	**5**				
W8/B/MID-EBB	[21-JAN-2014]	HK1401382-047	**3**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[21-JAN-2014]	HK1401382-048		**4**				
W9/S/MID-EBB	[21-JAN-2014]	HK1401382-049		**4**				
W9/S/MID-EBB	[21-JAN-2014]	HK1401382-050		**4**				
W9/M/MID-EBB	[21-JAN-2014]	HK1401382-051		**3**				
W9/M/MID-EBB	[21-JAN-2014]	HK1401382-052		**3**				
W9/B/MID-EBB	[21-JAN-2014]	HK1401382-053		**4**				
W9/B/MID-EBB	[21-JAN-2014]	HK1401382-054		**4**				
W1/M/MID-FLOOD	[21-JAN-2014]	HK1401382-057		**4**				
W1/M/MID-FLOOD	[21-JAN-2014]	HK1401382-058		**4**				
W2/M/MID-FLOOD	[21-JAN-2014]	HK1401382-063		**3**				
W2/M/MID-FLOOD	[21-JAN-2014]	HK1401382-064		**5**				
W3/S/MID-FLOOD	[21-JAN-2014]	HK1401382-067		**4**				
W3/S/MID-FLOOD	[21-JAN-2014]	HK1401382-068		**3**				
W3/M/MID-FLOOD	[21-JAN-2014]	HK1401382-069		**2**				
W3/M/MID-FLOOD	[21-JAN-2014]	HK1401382-070		**3**				
W3/B/MID-FLOOD	[21-JAN-2014]	HK1401382-071		**5**				
W3/B/MID-FLOOD	[21-JAN-2014]	HK1401382-072		**5**				
W4/S/MID-FLOOD	[21-JAN-2014]	HK1401382-073		**5**				
W4/S/MID-FLOOD	[21-JAN-2014]	HK1401382-074		**4**				
W4/M/MID-FLOOD	[21-JAN-2014]	HK1401382-075		**4**				
W4/M/MID-FLOOD	[21-JAN-2014]	HK1401382-076		**4**				
W4/B/MID-FLOOD	[21-JAN-2014]	HK1401382-077		**5**				
W4/B/MID-FLOOD	[21-JAN-2014]	HK1401382-078		**4**				
W5/S/MID-FLOOD	[21-JAN-2014]	HK1401382-079		**4**				
W5/S/MID-FLOOD	[21-JAN-2014]	HK1401382-080		**3**				
W5/B/MID-FLOOD	[21-JAN-2014]	HK1401382-083		**3**				
W5/B/MID-FLOOD	[21-JAN-2014]	HK1401382-084		**3**				
W6/S/MID-FLOOD	[21-JAN-2014]	HK1401382-085		**4**				
W6/S/MID-FLOOD	[21-JAN-2014]	HK1401382-086		**3**				
W6/M/MID-FLOOD	[21-JAN-2014]	HK1401382-087		**5**				
W6/M/MID-FLOOD	[21-JAN-2014]	HK1401382-088		**4**				
W6/B/MID-FLOOD	[21-JAN-2014]	HK1401382-089		**4**				
W6/B/MID-FLOOD	[21-JAN-2014]	HK1401382-090		**5**				
W7/S/MID-FLOOD	[21-JAN-2014]	HK1401382-091		**3**				
W7/S/MID-FLOOD	[21-JAN-2014]	HK1401382-092		**4**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/M/MID-FLOOD	[21-JAN-2014]	HK1401382-093		**4**				
W7/M/MID-FLOOD	[21-JAN-2014]	HK1401382-094		**2**				
W7/B/MID-FLOOD	[21-JAN-2014]	HK1401382-095		**3**				
W7/B/MID-FLOOD	[21-JAN-2014]	HK1401382-096		**3**				
W8/S/MID-FLOOD	[21-JAN-2014]	HK1401382-097		**3**				
W8/S/MID-FLOOD	[21-JAN-2014]	HK1401382-098		**2**				
W8/M/MID-FLOOD	[21-JAN-2014]	HK1401382-099		**4**				
W8/M/MID-FLOOD	[21-JAN-2014]	HK1401382-100		**4**				
W8/B/MID-FLOOD	[21-JAN-2014]	HK1401382-101		**4**				
W8/B/MID-FLOOD	[21-JAN-2014]	HK1401382-102		**5**				
W9/S/MID-FLOOD	[21-JAN-2014]	HK1401382-103		**4**				
W9/S/MID-FLOOD	[21-JAN-2014]	HK1401382-104		**5**				
W9/M/MID-FLOOD	[21-JAN-2014]	HK1401382-105		**6**				
W9/M/MID-FLOOD	[21-JAN-2014]	HK1401382-106		**5**				
W9/B/MID-FLOOD	[21-JAN-2014]	HK1401382-107		**6**				
W9/B/MID-FLOOD	[21-JAN-2014]	HK1401382-108		**4**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3267090)								
HK1401382-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401382-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267091)								
HK1401382-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
HK1401382-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267092)								
HK1401382-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401382-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267093)								
HK1401382-083	W5/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401382-093	W7/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3267094)								
HK1401382-103	W9/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3267090)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267091)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267092)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267093)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3267094)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5		
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401379		
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong				
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com				
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044				
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021				
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 20-JAN-2014		
Order number	: ----			Date of issue	: 27-JAN-2014		
C-O-C number	: ----			No. of samples	- Received	:	84
Site	: ----				- Analysed	:	84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401379 supersedes any previous reports with this reference. The completion date of analysis is 24-JAN-2014. 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 HK1401379 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)				
	LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[18-JAN-2014]	HK1401379-003	**4**				
W1/M/MID-EBB	[18-JAN-2014]	HK1401379-004	**2**				
W2/M/MID-EBB	[18-JAN-2014]	HK1401379-009	**2**				
W2/M/MID-EBB	[18-JAN-2014]	HK1401379-010	**3**				
W3/S/MID-EBB	[18-JAN-2014]	HK1401379-013	**2**				
W3/S/MID-EBB	[18-JAN-2014]	HK1401379-014	**2**				
W3/M/MID-EBB	[18-JAN-2014]	HK1401379-015	**3**				
W3/M/MID-EBB	[18-JAN-2014]	HK1401379-016	**3**				
W3/B/MID-EBB	[18-JAN-2014]	HK1401379-017	**4**				
W3/B/MID-EBB	[18-JAN-2014]	HK1401379-018	**5**				
W4/S/MID-EBB	[18-JAN-2014]	HK1401379-019	**4**				
W4/S/MID-EBB	[18-JAN-2014]	HK1401379-020	**3**				
W4/M/MID-EBB	[18-JAN-2014]	HK1401379-021	**4**				
W4/M/MID-EBB	[18-JAN-2014]	HK1401379-022	**4**				
W4/B/MID-EBB	[18-JAN-2014]	HK1401379-023	**3**				
W4/B/MID-EBB	[18-JAN-2014]	HK1401379-024	**4**				
W5/M/MID-EBB	[18-JAN-2014]	HK1401379-027	**3**				
W5/M/MID-EBB	[18-JAN-2014]	HK1401379-028	**3**				
W6/S/MID-EBB	[18-JAN-2014]	HK1401379-031	**3**				
W6/S/MID-EBB	[18-JAN-2014]	HK1401379-032	**2**				
W6/M/MID-EBB	[18-JAN-2014]	HK1401379-033	**3**				
W6/M/MID-EBB	[18-JAN-2014]	HK1401379-034	**3**				
W6/B/MID-EBB	[18-JAN-2014]	HK1401379-035	**5**				
W6/B/MID-EBB	[18-JAN-2014]	HK1401379-036	**4**				
W7/S/MID-EBB	[18-JAN-2014]	HK1401379-037	**2**				
W7/S/MID-EBB	[18-JAN-2014]	HK1401379-038	**2**				
W7/M/MID-EBB	[18-JAN-2014]	HK1401379-039	**3**				
W7/M/MID-EBB	[18-JAN-2014]	HK1401379-040	**3**				
W7/B/MID-EBB	[18-JAN-2014]	HK1401379-041	**2**				
W7/B/MID-EBB	[18-JAN-2014]	HK1401379-042	**4**				
W8/S/MID-EBB	[18-JAN-2014]	HK1401379-043	**3**				
W8/S/MID-EBB	[18-JAN-2014]	HK1401379-044	**2**				
W8/M/MID-EBB	[18-JAN-2014]	HK1401379-045	**3**				
W8/M/MID-EBB	[18-JAN-2014]	HK1401379-046	**3**				
W8/B/MID-EBB	[18-JAN-2014]	HK1401379-047	**2**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[18-JAN-2014]	HK1401379-048		**2**				
W9/S/MID-EBB	[18-JAN-2014]	HK1401379-049		**4**				
W9/S/MID-EBB	[18-JAN-2014]	HK1401379-050		**3**				
W9/M/MID-EBB	[18-JAN-2014]	HK1401379-051		**3**				
W9/M/MID-EBB	[18-JAN-2014]	HK1401379-052		**3**				
W9/B/MID-EBB	[18-JAN-2014]	HK1401379-053		**3**				
W9/B/MID-EBB	[18-JAN-2014]	HK1401379-054		**3**				
W1/M/MID-FLOOD	[18-JAN-2014]	HK1401379-057		**3**				
W1/M/MID-FLOOD	[18-JAN-2014]	HK1401379-058		**3**				
W2/M/MID-FLOOD	[18-JAN-2014]	HK1401379-063		**4**				
W2/M/MID-FLOOD	[18-JAN-2014]	HK1401379-064		**3**				
W3/S/MID-FLOOD	[18-JAN-2014]	HK1401379-067		**4**				
W3/S/MID-FLOOD	[18-JAN-2014]	HK1401379-068		**3**				
W3/M/MID-FLOOD	[18-JAN-2014]	HK1401379-069		**3**				
W3/M/MID-FLOOD	[18-JAN-2014]	HK1401379-070		**4**				
W3/B/MID-FLOOD	[18-JAN-2014]	HK1401379-071		**3**				
W3/B/MID-FLOOD	[18-JAN-2014]	HK1401379-072		**3**				
W4/S/MID-FLOOD	[18-JAN-2014]	HK1401379-073		**3**				
W4/S/MID-FLOOD	[18-JAN-2014]	HK1401379-074		**4**				
W4/M/MID-FLOOD	[18-JAN-2014]	HK1401379-075		**2**				
W4/M/MID-FLOOD	[18-JAN-2014]	HK1401379-076		**3**				
W4/B/MID-FLOOD	[18-JAN-2014]	HK1401379-077		**4**				
W4/B/MID-FLOOD	[18-JAN-2014]	HK1401379-078		**5**				
W5/M/MID-FLOOD	[18-JAN-2014]	HK1401379-081		**2**				
W5/M/MID-FLOOD	[18-JAN-2014]	HK1401379-082		**2**				
W6/S/MID-FLOOD	[18-JAN-2014]	HK1401379-085		**3**				
W6/S/MID-FLOOD	[18-JAN-2014]	HK1401379-086		**2**				
W6/M/MID-FLOOD	[18-JAN-2014]	HK1401379-087		**4**				
W6/M/MID-FLOOD	[18-JAN-2014]	HK1401379-088		**3**				
W6/B/MID-FLOOD	[18-JAN-2014]	HK1401379-089		**2**				
W6/B/MID-FLOOD	[18-JAN-2014]	HK1401379-090		**3**				
W7/S/MID-FLOOD	[18-JAN-2014]	HK1401379-091		**2**				
W7/S/MID-FLOOD	[18-JAN-2014]	HK1401379-092		**3**				
W7/M/MID-FLOOD	[18-JAN-2014]	HK1401379-093		**3**				
W7/M/MID-FLOOD	[18-JAN-2014]	HK1401379-094		**2**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[18-JAN-2014]	HK1401379-095		**3**				
W7/B/MID-FLOOD	[18-JAN-2014]	HK1401379-096		**4**				
W8/S/MID-FLOOD	[18-JAN-2014]	HK1401379-097		**3**				
W8/S/MID-FLOOD	[18-JAN-2014]	HK1401379-098		**3**				
W8/M/MID-FLOOD	[18-JAN-2014]	HK1401379-099		**3**				
W8/M/MID-FLOOD	[18-JAN-2014]	HK1401379-100		**3**				
W8/B/MID-FLOOD	[18-JAN-2014]	HK1401379-101		**2**				
W8/B/MID-FLOOD	[18-JAN-2014]	HK1401379-102		**3**				
W9/S/MID-FLOOD	[18-JAN-2014]	HK1401379-103		**3**				
W9/S/MID-FLOOD	[18-JAN-2014]	HK1401379-104		**4**				
W9/M/MID-FLOOD	[18-JAN-2014]	HK1401379-105		**3**				
W9/M/MID-FLOOD	[18-JAN-2014]	HK1401379-106		**4**				
W9/B/MID-FLOOD	[18-JAN-2014]	HK1401379-107		**4**				
W9/B/MID-FLOOD	[18-JAN-2014]	HK1401379-108		**4**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3260194)								
HK1401379-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401379-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260195)								
HK1401379-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401379-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260196)								
HK1401379-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401379-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260197)								
HK1401379-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401379-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3260198)								
HK1401379-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3260194)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3260195)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3260196)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3260197)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3260198)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5		
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1401378		
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong				
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com				
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044				
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021				
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 16-JAN-2014		
Order number	: ----			Date of issue	: 23-JAN-2014		
C-O-C number	: ----			No. of samples	- Received	:	84
Site	: ----				- Analysed	:	84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1401378 supersedes any previous reports with this reference. The completion date of analysis is 21-JAN-2014. 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 HK1401378 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)				
	LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[16-JAN-2014]	HK1401378-003	5				
W1/M/MID-EBB	[16-JAN-2014]	HK1401378-004	5				
W2/M/MID-EBB	[16-JAN-2014]	HK1401378-009	6				
W2/M/MID-EBB	[16-JAN-2014]	HK1401378-010	7				
W3/S/MID-EBB	[16-JAN-2014]	HK1401378-013	5				
W3/S/MID-EBB	[16-JAN-2014]	HK1401378-014	4				
W3/M/MID-EBB	[16-JAN-2014]	HK1401378-015	6				
W3/M/MID-EBB	[16-JAN-2014]	HK1401378-016	5				
W3/B/MID-EBB	[16-JAN-2014]	HK1401378-017	4				
W3/B/MID-EBB	[16-JAN-2014]	HK1401378-018	6				
W4/S/MID-EBB	[16-JAN-2014]	HK1401378-019	4				
W4/S/MID-EBB	[16-JAN-2014]	HK1401378-020	4				
W4/M/MID-EBB	[16-JAN-2014]	HK1401378-021	4				
W4/M/MID-EBB	[16-JAN-2014]	HK1401378-022	5				
W4/B/MID-EBB	[16-JAN-2014]	HK1401378-023	8				
W4/B/MID-EBB	[16-JAN-2014]	HK1401378-024	6				
W5/M/MID-EBB	[16-JAN-2014]	HK1401378-027	5				
W5/M/MID-EBB	[16-JAN-2014]	HK1401378-028	3				
W6/S/MID-EBB	[16-JAN-2014]	HK1401378-031	4				
W6/S/MID-EBB	[16-JAN-2014]	HK1401378-032	2				
W6/M/MID-EBB	[16-JAN-2014]	HK1401378-033	3				
W6/M/MID-EBB	[16-JAN-2014]	HK1401378-034	4				
W6/B/MID-EBB	[16-JAN-2014]	HK1401378-035	5				
W6/B/MID-EBB	[16-JAN-2014]	HK1401378-036	4				
W7/S/MID-EBB	[16-JAN-2014]	HK1401378-037	3				
W7/S/MID-EBB	[16-JAN-2014]	HK1401378-038	2				
W7/M/MID-EBB	[16-JAN-2014]	HK1401378-039	3				
W7/M/MID-EBB	[16-JAN-2014]	HK1401378-040	3				
W7/B/MID-EBB	[16-JAN-2014]	HK1401378-041	2				
W7/B/MID-EBB	[16-JAN-2014]	HK1401378-042	4				
W8/S/MID-EBB	[16-JAN-2014]	HK1401378-043	4				
W8/S/MID-EBB	[16-JAN-2014]	HK1401378-044	4				
W8/M/MID-EBB	[16-JAN-2014]	HK1401378-045	5				
W8/M/MID-EBB	[16-JAN-2014]	HK1401378-046	4				
W8/B/MID-EBB	[16-JAN-2014]	HK1401378-047	3				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[16-JAN-2014]	HK1401378-048		**5**				
W9/S/MID-EBB	[16-JAN-2014]	HK1401378-049		**9**				
W9/S/MID-EBB	[16-JAN-2014]	HK1401378-050		**9**				
W9/M/MID-EBB	[16-JAN-2014]	HK1401378-051		**12**				
W9/M/MID-EBB	[16-JAN-2014]	HK1401378-052		**12**				
W9/B/MID-EBB	[16-JAN-2014]	HK1401378-053		**14**				
W9/B/MID-EBB	[16-JAN-2014]	HK1401378-054		**14**				
W1/M/MID-FLOOD	[16-JAN-2014]	HK1401378-057		**7**				
W1/M/MID-FLOOD	[16-JAN-2014]	HK1401378-058		**6**				
W2/M/MID-FLOOD	[16-JAN-2014]	HK1401378-063		**4**				
W2/M/MID-FLOOD	[16-JAN-2014]	HK1401378-064		**2**				
W3/S/MID-FLOOD	[16-JAN-2014]	HK1401378-067		**4**				
W3/S/MID-FLOOD	[16-JAN-2014]	HK1401378-068		**2**				
W3/M/MID-FLOOD	[16-JAN-2014]	HK1401378-069		**4**				
W3/M/MID-FLOOD	[16-JAN-2014]	HK1401378-070		**4**				
W3/B/MID-FLOOD	[16-JAN-2014]	HK1401378-071		**4**				
W3/B/MID-FLOOD	[16-JAN-2014]	HK1401378-072		**4**				
W4/S/MID-FLOOD	[16-JAN-2014]	HK1401378-073		**5**				
W4/S/MID-FLOOD	[16-JAN-2014]	HK1401378-074		**4**				
W4/M/MID-FLOOD	[16-JAN-2014]	HK1401378-075		**4**				
W4/M/MID-FLOOD	[16-JAN-2014]	HK1401378-076		**5**				
W4/B/MID-FLOOD	[16-JAN-2014]	HK1401378-077		**5**				
W4/B/MID-FLOOD	[16-JAN-2014]	HK1401378-078		**4**				
W5/M/MID-FLOOD	[16-JAN-2014]	HK1401378-081		**4**				
W5/M/MID-FLOOD	[16-JAN-2014]	HK1401378-082		**4**				
W6/S/MID-FLOOD	[16-JAN-2014]	HK1401378-085		**4**				
W6/S/MID-FLOOD	[16-JAN-2014]	HK1401378-086		**3**				
W6/M/MID-FLOOD	[16-JAN-2014]	HK1401378-087		**4**				
W6/M/MID-FLOOD	[16-JAN-2014]	HK1401378-088		**4**				
W6/B/MID-FLOOD	[16-JAN-2014]	HK1401378-089		**3**				
W6/B/MID-FLOOD	[16-JAN-2014]	HK1401378-090		**4**				
W7/S/MID-FLOOD	[16-JAN-2014]	HK1401378-091		**3**				
W7/S/MID-FLOOD	[16-JAN-2014]	HK1401378-092		**3**				
W7/M/MID-FLOOD	[16-JAN-2014]	HK1401378-093		**4**				
W7/M/MID-FLOOD	[16-JAN-2014]	HK1401378-094		**3**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[16-JAN-2014]	HK1401378-095		**3**				
W7/B/MID-FLOOD	[16-JAN-2014]	HK1401378-096		**4**				
W8/S/MID-FLOOD	[16-JAN-2014]	HK1401378-097		**4**				
W8/S/MID-FLOOD	[16-JAN-2014]	HK1401378-098		**4**				
W8/M/MID-FLOOD	[16-JAN-2014]	HK1401378-099		**5**				
W8/M/MID-FLOOD	[16-JAN-2014]	HK1401378-100		**4**				
W8/B/MID-FLOOD	[16-JAN-2014]	HK1401378-101		**5**				
W8/B/MID-FLOOD	[16-JAN-2014]	HK1401378-102		**5**				
W9/S/MID-FLOOD	[16-JAN-2014]	HK1401378-103		**7**				
W9/S/MID-FLOOD	[16-JAN-2014]	HK1401378-104		**7**				
W9/M/MID-FLOOD	[16-JAN-2014]	HK1401378-105		**7**				
W9/M/MID-FLOOD	[16-JAN-2014]	HK1401378-106		**8**				
W9/B/MID-FLOOD	[16-JAN-2014]	HK1401378-107		**9**				
W9/B/MID-FLOOD	[16-JAN-2014]	HK1401378-108		**8**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3259486)								
HK1401378-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
HK1401378-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3259487)								
HK1401378-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1401378-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3259488)								
HK1401378-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	14	14	0.0
HK1401378-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3259489)								
HK1401378-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1401378-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3259490)								
HK1401378-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3259486)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3259487)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3259488)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3259489)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3259490)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5		
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1400264		
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong				
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com				
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044				
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021				
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 14-JAN-2014		
Order number	: ----			Date of issue	: 22-JAN-2014		
C-O-C number	: ----			No. of samples	- Received	:	84
Site	: ----				- Analysed	:	84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400264 supersedes any previous reports with this reference. The completion date of analysis is 20-JAN-2014. 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 HK1400264 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: **WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA025: Suspended Solids (SS)				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[14-JAN-2014]	HK1400264-003		**7**				
W1/M/MID-EBB	[14-JAN-2014]	HK1400264-004		**8**				
W2/M/MID-EBB	[14-JAN-2014]	HK1400264-009		**6**				
W2/M/MID-EBB	[14-JAN-2014]	HK1400264-010		**6**				
W3/S/MID-EBB	[14-JAN-2014]	HK1400264-013		**4**				
W3/S/MID-EBB	[14-JAN-2014]	HK1400264-014		**3**				
W3/M/MID-EBB	[14-JAN-2014]	HK1400264-015		**4**				
W3/M/MID-EBB	[14-JAN-2014]	HK1400264-016		**4**				
W3/B/MID-EBB	[14-JAN-2014]	HK1400264-017		**4**				
W3/B/MID-EBB	[14-JAN-2014]	HK1400264-018		**5**				
W4/S/MID-EBB	[14-JAN-2014]	HK1400264-019		**4**				
W4/S/MID-EBB	[14-JAN-2014]	HK1400264-020		**4**				
W4/M/MID-EBB	[14-JAN-2014]	HK1400264-021		**5**				
W4/M/MID-EBB	[14-JAN-2014]	HK1400264-022		**4**				
W4/B/MID-EBB	[14-JAN-2014]	HK1400264-023		**4**				
W4/B/MID-EBB	[14-JAN-2014]	HK1400264-024		**6**				
W5/M/MID-EBB	[14-JAN-2014]	HK1400264-027		**4**				
W5/M/MID-EBB	[14-JAN-2014]	HK1400264-028		**4**				
W6/S/MID-EBB	[14-JAN-2014]	HK1400264-031		**3**				
W6/S/MID-EBB	[14-JAN-2014]	HK1400264-032		**3**				
W6/M/MID-EBB	[14-JAN-2014]	HK1400264-033		**3**				
W6/M/MID-EBB	[14-JAN-2014]	HK1400264-034		**4**				
W6/B/MID-EBB	[14-JAN-2014]	HK1400264-035		**4**				
W6/B/MID-EBB	[14-JAN-2014]	HK1400264-036		**4**				
W7/S/MID-EBB	[14-JAN-2014]	HK1400264-037		**4**				
W7/S/MID-EBB	[14-JAN-2014]	HK1400264-038		**4**				
W7/M/MID-EBB	[14-JAN-2014]	HK1400264-039		**5**				
W7/M/MID-EBB	[14-JAN-2014]	HK1400264-040		**4**				
W7/B/MID-EBB	[14-JAN-2014]	HK1400264-041		**6**				
W7/B/MID-EBB	[14-JAN-2014]	HK1400264-042		**4**				
W8/S/MID-EBB	[14-JAN-2014]	HK1400264-043		**3**				
W8/S/MID-EBB	[14-JAN-2014]	HK1400264-044		**3**				
W8/M/MID-EBB	[14-JAN-2014]	HK1400264-045		**4**				
W8/M/MID-EBB	[14-JAN-2014]	HK1400264-046		**3**				
W8/B/MID-EBB	[14-JAN-2014]	HK1400264-047		**3**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[14-JAN-2014]	HK1400264-048		**3**				
W9/S/MID-EBB	[14-JAN-2014]	HK1400264-049		**3**				
W9/S/MID-EBB	[14-JAN-2014]	HK1400264-050		**4**				
W9/M/MID-EBB	[14-JAN-2014]	HK1400264-051		**4**				
W9/M/MID-EBB	[14-JAN-2014]	HK1400264-052		**5**				
W9/B/MID-EBB	[14-JAN-2014]	HK1400264-053		**4**				
W9/B/MID-EBB	[14-JAN-2014]	HK1400264-054		**5**				
W1/M/MID-FLOOD	[14-JAN-2014]	HK1400264-057		**3**				
W1/M/MID-FLOOD	[14-JAN-2014]	HK1400264-058		**3**				
W2/M/MID-FLOOD	[14-JAN-2014]	HK1400264-063		**4**				
W2/M/MID-FLOOD	[14-JAN-2014]	HK1400264-064		**4**				
W3/S/MID-FLOOD	[14-JAN-2014]	HK1400264-067		**2**				
W3/S/MID-FLOOD	[14-JAN-2014]	HK1400264-068		**3**				
W3/M/MID-FLOOD	[14-JAN-2014]	HK1400264-069		**3**				
W3/M/MID-FLOOD	[14-JAN-2014]	HK1400264-070		**3**				
W3/B/MID-FLOOD	[14-JAN-2014]	HK1400264-071		**3**				
W3/B/MID-FLOOD	[14-JAN-2014]	HK1400264-072		**4**				
W4/S/MID-FLOOD	[14-JAN-2014]	HK1400264-073		**4**				
W4/S/MID-FLOOD	[14-JAN-2014]	HK1400264-074		**2**				
W4/M/MID-FLOOD	[14-JAN-2014]	HK1400264-075		**4**				
W4/M/MID-FLOOD	[14-JAN-2014]	HK1400264-076		**3**				
W4/B/MID-FLOOD	[14-JAN-2014]	HK1400264-077		**4**				
W4/B/MID-FLOOD	[14-JAN-2014]	HK1400264-078		**3**				
W5/M/MID-FLOOD	[14-JAN-2014]	HK1400264-081		**3**				
W5/M/MID-FLOOD	[14-JAN-2014]	HK1400264-082		**3**				
W6/S/MID-FLOOD	[14-JAN-2014]	HK1400264-085		**3**				
W6/S/MID-FLOOD	[14-JAN-2014]	HK1400264-086		**3**				
W6/M/MID-FLOOD	[14-JAN-2014]	HK1400264-087		**2**				
W6/M/MID-FLOOD	[14-JAN-2014]	HK1400264-088		**2**				
W6/B/MID-FLOOD	[14-JAN-2014]	HK1400264-089		**2**				
W6/B/MID-FLOOD	[14-JAN-2014]	HK1400264-090		**3**				
W7/S/MID-FLOOD	[14-JAN-2014]	HK1400264-091		**3**				
W7/S/MID-FLOOD	[14-JAN-2014]	HK1400264-092		**3**				
W7/M/MID-FLOOD	[14-JAN-2014]	HK1400264-093		**2**				
W7/M/MID-FLOOD	[14-JAN-2014]	HK1400264-094		**2**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[14-JAN-2014]	HK1400264-095		**3**				
W7/B/MID-FLOOD	[14-JAN-2014]	HK1400264-096		**2**				
W8/S/MID-FLOOD	[14-JAN-2014]	HK1400264-097		**4**				
W8/S/MID-FLOOD	[14-JAN-2014]	HK1400264-098		**4**				
W8/M/MID-FLOOD	[14-JAN-2014]	HK1400264-099		**4**				
W8/M/MID-FLOOD	[14-JAN-2014]	HK1400264-100		**3**				
W8/B/MID-FLOOD	[14-JAN-2014]	HK1400264-101		**4**				
W8/B/MID-FLOOD	[14-JAN-2014]	HK1400264-102		**3**				
W9/S/MID-FLOOD	[14-JAN-2014]	HK1400264-103		**4**				
W9/S/MID-FLOOD	[14-JAN-2014]	HK1400264-104		**4**				
W9/M/MID-FLOOD	[14-JAN-2014]	HK1400264-105		**3**				
W9/M/MID-FLOOD	[14-JAN-2014]	HK1400264-106		**4**				
W9/B/MID-FLOOD	[14-JAN-2014]	HK1400264-107		**4**				
W9/B/MID-FLOOD	[14-JAN-2014]	HK1400264-108		**4**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3257818)								
HK1400264-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
HK1400264-019	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257819)								
HK1400264-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400264-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257820)								
HK1400264-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400264-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257821)								
HK1400264-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
HK1400264-095	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3257822)								
HK1400264-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	3	3	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3257818)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3257819)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3257820)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3257821)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	102	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3257822)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	96.5	----	85	115	----	----

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

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

CERTIFICATE OF ANALYSIS

Client	: ACTION UNITED ENVIRO SERVICES	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5		
Contact	: MR BEN TAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1400263		
Address	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 TAI LIN PAI ROAD, KWAI CHUNG, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong				
E-mail	: Bentam@fordbusiness.com	E-mail	: Richard.Fung@alsglobal.com				
Telephone	: +852 2959 6059	Telephone	: +852 2610 1044				
Facsimile	: +852 2959 6079	Facsimile	: +852 2610 2021				
Project	: CONTRACT NO 1_WSD_13-IMPROVEMENT OF FRESH WATER SUPPLY TO CHEUNG CHAU BASELINE MONITORING	Quote number	: ----	Date received	: 11-JAN-2014		
Order number	: ----			Date of issue	: 18-JAN-2014		
C-O-C number	: ----			No. of samples	- Received	:	84
Site	: ----				- Analysed	:	84

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1400263 supersedes any previous reports with this reference. The completion date of analysis is 16-JAN-2014. 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 HK1400263 :

Project Name: Contract No. 1/WSD/13 - Improvement of Fresh Water Supply to Cheung Chau Baseline Monitoring Schedule under EP- 392/2010.

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

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

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

Analytical Results

Sub-Matrix: WATER	Compound	EA025: Suspended Solids (SS)				
	LOR Unit	1 mg/L				
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties				
W1/M/MID-EBB	[11-JAN-2014]	HK1400263-003	4				
W1/M/MID-EBB	[11-JAN-2014]	HK1400263-004	3				
W2/M/MID-EBB	[11-JAN-2014]	HK1400263-009	4				
W2/M/MID-EBB	[11-JAN-2014]	HK1400263-010	5				
W3/S/MID-EBB	[11-JAN-2014]	HK1400263-013	6				
W3/S/MID-EBB	[11-JAN-2014]	HK1400263-014	6				
W3/M/MID-EBB	[11-JAN-2014]	HK1400263-015	6				
W3/M/MID-EBB	[11-JAN-2014]	HK1400263-016	6				
W3/B/MID-EBB	[11-JAN-2014]	HK1400263-017	7				
W3/B/MID-EBB	[11-JAN-2014]	HK1400263-018	6				
W4/S/MID-EBB	[11-JAN-2014]	HK1400263-019	5				
W4/S/MID-EBB	[11-JAN-2014]	HK1400263-020	5				
W4/M/MID-EBB	[11-JAN-2014]	HK1400263-021	5				
W4/M/MID-EBB	[11-JAN-2014]	HK1400263-022	6				
W4/B/MID-EBB	[11-JAN-2014]	HK1400263-023	5				
W4/B/MID-EBB	[11-JAN-2014]	HK1400263-024	4				
W5/M/MID-EBB	[11-JAN-2014]	HK1400263-027	5				
W5/M/MID-EBB	[11-JAN-2014]	HK1400263-028	5				
W6/S/MID-EBB	[11-JAN-2014]	HK1400263-031	4				
W6/S/MID-EBB	[11-JAN-2014]	HK1400263-032	3				
W6/M/MID-EBB	[11-JAN-2014]	HK1400263-033	5				
W6/M/MID-EBB	[11-JAN-2014]	HK1400263-034	5				
W6/B/MID-EBB	[11-JAN-2014]	HK1400263-035	4				
W6/B/MID-EBB	[11-JAN-2014]	HK1400263-036	4				
W7/S/MID-EBB	[11-JAN-2014]	HK1400263-037	4				
W7/S/MID-EBB	[11-JAN-2014]	HK1400263-038	5				
W7/M/MID-EBB	[11-JAN-2014]	HK1400263-039	5				
W7/M/MID-EBB	[11-JAN-2014]	HK1400263-040	5				
W7/B/MID-EBB	[11-JAN-2014]	HK1400263-041	5				
W7/B/MID-EBB	[11-JAN-2014]	HK1400263-042	5				
W8/S/MID-EBB	[11-JAN-2014]	HK1400263-043	4				
W8/S/MID-EBB	[11-JAN-2014]	HK1400263-044	4				
W8/M/MID-EBB	[11-JAN-2014]	HK1400263-045	5				
W8/M/MID-EBB	[11-JAN-2014]	HK1400263-046	6				
W8/B/MID-EBB	[11-JAN-2014]	HK1400263-047	6				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W8/B/MID-EBB	[11-JAN-2014]	HK1400263-048		**8**				
W9/S/MID-EBB	[11-JAN-2014]	HK1400263-049		**8**				
W9/S/MID-EBB	[11-JAN-2014]	HK1400263-050		**8**				
W9/M/MID-EBB	[11-JAN-2014]	HK1400263-051		**7**				
W9/M/MID-EBB	[11-JAN-2014]	HK1400263-052		**7**				
W9/B/MID-EBB	[11-JAN-2014]	HK1400263-053		**7**				
W9/B/MID-EBB	[11-JAN-2014]	HK1400263-054		**8**				
W1/M/MID-FLOOD	[11-JAN-2014]	HK1400263-057		**7**				
W1/M/MID-FLOOD	[11-JAN-2014]	HK1400263-058		**8**				
W2/M/MID-FLOOD	[11-JAN-2014]	HK1400263-063		**5**				
W2/M/MID-FLOOD	[11-JAN-2014]	HK1400263-064		**6**				
W3/S/MID-FLOOD	[11-JAN-2014]	HK1400263-067		**4**				
W3/S/MID-FLOOD	[11-JAN-2014]	HK1400263-068		**4**				
W3/M/MID-FLOOD	[11-JAN-2014]	HK1400263-069		**3**				
W3/M/MID-FLOOD	[11-JAN-2014]	HK1400263-070		**5**				
W3/B/MID-FLOOD	[11-JAN-2014]	HK1400263-071		**6**				
W3/B/MID-FLOOD	[11-JAN-2014]	HK1400263-072		**5**				
W4/S/MID-FLOOD	[11-JAN-2014]	HK1400263-073		**6**				
W4/S/MID-FLOOD	[11-JAN-2014]	HK1400263-074		**4**				
W4/M/MID-FLOOD	[11-JAN-2014]	HK1400263-075		**6**				
W4/M/MID-FLOOD	[11-JAN-2014]	HK1400263-076		**6**				
W4/B/MID-FLOOD	[11-JAN-2014]	HK1400263-077		**5**				
W4/B/MID-FLOOD	[11-JAN-2014]	HK1400263-078		**4**				
W5/M/MID-FLOOD	[11-JAN-2014]	HK1400263-081		**5**				
W5/M/MID-FLOOD	[11-JAN-2014]	HK1400263-082		**5**				
W6/S/MID-FLOOD	[11-JAN-2014]	HK1400263-085		**4**				
W6/S/MID-FLOOD	[11-JAN-2014]	HK1400263-086		**4**				
W6/M/MID-FLOOD	[11-JAN-2014]	HK1400263-087		**4**				
W6/M/MID-FLOOD	[11-JAN-2014]	HK1400263-088		**5**				
W6/B/MID-FLOOD	[11-JAN-2014]	HK1400263-089		**6**				
W6/B/MID-FLOOD	[11-JAN-2014]	HK1400263-090		**6**				
W7/S/MID-FLOOD	[11-JAN-2014]	HK1400263-091		**6**				
W7/S/MID-FLOOD	[11-JAN-2014]	HK1400263-092		**4**				
W7/M/MID-FLOOD	[11-JAN-2014]	HK1400263-093		**6**				
W7/M/MID-FLOOD	[11-JAN-2014]	HK1400263-094		**5**				

Sub-Matrix: **WATER**

Client sample ID	*Client sampling date / time*	*Laboratory sample ID*	*Compound*	**EA025: Suspended Solids (SS)**				
			LOR Unit	1 mg/L				
				EA/ED: Physical and Aggregate Properties				
W7/B/MID-FLOOD	[11-JAN-2014]	HK1400263-095		**6**				
W7/B/MID-FLOOD	[11-JAN-2014]	HK1400263-096		**6**				
W8/S/MID-FLOOD	[11-JAN-2014]	HK1400263-097		**4**				
W8/S/MID-FLOOD	[11-JAN-2014]	HK1400263-098		**6**				
W8/M/MID-FLOOD	[11-JAN-2014]	HK1400263-099		**4**				
W8/M/MID-FLOOD	[11-JAN-2014]	HK1400263-100		**5**				
W8/B/MID-FLOOD	[11-JAN-2014]	HK1400263-101		**4**				
W8/B/MID-FLOOD	[11-JAN-2014]	HK1400263-102		**6**				
W9/S/MID-FLOOD	[11-JAN-2014]	HK1400263-103		**5**				
W9/S/MID-FLOOD	[11-JAN-2014]	HK1400263-104		**6**				
W9/M/MID-FLOOD	[11-JAN-2014]	HK1400263-105		**7**				
W9/M/MID-FLOOD	[11-JAN-2014]	HK1400263-106		**8**				
W9/B/MID-FLOOD	[11-JAN-2014]	HK1400263-107		**10**				
W9/B/MID-FLOOD	[11-JAN-2014]	HK1400263-108		**11**				

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3251541)								
HK1400263-003	W1/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400263-020	W4/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3251542)								
HK1400263-033	W6/M/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	5	5	0.0
HK1400263-043	W8/S/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3251543)								
HK1400263-053	W9/B/MID-EBB	EA025: Suspended Solids (SS)	----	1	mg/L	7	7	0.0
HK1400263-071	W3/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	6	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3251544)								
HK1400263-085	W6/S/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	4	4	0.0
HK1400263-096	W7/B/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	6	7	0.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3251545)								
HK1400263-105	W9/M/MID-FLOOD	EA025: Suspended Solids (SS)	----	1	mg/L	7	8	0.0

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
		LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3251541)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	98.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3251542)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3251543)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3251544)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3251545)											
EA025: Suspended Solids (SS)	----	2	mg/L	<2	20 mg/L	99.0	----	85	115	----	----

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

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

Appendix F

Continuous Noise Measurement Data

Normal Daytime 0700-1900

Baseline Noise Monitoring Resutls of N1

Baseline Data for Normal Daytime 0700-1900

Date	18-Jan-2014				20-Jan-2014				21-Jan-2014				22-Jan-2014				23-Jan-2014				24-Jan-2014				25-Jan-2014			
Time	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)
07:00	52.1		53.5	48.0	62.3		65.5	56.5	55.3		53.0	47.0	53.1		54.0	49.0	55.9		60.0	47.0	56.3		59.5	50.0	53.5		56.0	48.0
07:05	53.3		55.0	50.0	61.3		64.0	56.0	52.2		53.5	48.5	53.8		55.5	50.0	54.3		56.5	50.5	53.6		56.0	49.0	52.1		53.5	47.5
07:10	54.4	53.7	56.5	50.5	60.5	61.0	62.5	55.5	54.9	53.8	58.5	50.0	54.2	53.4	56.0	50.0	53.3	54.5	55.5	48.5	54.0	54.5	56.0	50.5	51.8	54.8	53.5	48.0
07:15	53.9		55.5	51.0	61.2		63.0	56.0	54.2		56.5	50.5	52.5		54.0	49.5	54.9		57.5	50.0	52.2		54.0	48.0	53.6		56.0	49.0
07:20	52.8		54.0	49.5	60.5		63.0	55.5	52.5		53.5	49.0	53.6		55.5	50.5	53.6		55.0	50.0	54.4		57.0	49.0	54.9		57.5	50.0
07:25	55.2		58.0	50.5	59.6		61.5	55.0	52.9		54.0	50.0	53.0		54.5	50.0	54.5		56.5	51.0	55.5		58.0	52.0	58.7		62.5	51.5
07:30	55.5		58.0	52.0	61.6		63.0	56.0	55.4		56.5	52.0	53.0		54.5	49.5	57.8		60.0	54.5	56.4		58.5	52.5	58.3		62.0	51.5
07:35	54.1		55.5	51.0	61.6		63.5	55.5	53.4		54.5	50.5	53.0		54.5	49.5	54.3		55.5	52.0	54.2		55.5	51.0	57.3		60.0	51.5
07:40	55.1	55.0	57.0	51.5	60.3	60.3	63.5	54.5	55.2	54.9	57.0	51.5	55.3	54.5	57.5	51.0	54.8	56.1	56.5	51.5	55.4	55.2	56.5	51.0	56.5	56.6	59.5	51.5
07:45	55.1		56.5	51.5	59.2		61.5	55.0	55.5		57.5	51.5	56.6		58.5	53.5	55.4		57.0	52.0	55.3		56.5	52.5	55.3		57.0	52.0
07:50	54.3		55.5	50.0	59.0		61.5	55.0	54.6		56.5	51.0	52.8		54.5	49.0	56.0		58.0	52.5	55.4		57.5	51.5	56.3		59.0	51.5
07:55	55.5		57.5	51.0	59.5		61.5	55.5	55.2		56.0	50.5	54.6		56.5	49.5	57.2		60.5	51.5	54.0		56.0	49.5	54.7		57.0	49.5
08:00	54.6		56.5	51.5	59.0		61.5	55.5	56.9		59.5	52.0	55.3		57.5	50.5	58.3		62.5	50.5	58.5		62.0	51.0	54.7		57.5	50.0
08:05	57.6		60.0	51.0	56.4		58.0	54.0	55.6		59.0	49.0	55.2		57.5	50.0	53.5		55.0	49.5	55.9		57.5	52.0	53.2		54.0	48.0
08:10	56.4	55.8	58.5	50.0	58.1	58.7	60.0	55.0	54.0	55.4	56.0	49.0	53.7	55.3	56.0	49.0	54.6	56.7	57.5	49.0	55.0	56.0	57.5	50.5	57.0	55.3	58.0	49.5
08:15	55.0		56.5	51.5	57.8		59.0	55.5	54.8		56.5	51.5	56.7		60.0	50.5	59.2		62.0	52.0	53.7		55.0	49.5	56.8		59.0	52.0
08:20	53.7		55.0	49.5	57.9		59.5	55.5	55.8		57.5	52.0	54.5		56.5	49.5	56.4		59.5	51.5	55.8		57.5	52.5	54.9		57.0	51.0
08:25	56.4		58.5	53.0	61.3		65.0	56.5	54.5		56.0	51.0	55.6		58.0	50.0	55.6		58.0	51.5	55.5		58.0	51.5	53.4		55.0	49.5
08:30	56.8		59.5	51.5	60.0		63.0	55.5	53.8		55.0	50.0	54.5		57.0	50.0	55.1		57.0	51.0	53.8		55.5	50.0	54.4		56.0	51.5
08:35	56.3		59.5	50.5	56.6		58.0	54.0	52.4		54.0	48.5	53.7		55.0	48.5	53.4		55.0	49.5	53.5		55.0	49.0	53.8		55.5	49.0
08:40	56.4	56.8	58.0	50.5	59.4	59.6	62.0	55.0	59.5	56.1	64.5	50.0	55.5	54.0	57.0	50.0	56.8	55.3	59.0	52.5	56.6	55.0	60.0	50.5	56.6	54.5	59.5	49.5
08:45	59.1		62.5	51.0	59.0		62.0	54.5	56.3		57.5	51.5	53.0		54.5	49.5	56.4		59.0	52.5	54.2		56.5	50.5	54.2		56.0	51.0
08:50	56.9		58.0	52.0	61.9		61.5	55.0	55.6		57.0	52.5	52.2		53.5	48.5	55.2		57.0	52.0	54.1		56.0	51.0	54.3		55.5	51.0
08:55	53.3		55.5	49.0	59.2		63.0	54.0	55.3		57.5	51.5	54.1		55.0	50.5	54.2		55.5	51.0	56.4		60.0	50.0	52.9		55.0	48.5
09:00	56.4		59.5	50.5	56.0		57.5	54.0	55.5		57.5	51.0	55.1		55.5	50.0	57.6		60.5	51.0	55.6		57.0	51.5	53.1		54.5	48.0
09:05	57.4		61.0	51.0	56.1		57.5	54.0	55.0		57.0	51.0	56.6		60.0	50.0	56.0		57.5	51.0	56.7		60.5	51.5	55.6		55.5	49.0
09:10	59.9	59.3	62.0	51.0	55.7	57.4	57.0	53.0	53.8	57.3	56.0	50.0	54.7	56.5	57.0	50.5	55.7	56.7	57.5	51.5	54.6	57.8	56.0	51.5	58.1	55.3	58.5	49.0
09:15	57.5		60.0	53.5	56.6		58.0	54.0	59.8		61.0	50.5	59.6		62.5	51.5	59.4		61.5	51.0	60.3		64.0	53.5	54.2		57.0	49.0
09:20	63.5		61.0	52.0	57.7		59.0	54.5	57.6		61.5	51.5	55.1		56.0	49.5	55.0		58.0	50.5	57.5		60.0	52.5	54.5		56.5	50.5
09:25	55.9		58.5	51.0	60.3		59.0	53.5	58.8		61.5	53.0	55.8		58.0	51.0	54.4		56.5	50.0	59.2		62.0	54.5	54.3		56.0	50.5
09:30	58.4		61.0	53.0	57.1		58.5	54.0	59.5		63.5	51.5	53.9		55.5	50.0	54.9		56.5	51.5	62.7		65.0	56.5	69.7		59.0	49.5
09:35	55.3		57.0	50.0	56.9		58.5	54.0	58.4		62.5	50.5	69.4		56.5	49.5	56.1		57.5	49.5	61.5		64.0	56.5	51.5		52.5	46.5
09:40	58.8	57.2	62.5	51.5	59.2	58.9	61.0	56.0	56.6	59.6	58.0	50.0	55.6	62.3	58.0	49.5	55.9	55.6	57.5	51.0	62.4	66.1	65.0	56.0	53.5	62.9	55.0	48.5
09:45	58.0		62.5	50.0	57.5		59.0	54.0	64.5		56.5	49.5	53.4		55.0	49.5	55.2		57.5	51.0	57.4		59.0	54.5	58.2		61.5	51.0
09:50	55.0		56.5	51.0	61.9		59.0	53.5	53.4		55.0	50.5	55.1		56.5	51.0	55.9		58.0	51.0	57.2		58.5	54.5	57.5		59.5	50.0
09:55	56.1		57.5	51.5	58.6		61.0	54.5	55.5		57.5	51.0	53.8		56.0	49.0	55.6		57.5	51.5	72.6		65.0	53.5	58.2		61.0	51.0
10:00	55.6		58.0	51.0	58.8		61.5	54.5	56.6		59.5	50.5	55.3		57.5	50.5	54.8		57.0	50.0	59.7		63.0	53.0	57.8		60.0	50.0
10:05	60.9		62.5	52.0	58.1		60.0	55.5	53.7		55.5	49.0	55.7		57.5	50.5	69.1		56.5	50.0	57.5		60.0	52.5	53.2		54.0	49.0
10:10	56.1	57.8	57.5	51.0	60.9	59.4	63.0	55.5	57.0	57.2	59.0	50.0	55.1	55.2	57.0	51.5	58.6	62.7	60.5	51.5	58.1	59.5	61.0	54.0	59.5	56.4	61.5	50.5
10:15	56.1		57.0	51.5	58.4		60.5	55.0	60.9		62.5	53.0	53.9		56.0	50.0	59.1		59.5	51.5	61.7		65.0	55.5	56.4		60.0	50.5
10:20	57.3		60.5	51.5	60.8		64.0	55.0	56.4		60.5	49.5	57.1		59.5	51.0	58.8		59.0	51.5	58.9		62.0	54.5	54.2		54.5	49.5
10:25	58.1		61.0	50.0	58.1		60.0	54.0	54.9		57.0	50.5	53.1		53.5	48.5	55.6		57.5	52.0	59.7		62.5	55.0	53.8		55.5	49.5
10:30	53.0		54.5	49.5	58.1		61.0	52.0	57.3		59.5	50.5	54.3		55.5	50.5	55.2		56.5	52.0	58.3		60.5	54.5	56.7		57.0	49.5
10:35	54.3		55.0	50.0	58.2		60.5	54.5	55.0		56.5	49.5	56.1		57.5	50.0	57.9		62.0	51.0	59.1		61.5	55.5	52.3		53.5	48.0
10:40	54.3	54.0	56.0	51.0	59.7	58.8	62.5	55.5	56.2	58.3	58.0	51.0	54.6	56.8	55.5	50.5	54.1	55.2	55.5	51.0	58.5	58.4	61.0	55.5	53.1	54.0	54.5	49.5
10:45	55.0		56.0	52.5	60.7		64.0	55.0	58.3		61.0	53.5	60.6		65.0	51.0	53.8		55.5	50.5	57.8		59.5	55.0	54.8		56.5	50.5
10:50	53.6		55.0	50.5	58.2		60.0	54.0	60.7		63.5	55.0	56.7		59.5	50.0	54.0		55.5	51.0	58.6		61.0	54.5	52.9		54.5	48.5
10:55	53.8		55.5	50.5	56.9		59.0	53.0	59.7		62.5	54.5	54.5		56.0	49.0	54.4		55.5	52.0	58.2		61.0	54.0	52.1		53.5	48.0
11:00	54.9		57.5	51.0	55.5		57.5	52.5	60.9		64.0	54.0	57.6		60.0	52.5	53.7		55.5	50.5	57.7		60.0	53.5	53.5		55.0	50.0
11:05	54.4		56.5	50.0	55.3		56.5	52.5	58.3		61.0	53.5	54.7		57.5	49.0	53.2		55.0	49.5	56.7		58.5	53.5	52.9		54.0	49.5
11:10	59.7	55.8	61.5	53.5	59.7	56.8	62.0	52.5	61.1	59.4	62.0	52.0	52.8	54.7	54.0	48.5	56.5	55.8	58.5	52.5	60.3	59.0	63.5	53.5	59.5	55.3	60.5	49.5
11:15	54.4		55.5	51.5	57.5		59.0	54.0	61.1		63.5	55.0	54.3		56.0	49.5	57.9		58.0	50.5	61.4		64.0	54.5	55.3		57.5	50.5
11:20	53.7		55.0	50.5	55.5		56.5	52.5	55.0		56.0	50.5	53.5		54.5	49.0	55.1		56.5	51.0	58.3		61.0	54.0	52.3		53.5	48.5
11:25	54.4		55.5	50.5	55.4		57.5	52.0	56.7		60.0	52.0	53.2		55.0	49.0	56.5		57.5	52.5	57.8		60.5	54.0	53.4		55.0	49.0
11:30	56.4		58.5	49.5	57.3		57.5	52.0	54.1		56.0	50.0	56.6		58.0	49.5	54.1		56.0	50.5	56.8		58.0	55.0	57.5		59.5	49.0
11:35	53.7		56.5	48.5	58.0		60.5	53.0	56.4		58.5	50.5	54.7		56.5	50.5	53.9		55.5	48.5	59.2		61.0	55.0	52.0		53.5	47.5
11:40	53.0	55.5	54.5	49.0	55.7	57.1	57.0	52.0	55.4	56.1	58.0	50.0	52.4	55.8	54.0	48.5	52.6	53.3	54.5	48.0	57.1	57.1	57.5	54.5	52.5	53.9	54.0	48.0
11:45	58.8		58.0	51.0	56.2		57.5	53.0	55.0		57.0	51.0	59.2		59.5	52.5	53.2		55.0	49.0	58.2		60.5	55.0	53.1		54.5	49.0
11:50	54.5		54.0	49.0	54.6		56.0	51.5	59.5		60.0	51.5	54.4		56.5	51.0	53.0		55.0	49.0	55.0		56.0	52.5	52.2		53.5	48.0
11:55	53.5		55.5	49.5	59.2		59.5	51.5	53.5		55.5	50.0	53.9		55.0	49.5	53.1		54.5	49.5	54.5		55.5	52.5	52.9		54.5	48.0
12:00	56.4		57.0	50.0	54.0		55.0	51.0	54.1		54.5	48.5	53.1		54.5	49.0	55.1		58.5	49.5	59.1		60.0	53.0	53.0		53.5	46.5
12:05	56.2		59.0	50.5	52.6		54.0	49.5	57.2		60.5	50.0	57.7		61.0	50.0	52.5		54.0	48.5	55.6		58.0	52.5	53.5		54.5	49.0
12:10	58.9	56.4	58.5	50.0	56.4	54.7	57.5	50.0	55.6	55.2	58.5	50.5	58.3	55.4	59.0	48.0	52.9	54.9	54.5	49.0	54.7	57.5	56.5	52.0	58.9	54.7	58.0	48.0
12:15	55.2		57.0	51.5	55.7		58.5	51.0	54.2		56.0	51.0	53.1		55.5	48.5	58.5		60.0	50.0	58.0		58.5	54.5	53.1		55.0	48.5
12:20	55.4		56.5	51.5	53.4		54.5	50.5	54.3		56.5	51.0	53.3		54.5	49.0	52.9		54.5	50.0	58.9		58.0	53.5	52.6		54.0	48.5
12:25	55.2		57.0	51.0	54.8		56.5	51.0	54.7		57.0	50.5	52.9		53.5	48.0	54.1		56.5	50.0	56.8		59.0	52.0	52.7		53.5	48.0
12:30	56.4		56.0	49.0	58.1		61.0	51.0	53.3		54.0	49.5	56.5		57.0	49.5	52.7		54.0	48.5	58.9		61.5	55.5	56.4		57.5	50.0
12:35	52.4		53.5	48.5	54.5		55.0	50.5	56.5		56.5	49.5	53.6		55.0	50.0	55.4		55.5	48.0	53.5		55.0	49.5	52.7		54.5	48.0
12:40	59.2	55.2	57.5	50.0	53.1	57.3	55.5	49.5	52.5	55.5	53.5	48.5	59.2	56.5	58.5	50.5	51.8	53.8	53.0	47.5	59.0	56.4	57.5	50.0	52.7	55.0	54.0	48.5
12:45	52.4		54.0	48.5	60.1		63.5	53.0	58.8		58.5	50.0	52.5		54.0	49.0	53.2		55.5	48.0	54.9		57.0	51.5	58.4		58.5	50.0
12:50	52.6		54.0	49.0	59.0		59.0	51.5	54.5		56.0	50.0	55.9		56.5	49.0	54.2		56.5	50.0	55.4		57.0	50.0	53.4		54.5	50.5
12:55	52.9		54.0	49.5	54.4		55.5	51.5	53.7		54.0	49.0	57.9		62.5	48.5	54.5		56.5	50.0	52.8		54.0	48.5	52.4		54.0	48.0

Baseline Noise Monitoring Resutls of N1

Baseline Data for Normal Daytime 0700-1900

Date	18-Jan-2014				20-Jan-2014				21-Jan-2014				22-Jan-2014				23-Jan-2014				24-Jan-2014				25-Jan-2014			
Time	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)
13:00	57.2		59.5	51.0	54.2		55.5	50.5	56.7		57.0	51.0	52.8		54.5	49.0	59.7		62.5	53.5	59.6		63.0	53.5	55.6		56.5	47.5
13:05	52.1		53.5	48.5	56.6		56.5	50.5	58.9		62.0	53.0	56.4		57.0	47.5	58.3		60.5	51.5	58.5		60.0	55.0	52.4		54.0	48.0
13:10	58.7	56.1	58.5	50.0	55.8	57.3	58.0	51.0	64.2	59.0	68.5	55.5	52.8	55.1	55.5	47.5	64.6	64.2	68.0	55.0	59.4	59.5	60.0	58.0	59.0	54.9	60.5	50.5
13:15	55.0		56.5	51.5	56.8		57.5	53.0	54.4		56.5	51.0	58.6		59.0	49.5	65.8		69.5	56.0	59.1		60.0	57.5	52.2		53.5	47.5
13:20	54.6		56.0	50.0	57.0		58.5	53.5	54.3		56.0	51.5	52.8		54.0	49.5	65.5		69.5	56.0	60.1		60.5	59.0	52.1		53.5	48.0
13:25	56.1		59.0	52.0	60.6		59.0	53.0	54.8		55.5	51.5	52.8		54.5	49.0	66.1		70.0	55.5	60.2		60.5	59.5	52.7		54.0	49.0
13:30	58.9		61.5	52.0	58.1		60.5	53.5	56.9		56.5	52.0	56.0		54.0	47.0	63.7		67.0	53.5	60.3		60.5	59.5	52.5		54.0	49.0
13:35	52.8		54.0	49.0	58.4		59.5	54.0	53.5		54.5	51.0	52.3		53.5	48.0	61.9		66.0	53.0	61.3		62.0	59.5	61.0		65.5	49.0
13:40	55.3	55.1	57.0	51.5	58.4	57.9	58.5	54.0	53.6	55.1	54.5	50.0	53.1	54.5	55.0	49.5	53.3	59.2	55.5	49.0	59.3	60.2	60.0	58.5	53.9	57.5	55.0	48.0
13:45	54.3		56.0	51.0	57.0		58.5	53.5	54.8		57.0	51.0	54.0		56.0	50.5	54.1		56.0	51.0	59.8		60.5	59.0	60.8		64.5	51.5
13:50	52.5		53.5	49.0	58.7		61.0	55.0	54.1		55.5	51.5	57.1		60.5	50.0	54.1		56.0	51.0	59.8		60.0	59.0	53.8		54.0	48.5
13:55	52.4		53.5	48.0	56.2		56.5	52.0	56.3		59.5	51.5	52.4		54.0	49.0	56.0		59.5	51.5	60.6		62.0	59.5	53.4		53.5	48.0
14:00	53.6		55.0	50.5	55.4		56.5	52.0	54.3		56.0	51.0	53.3		54.5	48.5	52.4		54.0	48.5	60.1		60.5	59.0	52.1		53.5	48.0
14:05	54.2		55.0	50.0	54.6		55.5	50.0	53.7		55.0	51.0	52.8		54.0	48.0	54.1		56.0	50.0	60.2		61.0	59.0	54.1		57.5	48.0
14:10	59.4	55.5	60.5	51.5	58.7	56.6	61.0	51.5	59.5	56.2	60.5	52.0	58.5	55.3	60.0	48.5	58.8	55.7	59.0	50.5	61.7	60.1	62.5	59.0	54.1	54.4	54.0	47.5
14:15	54.9		56.5	52.0	57.5		59.0	52.5	56.2		58.0	52.5	54.0		55.5	49.0	56.0		58.0	52.5	60.4		61.0	57.5	57.3		55.0	49.5
14:20	54.4		57.0	49.5	56.7		58.0	51.5	54.1		55.5	51.5	52.2		53.5	48.5	54.0		56.0	50.0	58.8		60.0	57.5	52.8		54.0	49.0
14:25	52.6		54.0	48.5	54.9		56.0	51.5	56.6		57.5	52.5	57.0		58.5	50.5	55.8		57.0	53.5	58.5		59.5	56.5	54.1		55.0	49.0
14:30	56.4		56.0	50.5	57.2		58.5	53.5	55.5		56.5	52.0	59.7		60.5	50.5	56.0		56.0	52.0	58.1		59.0	56.5	52.6		53.5	48.0
14:35	54.1		57.0	50.0	57.7		60.0	53.0	53.6		55.0	51.0	52.4		54.0	48.5	56.2		56.5	50.5	57.7		58.5	56.0	55.8		55.5	48.5
14:40	55.2	55.9	58.5	50.0	53.6	56.4	55.0	50.0	59.7	56.6	63.0	51.5	51.8	55.8	53.0	47.5	53.7	57.4	55.5	50.5	58.7	60.7	60.0	57.0	51.7	53.7	53.0	47.5
14:45	54.2		56.5	50.5	58.7		59.0	51.0	56.9		60.0	52.0	53.4		55.0	49.0	58.7		62.0	52.0	62.5		64.0	60.0	53.2		55.0	49.0
14:50	58.8		58.0	50.0	55.0		56.5	52.0	55.9		58.5	52.0	58.0		60.0	50.0	60.8		64.5	52.5	62.5		64.5	60.0	55.2		58.0	49.5
14:55	54.7		56.5	50.5	53.8		55.0	51.0	55.3		57.0	52.0	52.4		53.5	48.0	54.9		57.0	51.5	61.7		63.5	59.5	52.3		53.5	48.0
15:00	55.7		54.0	49.0	54.7		57.0	50.5	56.3		56.5	50.5	52.2		53.5	48.0	54.5		56.5	51.0	64.1		66.0	59.0	58.2		58.5	49.0
15:05	54.9		56.5	50.5	57.8		59.5	52.0	58.1		60.0	51.5	55.8		56.0	48.5	53.8		55.0	49.0	59.6		62.5	56.5	53.5		55.0	50.0
15:10	54.8	54.4	56.5	51.0	53.6	55.7	55.0	50.0	63.1	60.7	66.5	55.0	52.1	53.2	53.5	48.0	57.4	55.3	59.0	49.5	58.2	60.7	59.0	56.5	52.3	56.1	53.5	48.0
15:15	54.0		56.0	50.0	56.6		58.0	53.0	56.7		59.0	52.5	52.7		54.5	49.0	55.0		56.5	52.5	59.7		62.0	57.0	57.1		58.5	50.5
15:20	52.7		54.0	49.5	54.9		56.5	52.0	57.2		59.5	53.5	52.6		54.0	48.5	55.1		57.0	51.5	59.6		60.5	57.5	53.7		55.5	49.0
15:25	53.6		55.5	49.5	55.2		57.0	51.5	64.6		68.5	52.0	52.5		54.0	48.5	55.3		57.5	51.5	60.0		60.5	58.5	58.0		62.0	50.5
15:30	54.2		56.0	51.0	53.5		55.0	50.5	54.8		56.5	51.0	52.7		54.0	48.5	56.4		58.5	52.0	62.6		65.5	60.0	56.4		59.0	50.5
15:35	52.7		54.0	49.0	54.6		56.5	50.5	54.3		55.5	52.0	53.2		55.0	49.5	56.9		58.5	52.5	63.7		66.5	60.5	59.4		64.0	49.0
15:40	53.7	55.1	55.5	49.5	56.4	55.9	59.0	51.5	56.2	55.9	58.0	50.5	53.7	54.9	56.0	50.0	63.7	59.0	66.5	55.5	65.0	64.6	66.5	61.0	52.5	56.4	53.5	47.5
15:45	54.0		55.0	51.0	54.8		56.0	50.5	59.6		61.0	52.5	53.5		55.5	49.5	56.2		58.0	52.5	65.4		66.5	63.5	53.5		55.5	49.0
15:50	53.7		56.0	50.0	55.1		56.0	51.0	53.6		55.0	50.5	52.3		54.0	48.0	54.9		56.0	50.5	67.1		68.5	60.5	58.2		62.5	49.0
15:55	58.9		59.0	50.5	58.8		61.0	50.0	52.8		54.5	49.5	59.1		60.0	48.0	58.8		58.0	51.5	61.4		62.0	60.5	53.6		53.5	47.5
16:00	53.2		54.5	49.0	55.1		56.0	51.0	53.3		55.5	49.0	53.3		55.0	49.5	54.3		55.5	50.0	61.2		62.0	59.0	54.0		55.5	49.0
16:05	54.3		56.0	50.5	53.5		54.0	49.5	55.7		54.5	49.0	52.4		54.0	48.5	57.0		59.5	49.5	60.8		63.0	58.0	52.6		54.0	48.5
16:10	57.1	54.6	58.0	50.5	56.5	56.2	57.5	49.5	53.5	54.1	55.5	49.5	56.0	53.6	56.5	48.0	56.5	56.0	57.5	49.5	59.3	59.9	60.0	57.5	52.2	52.9	53.5	48.0
16:15	53.5		55.0	50.0	56.1		57.5	51.0	52.8		54.5	49.0	52.0		53.5	48.0	54.1		55.5	50.5	59.9		60.5	58.5	53.2		55.5	48.5
16:20	53.3		54.5	50.5	53.5		55.0	50.5	54.4		56.5	51.0	54.3		56.0	50.5	58.3		60.0	50.5	58.8		59.5	57.0	53.3		55.0	49.0
16:25	54.7		57.0	50.5	59.3		63.0	50.0	54.2		55.0	50.5	52.4		54.0	49.0	53.6		54.5	49.5	58.4		58.0	51.0	52.0		53.5	47.5
16:30	59.6		59.0	50.5	54.1		55.0	49.5	54.7		57.0	51.0	53.0		54.5	49.5	52.8		54.0	49.5	61.3		64.5	51.0	52.6		54.0	49.0
16:35	53.7		55.0	51.0	53.4		55.0	50.0	52.7		54.0	49.5	52.6		54.0	49.5	56.6		57.5	49.5	62.5		66.5	53.0	52.9		54.0	48.5
16:40	55.4	56.5	57.0	51.0	56.5	55.4	57.5	49.5	52.7	53.9	54.0	48.5	52.4	54.5	54.0	48.5	52.8	55.5	54.5	48.5	64.2	62.9	68.0	56.5	59.2	55.4	60.0	50.0
16:45	55.5		58.0	52.0	58.8		57.5	50.0	55.1		57.5	51.5	58.2		59.0	50.0	59.3		61.5	49.5	63.1		65.0	56.5	53.5		55.0	50.0
16:50	57.5		58.5	53.0	53.4		55.5	49.5	53.8		55.5	50.0	54.3		57.0	50.0	52.3		53.5	48.5	61.1		65.0	53.0	57.1		56.5	49.5
16:55	54.0		55.5	51.0	52.9		54.5	49.5	53.7		55.5	50.5	53.3		54.5	49.0	54.1		56.0	51.0	64.1		65.0	54.5	51.9		53.5	48.0
17:00	52.4		53.5	49.0	56.5		57.5	49.0	53.4		55.5	49.5	52.9		54.5	48.5	56.7		57.5	49.5	65.4		70.0	52.0	57.9		58.5	48.0
17:05	52.3		54.0	48.5	52.0		53.0	48.0	53.4		56.0	49.0	55.5		55.0	48.5	52.4		54.0	48.5	59.1		63.5	50.5	51.8		53.0	47.0
17:10	53.8	54.2	56.5	49.0	52.3	54.0	53.5	48.5	53.6	53.6	55.0	49.5	53.0	53.2	54.0	49.5	54.1	54.1	57.5	49.0	55.2	60.6	57.5	50.0	51.6	55.6	53.0	47.0
17:15	54.9		57.0	52.0	54.9		58.0	50.0	55.4		58.0	51.5	52.3		53.5	48.5	53.7		56.0	49.5	60.6		64.5	53.0	54.2		55.0	49.5
17:20	56.3		58.0	50.5	53.7		55.5	50.0	53.2		55.0	49.0	52.5		54.0	49.0	52.9		54.5	49.0	58.9		63.0	51.5	56.8		60.5	49.5
17:25	54.0		56.5	50.0	52.5		54.0	49.0	51.8		53.0	48.0	51.9		53.0	48.0	53.2		56.5	48.0	56.1		55.0	49.5	57.0		61.0	49.0
17:30	53.1		54.5	50.0	52.0		53.5	48.5	52.0		54.0	47.5	51.7		53.0	47.0	53.4		55.0	50.0	52.4		54.0	48.0	55.5		59.0	49.5
17:35	59.9		60.5	51.0	52.5		54.0	49.0	53.0		54.5	49.0	52.1		53.0	47.5	58.8		57.0	50.0	52.9		54.0	49.5	51.7		53.0	47.0
17:40	54.6	56.2	56.5	50.5	52.7	53.1	54.0	49.0	51.8	54.6	53.0	48.0	51.4	51.9	52.5	47.0	52.0	54.6	53.5	48.5	58.7	67.8	58.5	50.0	59.8	56.3	59.0	49.0
17:45	55.5		57.5	50.5	53.0		54.5	50.0	53.5		55.0	50.5	52.6		54.5	47.5	53.4		55.5	49.0	71.7		77.0	53.5	51.9		53.5	47.5
17:50	53.3		55.0	50.0	54.5		56.5	51.5	59.2		58.0	51.5	52.2		53.5	48.0	53.3		55.0	49.5	70.2		75.5	52.0	58.8		56.5	48.0
17:55	56.5		56.0	51.5	53.3		55.0	50.0	52.0		53.5	48.0	51.5		53.0	47.0	51.8		53.0	47.5	69.9		74.0	51.0	52.1		53.5	47.5
18:00	55.2		56.5	51.0	53.0		54.5	50.0	51.9		53.5	47.5	51.5		53.0	47.0	56.1		56.5	48.0	72.7		78.5	53.0	51.6		53.0	47.5
18:05	51.7		53.0	47.5	53.2		55.0	50.0	55.8		56.0	49.5	54.9		54.0	47.5	53.9		56.0	50.0	68.1		71.5	50.0	51.6		53.0	47.0
18:10	52.6	55.0	54.5	48.0	52.2	53.6	53.5	49.0	52.6	53.4	54.0	49.0	51.6	52.5	53.0	47.0	55.5	55.9	57.5	50.0	68.3	68.3	71.5	53.0	55.9	54.6	57.5	47.5
18:15	58.7		59.0	51.0	53.9		55.5	50.0	52.6		54.5	48.5	52.1		53.5	48.5	56.1		58.0	49.5	68.6		73.0	53.0	54.8		56.0	49.0
18:20	53.6		56.0	49.0	55.1		57.0	52.0	54.0		57.0	49.5	52.7		54.5	48.5	58.8		59.0	50.0	59.4		60.5	51.0	53.8		55.0	48.5
18:25	54.5		56.5	50.0	53.4		55.0	50.0	52.3		53.5	49.0	51.3		52.5	46.5	52.5		54.0	49.0	53.2		55.0	49.0	57.1		57.5	48.0
18:30	57.1		58.5	49.5	54.1		56.0	50.5	53.4		56.0	48.5	52.5		54.5	47.5	53.6		56.0	49.5	53.8		56.5	49.0	52.3		53.5	47.5
18:35	53.7		55.0	48.5	55.9		59.0	51.0	51.6		53.0	47.5	51.4		53.0	47.0	51.5		53.0	47.0	60.7		65.5	49.5	52.0		53.0	47.0
18:40	53.5	54.4	56.0	49.0	53.0	54.0	54.5	49.5	58.1	54.4	59.5	48.0	51.4	54.4	53.0	47.0	56.5	54.1	57.5	50.0	60.1	57.8	64.5	49.5	53.4	55.2	53.5	48.0
18:45	54.1		56.0	51.0	53.8		55.5	50.0	54.5		57.0	50.5	59.6		59.5	47.5	54.1		56.0	50.5	59.1		61.5	50.0	52.6		54.5	48.5
18:50	54.1		56.0	51.0	53.1		54.5	49.5	53.5		55.0	50.5	52.4		54.0	48.5	55.0		57.0	52.0	53.8		55.5	49.5	60.1		63.0	48.5
18:55	52.6		54.0	49.0	53.2		55.0	49.5	51.7		53.0	48.0	51.2		52.5	46.5	51.6		53.0	47.5	51.7		53.0	47.5	53.5		55.5	48.5

Note: Measurement undertaken free-field situation.

Baseline Noise Monitoring Resutls of N1

Baseline D

Date	27-Jan-2014				28-Jan-2014				29-Jan-2014				30-Jan-2014			
Time	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)
07:00	51.6		53.0	47.0	51.9		56.5	38.0	53.4		57.0	44.5	50.8		55.0	44.0
07:05	51.6		53.0	47.0	52.9		56.5	41.0	52.7		56.0	46.5	52.4		54.5	46.0
07:10	55.2	53.6	58.0	49.0	52.6	53.0	56.0	45.5	52.1	52.9	54.0	48.0	51.5	52.6	54.0	45.0
07:15	53.7		56.5	48.0	53.5		57.5	44.0	54.7		58.0	47.5	52.1		55.0	46.0
07:20	53.5		55.5	50.0	54.5		59.0	46.5	51.6		55.0	45.5	53.2		56.5	47.0
07:25	54.8		57.0	51.0	51.9		55.0	46.0	52.3		55.5	46.0	54.6		57.5	47.5
07:30	55.3		57.5	51.5	58.8		62.5	50.0	53.3		56.5	45.0	55.1		58.0	49.5
07:35	53.7		55.0	50.0	53.8		56.0	46.5	53.7		57.5	47.0	53.2		56.0	47.5
07:40	53.8	53.8	55.5	50.5	53.9	55.5	57.0	47.0	52.3	53.9	55.5	44.5	57.0	55.7	60.5	48.5
07:45	52.5		54.0	48.5	54.4		58.0	48.0	54.2		57.5	47.5	57.0		59.0	49.5
07:50	54.0		56.0	50.0	55.9		59.5	47.5	55.6		59.5	45.5	57.0		60.0	49.5
07:55	53.2		55.0	49.0	53.8		57.5	43.5	53.5		57.0	44.5	52.6		56.0	46.5
08:00	55.6		59.0	50.5	51.9		56.0	44.0	55.3		59.5	44.5	57.5		61.5	47.5
08:05	53.9		55.5	50.0	57.2		61.0	47.0	54.7		59.0	46.5	71.2		62.5	46.5
08:10	54.3	54.7	56.5	50.0	54.4	55.7	58.0	47.0	49.3	54.2	51.5	42.5	53.1	63.9	56.5	44.5
08:15	54.0		55.5	51.0	55.8		58.5	48.0	53.6		56.5	47.0	54.8		58.5	46.0
08:20	52.8		54.0	49.5	55.4		58.5	49.5	55.8		59.0	49.5	53.2		56.5	47.0
08:25	56.7		59.5	52.0	57.4		61.0	49.0	54.1		57.0	48.5	55.9		60.0	46.5
08:30	56.3		59.0	51.5	56.2		60.0	48.5	52.3		55.0	47.0	56.8		60.5	49.5
08:35	56.2		58.5	52.0	55.6		59.0	48.5	59.9		63.0	49.0	55.6		59.0	49.5
08:40	58.6	56.3	62.0	52.0	55.5	55.8	59.0	47.0	55.2	56.4	58.5	48.5	51.8	54.9	55.5	44.5
08:45	56.5		59.0	52.0	55.3		59.0	48.0	54.5		58.0	47.5	53.7		57.0	45.0
08:50	54.8		57.0	50.5	55.4		58.0	49.5	57.6		61.0	49.5	55.0		58.0	47.5
08:55	54.1		55.5	49.5	56.5		60.0	50.0	54.2		57.5	48.5	54.8		58.0	48.0
09:00	52.9		54.5	49.0	54.5		57.5	48.5	53.6		56.5	49.0	53.4		57.0	45.5
09:05	54.2		55.5	50.0	53.6		56.5	48.5	52.9		56.0	46.5	50.1		53.0	44.0
09:10	59.7	61.2	61.5	51.5	55.7	55.7	59.0	48.5	58.8	56.1	60.5	48.5	58.1	55.5	59.5	45.5
09:15	60.9		62.5	57.0	56.7		60.0	49.0	55.6		58.0	45.5	58.2		61.0	47.0
09:20	63.4		65.0	61.0	57.6		60.0	52.5	53.6		56.5	47.0	54.8		58.0	46.5
09:25	64.9		66.5	63.0	54.8		58.5	47.0	58.3		57.5	47.5	53.5		57.5	46.0
09:30	64.9		66.5	62.0	55.0		58.0	49.0	53.4		56.0	47.0	57.7		61.5	45.5
09:35	66.1		66.5	65.0	58.7		63.0	48.5	55.3		56.5	46.0	56.9		59.5	47.0
09:40	65.5	63.7	66.0	64.5	57.8	56.6	60.5	48.0	54.8	55.1	58.0	47.0	58.4	58.0	62.5	53.5
09:45	59.8		60.5	58.5	55.1		58.5	47.5	55.9		59.5	46.5	59.2		63.0	53.0
09:50	59.8		60.5	58.5	56.7		58.0	47.0	55.8		59.0	50.5	58.6		60.0	52.0
09:55	62.0		64.0	58.5	54.9		58.5	47.0	54.9		58.0	48.0	56.6		60.5	47.5
10:00	63.8		67.5	58.0	54.7		58.0	46.5	55.6		58.5	48.5	58.6		61.0	45.0
10:05	63.8		66.5	59.0	52.7		55.5	47.0	55.1		58.5	48.5	59.6		62.0	54.0
10:10	65.7	64.6	69.5	59.5	59.4	56.1	63.0	49.5	58.7	56.6	61.0	48.0	61.1	58.6	65.5	46.5
10:15	65.0		67.5	59.5	56.2		60.0	48.5	55.2		57.5	50.5	56.1		58.5	50.5
10:20	64.2		67.0	60.0	55.4		58.0	50.0	58.6		62.0	51.0	58.4		62.5	46.5
10:25	64.7		67.5	60.0	55.0		57.5	49.0	54.4		57.5	47.0	55.4		59.5	45.5
10:30	63.9		67.5	58.5	56.9		60.0	48.5	54.9		56.0	46.5	57.3		60.0	46.5
10:35	63.1		66.0	57.5	56.7		59.5	48.0	48.6		50.5	44.5	51.4		54.5	44.0
10:40	60.3	63.4	61.5	58.5	53.0	55.9	57.0	46.0	57.8	53.6	60.0	44.5	55.2	54.7	58.5	46.0
10:45	61.9		63.0	60.0	57.5		61.0	49.5	53.2		56.0	47.0	56.8		59.0	47.5
10:50	65.1		67.5	61.0	55.9		59.5	45.0	49.5		52.0	45.0	52.2		53.5	47.0
10:55	64.4		66.5	61.5	54.0		57.0	45.5	50.1		53.5	45.5	51.1		54.5	45.5
11:00	61.1		62.0	59.0	55.4		57.5	47.5	51.4		53.5	47.0	53.8		56.0	46.0
11:05	61.8		63.0	58.5	51.7		55.0	46.0	54.8		53.5	46.5	52.3		55.0	42.5
11:10	62.3	61.6	64.0	57.0	53.1	53.5	56.0	48.5	59.9	54.9	64.5	46.5	56.9	53.2	57.5	40.0
11:15	59.6		60.5	58.0	52.1		54.5	47.5	52.3		55.0	46.5	52.0		54.5	44.5
11:20	60.9		64.0	57.5	55.4		58.5	47.5	52.9		55.5	47.5	51.2		51.5	43.0
11:25	63.1		67.0	56.5	51.6		56.0	44.5	48.8		51.0	44.0	48.5		51.5	42.0
11:30	59.7		61.5	56.5	50.8		53.5	44.5	50.0		52.5	46.0	55.8		57.5	45.5
11:35	59.8		60.0	56.5	54.3		55.0	43.5	55.4		56.0	48.5	48.1		51.0	43.0
11:40	60.9	58.5	62.5	56.5	57.1	53.8	59.5	48.0	50.0	54.3	52.0	46.5	55.9	54.0	59.0	43.0
11:45	57.8		59.5	53.0	54.0		57.5	44.5	58.3		57.0	47.0	54.6		57.5	47.0
11:50	54.0		56.0	50.0	51.3		53.0	48.0	54.3		57.0	48.5	54.6		57.0	47.5
11:55	54.0		54.5	49.0	51.3		54.5	46.5	50.9		53.5	46.0	50.4		53.0	41.5
12:00	56.0		55.0	48.5	54.7		57.0	44.5	49.5		52.5	44.5	54.0		53.0	40.0
12:05	53.7		55.5	48.5	50.3		54.0	42.5	54.5		58.0	44.5	52.3		57.0	42.0
12:10	59.5	57.1	59.0	47.5	50.4	51.8	52.0	45.0	58.1	53.6	60.5	45.5	58.3	54.2	60.5	41.5
12:15	53.3		54.5	49.0	50.8		53.5	46.5	51.9		54.5	47.0	54.5		57.0	46.0
12:20	54.2		56.5	49.0	52.2		56.0	45.5	49.3		51.0	46.0	48.5		52.0	42.0
12:25	60.3		62.0	56.5	50.6		50.5	44.5	50.2		52.5	46.0	50.5		55.0	41.5
12:30	62.9		66.0	60.0	55.4		58.0	43.5	55.4		58.0	43.5	55.0		58.0	41.5
12:35	56.9		60.0	46.5	48.0		50.5	44.0	50.0		50.5	45.0	48.1		52.0	40.5
12:40	56.0	57.4	58.0	45.5	55.8	54.3	56.0	44.5	57.2	54.9	58.0	47.0	49.3	51.5	53.0	42.5
12:45	53.3		57.0	46.5	50.9		53.5	46.5	58.0		60.5	42.5	53.7		56.5	43.5
12:50	50.7		53.0	45.5	55.9		60.0	48.5	51.8		55.0	46.5	49.9		52.5	44.5
12:55	49.6		52.5	42.5	55.1		56.5	46.0	49.5		52.0	43.0	47.2		50.5	42.0

Baseline Noise Monitoring Resutls of N1

Baseline D

Date	27-Jan-2014				28-Jan-2014				29-Jan-2014				30-Jan-2014			
Time	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)	Leq5min	LAeq30min	L10(5mins)	L90(5mins)
13:00	50.1		53.5	42.5	49.1		51.5	44.5	49.4		51.0	44.0	50.4		53.5	41.5
13:05	51.4		55.0	43.5	54.5		58.5	43.0	47.2		49.5	42.0	47.4		49.5	40.5
13:10	46.8	52.2	48.5	43.0	58.7	54.2	60.0	47.0	45.5	52.1	47.0	42.0	56.6	51.8	56.0	42.5
13:15	57.4		58.0	43.5	49.9		51.5	47.0	57.5		58.0	43.5	48.9		51.5	43.0
13:20	50.2		53.0	44.5	53.2		56.5	48.5	47.5		49.5	43.5	46.4		48.5	41.5
13:25	46.9		49.0	43.5	52.3		56.0	44.5	52.8		52.5	44.0	52.0		56.0	43.5
13:30	53.5		52.5	40.5	55.9		59.0	46.0	52.2		55.0	43.0	54.5		54.0	41.0
13:35	49.6		52.5	40.5	56.5		58.0	43.5	53.3		50.0	41.0	47.1		50.0	39.5
13:40	50.8	50.7	53.5	45.5	53.9	54.6	56.0	47.0	45.5	52.3	47.5	41.5	49.2	49.8	53.5	41.0
13:45	50.1		53.0	45.0	54.3		57.0	48.5	48.4		51.5	43.0	46.9		50.0	41.5
13:50	49.3		52.0	43.5	50.7		53.0	47.0	49.0		51.5	44.5	48.0		50.5	42.0
13:55	49.5		51.5	44.0	53.9		57.0	47.0	56.5		61.5	43.0	46.1		49.0	41.0
14:00	50.4		53.0	44.5	53.0		55.0	48.0	48.9		51.0	45.5	47.3		50.0	41.5
14:05	59.8		62.0	46.5	58.9		63.0	45.0	54.5		57.0	45.5	48.1		51.0	39.0
14:10	49.7	54.7	53.5	40.5	50.0	55.8	53.0	44.5	59.3	55.6	59.0	51.5	56.8	53.5	58.0	43.0
14:15	53.1		56.0	48.0	57.7		60.0	52.0	55.3		57.0	52.5	57.8		61.5	47.5
14:20	53.5		57.5	46.5	54.6		57.5	48.5	55.1		57.5	52.5	48.9		51.5	44.0
14:25	52.9		56.5	46.5	55.3		58.5	48.0	54.5		55.5	46.5	48.9		50.5	43.5
14:30	55.4		58.0	46.0	51.3		55.0	45.0	55.1		57.5	45.0	51.9		52.0	40.5
14:35	56.7		59.0	45.0	54.0		57.0	47.5	47.1		49.5	42.5	47.2		50.5	40.5
14:40	51.2	53.7	54.0	43.0	58.7	56.6	60.5	49.5	57.3	53.4	58.0	43.5	58.9	54.5	61.5	44.0
14:45	49.7		52.0	45.0	55.3		57.0	51.5	52.3		55.0	45.0	55.5		59.0	47.5
14:50	52.2		56.0	46.0	58.5		61.0	47.0	50.7		53.0	46.0	51.3		54.0	47.5
14:55	52.9		56.0	44.0	57.3		58.5	47.5	50.5		53.0	45.5	53.1		57.0	45.5
15:00	54.3		55.5	43.5	55.7		58.5	44.5	47.6		50.5	43.0	55.4		58.0	44.5
15:05	53.4		57.5	46.0	51.2		53.5	46.0	55.8		57.5	46.5	49.0		51.5	44.5
15:10	48.9	52.5	52.5	41.5	60.4	55.6	65.0	48.0	52.4	54.1	55.5	46.0	48.8	52.4	52.0	43.5
15:15	54.1		53.5	42.5	53.8		57.0	49.0	55.0		56.0	53.0	52.9		55.5	45.5
15:20	50.5		51.5	44.0	52.9		56.0	49.0	55.7		56.5	52.5	49.8		52.0	45.5
15:25	51.3		54.5	43.5	52.0		54.0	46.5	53.6		55.5	44.5	53.9		56.0	47.5
15:30	47.9		50.0	42.5	51.2		53.5	46.0	50.7		53.5	46.0	55.1		60.0	43.5
15:35	49.2		50.5	43.0	52.3		56.5	45.0	48.7		51.5	42.5	53.0		57.0	43.5
15:40	58.4	54.2	60.0	45.0	56.5	54.8	58.5	45.0	52.9	53.2	57.5	41.5	54.9	54.3	59.0	44.0
15:45	53.9		57.5	46.5	55.7		58.5	48.5	57.9		59.5	42.5	51.0		54.0	44.5
15:50	52.1		55.0	46.5	55.7		58.5	49.0	50.4		53.0	44.5	57.7		59.0	43.5
15:55	55.3		57.0	45.0	55.0		57.5	49.0	51.1		53.5	47.5	48.0		50.5	42.0
16:00	50.6		53.5	44.5	56.5		59.0	47.5	51.6		55.0	44.5	51.4		56.0	41.0
16:05	51.5		53.5	43.5	50.4		53.5	44.0	56.3		58.0	53.5	55.3		58.0	44.0
16:10	51.8	52.2	55.5	44.0	51.6	54.6	54.5	42.0	56.2	56.1	57.0	54.0	54.3	55.2	57.5	46.5
16:15	51.5		54.5	45.0	53.6		56.0	48.5	58.7		62.5	45.0	55.2		59.0	47.5
16:20	53.0		55.5	47.5	52.2		54.5	47.0	56.7		61.0	47.5	56.2		60.0	46.0
16:25	53.9		57.5	47.5	58.0		59.0	47.0	54.3		57.0	47.5	57.0		61.0	45.5
16:30	54.4		57.5	47.5	54.3		58.0	46.5	53.0		55.0	46.0	52.2		56.0	45.0
16:35	54.6		57.5	47.5	52.5		55.5	46.0	54.5		55.5	44.0	52.9		57.5	45.0
16:40	58.5	55.0	60.0	47.5	56.1	54.2	58.5	47.0	57.4	53.7	61.5	43.0	54.7	53.4	58.0	48.0
16:45	53.2		55.5	44.5	54.8		57.0	49.5	51.6		56.0	42.0	54.5		58.0	47.5
16:50	53.4		56.5	46.0	51.9		55.5	46.0	51.2		53.5	46.5	52.8		55.5	49.0
16:55	52.8		55.5	47.0	54.4		57.5	48.5	50.0		53.5	45.0	52.6		55.0	48.0
17:00	57.5		59.5	46.0	53.4		57.0	45.0	49.0		51.5	44.5	58.8		63.0	47.5
17:05	51.2		54.0	46.0	55.6		58.0	46.0	54.6		56.5	43.5	58.1		62.5	46.5
17:10	53.6	53.9	57.0	46.0	57.6	55.4	59.0	45.5	54.1	54.1	57.5	43.5	53.8	56.7	57.0	46.0
17:15	52.1		55.0	45.0	56.4		59.5	50.0	47.6		50.5	42.0	59.3		59.0	49.0
17:20	54.0		57.0	48.0	53.0		56.0	48.0	50.3		53.5	45.5	52.5		55.5	45.5
17:25	51.1		54.0	45.5	54.3		58.0	48.5	58.7		62.5	45.0	51.5		54.5	44.0
17:30	52.2		56.0	44.0	50.5		53.0	46.0	56.7		60.5	44.5	55.4		57.5	45.5
17:35	49.5		51.5	43.5	52.9		56.0	47.5	48.2		50.5	42.0	59.9		63.0	45.0
17:40	58.0	53.3	59.5	45.5	54.8	53.8	58.0	49.0	53.2	52.4	57.0	43.0	51.8	55.5	54.5	44.0
17:45	53.9		58.5	43.5	51.6		55.0	44.5	52.9		56.5	41.0	56.4		59.5	49.5
17:50	49.3		52.5	43.5	52.3		55.5	44.5	47.0		49.0	44.0	52.1		55.0	46.0
17:55	48.2		51.5	42.0	57.2		60.5	47.0	46.8		48.5	42.0	48.4		53.5	38.5
18:00	55.8		60.0	38.5	50.1		53.5	42.5	47.1		49.5	41.5	53.6		50.5	41.0
18:05	50.4		53.5	39.5	46.7		49.5	42.0	52.6		53.5	38.5	51.5		57.0	41.5
18:10	51.3	54.8	51.5	42.5	47.1	52.8	51.5	40.5	43.8	48.5	46.5	38.5	49.4	52.1	53.0	44.5
18:15	57.9		58.5	43.0	59.0		58.5	47.0	45.8		49.0	41.0	53.6		56.5	48.0
18:20	56.4		60.0	45.0	49.6		53.0	44.5	47.6		51.0	40.5	52.6		56.5	43.5
18:25	50.6		52.5	42.0	48.4		51.0	43.5	48.6		49.5	41.0	50.3		53.5	44.5
18:30	57.7		61.5	46.5	54.8		56.5	46.0	51.2		54.5	42.0	54.3		57.0	44.0
18:35	44.1		45.5	37.0	47.1		49.5	42.5	44.1		46.5	39.5	48.8		52.0	43.0
18:40	56.2	54.0	60.5	41.5	50.1	51.1	50.5	42.0	53.7	49.7	52.5	39.0	49.4	51.7	53.5	42.0
18:45	55.8		59.5	45.0	51.5		55.0	41.0	46.1		49.0	38.5	54.2		57.5	46.0
18:50	46.9		49.5	41.0	47.4		50.0	43.0	48.7		52.5	41.5	52.1		54.0	45.5
18:55	46.7		50.5	39.5	50.8		54.5	44.5	47.0		50.0	41.5	44.6		47.0	40.5

Note:

Restricted Hours 1900-2300

Baseline Noise Monitoring Resutls of N1

Baseline Data for Restricted Hours 1900-2300

Date	18-Jan-2014				19-Jan-2014				20-Jan-2014				21-Jan-2014				22-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
19:00	56.0		55.5	49.0	56.1		55.5	48.5	52.4		53.5	48.5	55.7		55.0	48.0	56.1		57.0	49.5
19:05	52.8	54.6	54.5	48.5	51.6	53.6	53.0	47.0	52.5	52.9	54.0	48.5	52.7	53.8	54.0	49.5	52.4	54.0	54.0	49.0
19:10	54.5		56.5	51.5	51.4		52.5	47.0	53.6		55.5	49.5	52.3		53.5	49.0	52.5		53.0	46.5
19:15	52.9		54.5	49.5	52.6		54.0	49.0	59.5		60.5	50.5	53.0		54.5	49.5	52.9		55.5	48.0
19:20	53.0	52.7	54.5	50.0	53.1	52.5	55.0	49.0	52.7	56.2	54.0	49.0	52.6	53.0	54.0	49.0	52.0	52.2	53.5	48.0
19:25	52.0		53.5	48.0	51.7		53.0	47.5	52.6		53.5	48.0	53.5		56.0	49.5	51.6		52.5	47.0
19:30	56.7		57.0	50.5	55.5		55.5	49.0	52.1		53.5	48.5	56.4		56.5	49.5	55.8		55.5	47.5
19:35	51.5	54.2	53.0	47.0	51.9	53.7	53.5	48.0	55.8	53.7	56.5	48.0	53.7	54.5	55.5	50.5	52.2	54.0	53.0	46.5
19:40	52.4		54.0	48.0	52.7		55.0	47.5	52.2		54.0	47.5	52.3		53.5	48.5	53.3		54.5	48.5
19:45	52.9		54.5	49.0	54.9		57.5	50.0	53.3		55.0	50.0	53.9		56.0	50.5	52.9		55.0	49.0
19:50	54.2	53.6	56.5	49.5	51.9	53.3	53.0	48.0	52.5	52.9	54.0	48.5	53.0	53.0	54.5	50.0	51.6	52.4	53.0	47.0
19:55	53.6		55.5	49.5	52.5		54.0	48.0	52.9		54.5	49.0	52.0		53.5	48.5	52.6		55.5	46.5
20:00	56.9		60.0	49.0	53.6		56.5	49.0	56.0		58.0	48.5	52.6		55.0	47.5	52.0		53.5	47.5
20:05	53.4	55.1	53.5	48.5	51.1	55.6	52.5	46.0	52.8	54.0	54.0	49.5	55.4	53.8	55.0	49.5	55.9	53.9	56.0	47.5
20:10	54.3		56.0	51.0	58.7		58.0	47.5	52.2		53.5	48.0	52.7		54.0	49.0	52.7		55.0	47.5
20:15	54.3		55.5	51.5	54.1		56.0	51.0	60.2		62.0	50.5	59.0		58.5	51.0	52.4		54.0	48.5
20:20	53.3	53.7	54.5	50.5	52.6	53.9	54.0	48.5	53.4	56.8	55.0	50.0	53.5	56.2	55.5	49.5	52.5	52.5	54.0	49.0
20:25	53.3		56.0	48.5	54.8		57.5	50.0	52.6		54.0	49.0	53.5		56.0	49.0	52.6		55.5	47.5
20:30	51.8		53.0	47.5	55.8		56.5	47.5	55.0		57.5	49.5	52.1		53.5	48.5	55.3		55.5	47.5
20:35	51.4	55.8	53.0	47.0	51.7	53.4	53.0	47.0	57.6	55.5	59.0	51.0	55.5	53.9	57.0	49.0	51.6	53.1	53.0	47.5
20:40	59.3		59.5	49.5	51.2		52.5	46.5	52.4		53.5	48.0	53.3		55.5	48.0	51.3		52.5	47.0
20:45	53.1		54.5	49.5	54.8		57.0	50.5	54.2		55.5	50.5	52.9		54.5	49.5	58.6		60.5	54.0
20:50	51.4	52.5	53.0	47.0	51.8	53.3	53.0	48.0	52.5	53.6	54.0	48.5	52.1	52.2	53.5	48.0	53.1	55.5	54.5	49.5
20:55	52.8		55.5	47.5	52.7		55.0	47.5	54.0		53.5	48.0	51.6		53.0	47.5	51.7		53.0	47.0
21:00	56.4		57.5	49.0	52.5		54.0	48.5	59.2		61.0	49.5	55.8		57.0	48.0	56.3		59.0	48.0
21:05	51.8	54.1	53.0	48.0	55.7	53.9	56.5	50.0	52.4	55.8	53.5	49.0	53.4	54.9	54.0	49.0	52.3	54.0	53.5	49.0
21:10	52.5		54.0	49.0	52.6		54.0	48.0	51.7		53.0	48.0	55.2		56.0	49.0	51.9		53.5	47.5
21:15	54.8		57.5	50.5	55.1		56.5	51.5	53.8		55.5	50.0	53.5		54.5	49.5	53.9		56.0	50.5
21:20	53.8	55.1	56.5	49.0	53.5	54.8	55.0	50.0	53.8	53.4	55.5	50.5	54.1	53.4	56.5	50.0	56.5	55.0	58.5	50.5
21:25	56.3		55.5	49.0	55.5		56.5	49.5	52.3		53.5	49.0	52.3		53.5	49.0	54.1		54.5	49.0
21:30	53.9		56.0	49.0	56.9		57.5	51.0	55.7		56.0	50.0	55.3		56.0	49.5	57.8		60.5	50.0
21:35	52.2	53.2	54.0	48.0	52.3	54.7	53.5	48.5	54.0	54.3	55.5	51.5	53.3	53.9	54.5	50.0	54.2	55.9	56.0	49.5
21:40	53.3		55.5	48.5	53.7		55.0	49.5	52.8		54.0	49.5	52.8		54.5	49.0	54.7		58.0	48.0
21:45	55.2		57.5	51.0	56.1		58.5	52.0	54.3		55.5	51.5	56.2		58.5	51.5	53.3		55.0	50.0
21:50	51.9	53.5	53.5	47.5	53.5	54.3	55.0	50.5	54.5	54.0	56.0	51.0	52.7	54.1	54.0	49.0	53.2	53.0	56.0	48.5
21:55	52.8		54.5	49.0	52.6		54.0	49.0	53.1		54.5	50.0	52.2		53.5	48.5	52.3		54.0	48.5
22:00	56.4		56.5	48.5	56.6		58.5	51.5	53.6		55.0	49.5	54.9		56.0	49.0	56.1		57.0	47.5
22:05	51.8	54.2	53.0	48.0	53.7	55.1	55.0	50.5	56.6	54.5	58.0	51.0	52.2	53.4	53.5	48.5	52.7	54.1	54.5	48.0
22:10	53.1		55.5	48.5	54.5		56.5	51.0	51.8		53.0	48.0	52.6		54.5	48.5	52.6		54.5	48.0
22:15	54.7		55.5	50.0	55.5		57.5	51.5	54.2		56.0	51.0	53.9		56.0	50.0	53.2		55.5	49.0
22:20	52.3	54.2	54.0	48.5	58.6	58.3	61.5	53.0	52.6	53.0	54.0	49.0	53.4	53.3	55.5	49.5	51.5	52.3	53.0	47.0
22:25	55.1		55.0	47.5	59.7		62.5	54.0	51.9		53.0	48.5	52.6		54.0	49.5	52.1		54.0	47.5
22:30	52.2		53.5	48.0	58.6		60.5	53.5	52.4		53.5	49.0	55.7		56.0	50.5	56.1		56.5	47.5
22:35	52.4	52.7	54.0	49.0	59.7	58.3	63.0	53.5	56.2	54.0	56.0	50.0	53.1	54.3	54.5	50.0	52.1	53.9	53.5	48.5
22:40	53.4		55.0	49.5	55.7		57.0	52.0	52.3		53.5	49.0	53.8		55.5	50.5	52.0		54.0	47.5
22:45	53.9		56.0	50.0	58.4		60.5	52.5	54.1		55.5	51.0	53.7		55.0	51.0	54.1		56.0	50.5
22:50	52.4	53.0	53.5	48.5	55.3	56.8	57.0	51.5	53.8	53.7	56.0	50.0	53.1	54.2	54.5	50.0	51.8	54.2	53.5	47.0
22:55	52.5		54.0	48.5	56.0		57.5	51.5	53.2		54.0	50.0	55.5		55.5	50.0	55.8		55.5	47.5

Note: Measurement undertaken free-field situation.

Baseline Noise Monitoring Resutls of N1

Baseline D

Date	23-Jan-2014				24-Jan-2014				25-Jan-2014				26-Jan-2014				27-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
19:00	51.8		53.5	47.0	52.2		54.0	48.0	51.8		53.0	47.5	55.9		56.0	47.5	54.4		58.0	38.0
19:05	55.5	53.5	55.5	47.0	55.3	55.0	55.5	47.0	56.3	54.0	56.5	50.0	52.0	53.6	53.5	47.5	51.2	51.5	55.5	39.0
19:10	52.1		53.5	48.0	56.5		56.0	49.0	52.5		54.5	48.0	51.6		53.0	47.0	42.1		45.0	36.5
19:15	55.8		59.0	50.0	53.1		54.5	49.0	52.9		55.0	48.0	53.1		55.0	47.5	50.0		52.5	44.0
19:20	56.4	55.3	57.5	51.0	59.0	55.8	54.5	48.5	52.4	52.5	54.0	48.5	53.2	52.8	55.0	49.0	48.3	48.2	51.5	42.5
19:25	52.9		54.5	49.5	51.7		53.0	47.0	52.1		53.5	47.5	51.9		53.5	48.0	45.0		47.5	41.0
19:30	52.7		54.0	49.5	56.9		58.0	50.0	51.9		53.0	47.5	52.0		53.5	47.5	55.8		59.0	45.0
19:35	53.9	53.0	56.5	50.0	52.1	54.3	53.5	48.0	55.5	54.0	54.5	48.5	55.9	53.7	53.5	47.0	43.1	51.4	46.5	38.5
19:40	52.3		53.5	48.5	52.1		53.5	47.5	53.8		55.0	47.5	51.7		53.0	47.5	42.3		46.5	37.0
19:45	61.0		65.5	51.5	54.5		57.0	48.5	53.6		56.0	48.5	53.2		55.0	49.0	52.6		57.0	43.0
19:50	56.3	57.9	58.5	52.0	53.9	56.3	55.5	48.5	51.9	52.3	53.5	47.0	51.8	52.1	53.0	47.5	45.9	51.2	48.5	41.0
19:55	51.7		53.0	47.5	58.8		59.0	49.5	51.1		52.5	46.0	51.0		52.5	46.0	52.4		57.5	40.5
20:00	58.5		63.0	50.5	56.2		59.0	47.5	51.1		52.5	46.0	55.3		57.5	47.0	48.1		51.5	39.5
20:05	60.6	59.3	65.0	51.0	55.7	54.9	55.5	48.0	55.5	53.2	56.5	48.0	51.5	53.1	53.0	47.0	43.1	53.4	45.5	39.0
20:10	58.4		63.0	48.5	51.5		53.0	47.0	51.5		53.0	46.5	51.1		52.5	46.0	57.6		59.5	41.0
20:15	54.8		57.0	51.0	54.2		57.0	49.0	52.8		54.5	49.0	52.8		54.5	48.5	55.7		59.5	44.0
20:20	53.9	54.0	55.5	50.5	53.0	53.6	54.5	49.0	53.4	52.8	55.0	49.5	52.8	52.4	54.5	48.5	51.9	52.8	55.5	44.0
20:25	53.1		56.0	48.5	53.6		56.5	48.0	52.2		53.0	47.0	51.5		53.0	47.0	46.4		49.0	42.0
20:30	52.7		54.0	48.5	55.7		55.5	48.5	56.7		59.5	48.5	53.2		53.5	48.0	54.3		57.5	40.0
20:35	51.7	55.9	53.0	47.5	53.2	53.9	54.0	48.0	52.3	54.2	53.0	46.5	55.2	53.6	56.0	47.5	46.5	50.9	47.0	38.0
20:40	59.2		60.5	50.0	51.7		53.0	47.0	52.0		52.5	46.0	51.7		53.0	47.5	47.7		51.0	39.0
20:45	54.2		56.5	49.5	54.1		56.0	50.5	59.2		60.0	48.5	54.1		56.0	49.0	51.1		53.5	45.5
20:50	53.7	54.3	55.5	49.5	52.6	52.8	54.0	48.5	52.0	55.8	53.5	47.5	52.3	52.8	53.5	48.0	51.2	50.9	54.0	45.5
20:55	55.0		57.5	47.0	51.4		53.0	46.5	51.7		53.0	47.5	51.8		53.0	47.5	50.2		53.5	43.0
21:00	55.4		57.0	47.5	56.2		58.0	47.5	55.2		57.0	48.0	51.5		53.0	47.0	55.0		58.0	43.5
21:05	52.0	53.5	53.5	48.5	52.1	53.8	53.5	48.5	56.1	54.7	54.5	48.5	51.7	55.1	53.0	47.5	47.8	52.6	50.5	43.0
21:10	52.1		53.5	48.0	51.5		53.0	47.0	51.7		53.0	47.0	58.3		61.0	48.0	52.2		54.5	42.5
21:15	57.7		58.0	51.0	55.1		58.0	50.5	51.8		53.0	47.0	52.9		54.5	48.5	55.7		56.5	44.0
21:20	53.0	54.9	54.0	49.0	53.2	53.6	55.5	48.5	52.5	52.9	54.0	48.0	53.1	52.7	54.0	48.5	49.4	52.0	52.5	39.5
21:25	51.5		53.0	47.5	51.9		53.0	47.5	54.0		54.0	47.5	52.0		53.0	47.0	42.6		45.5	38.0
21:30	54.1		56.0	49.5	57.0		58.5	50.5	53.0		54.5	48.5	55.8		56.5	48.5	52.9		54.5	39.5
21:35	52.5	55.7	54.0	49.0	53.0	54.7	55.0	48.5	56.6	54.2	59.5	48.0	52.0	54.3	53.5	48.0	50.0	52.7	53.0	40.5
21:40	58.4		59.0	49.5	52.8		54.5	48.5	51.2		52.5	46.0	54.3		55.0	47.0	54.3		53.0	45.0
21:45	52.6		54.5	48.5	55.9		58.5	52.0	52.6		54.5	48.0	55.3		56.5	48.5	53.7		57.0	45.5
21:50	53.5	52.8	56.0	49.5	52.1	53.8	53.5	48.0	53.8	52.9	55.5	50.0	51.8	53.6	53.0	47.5	48.6	51.9	51.5	43.0
21:55	52.3		53.5	48.5	52.2		53.5	48.0	52.3		53.5	48.5	53.0		55.0	48.0	52.1		57.0	41.5
22:00	56.2		56.0	50.5	52.6		54.5	48.0	52.2		53.5	48.0	56.7		59.5	49.5	55.4		59.5	42.5
22:05	53.1	54.3	56.0	48.0	53.2	52.8	55.5	49.0	51.8	52.2	53.0	47.0	53.2	54.6	55.0	48.0	49.7	59.4	53.0	44.0
22:10	52.9		56.0	47.0	52.5		54.5	48.0	52.6		55.0	47.0	52.7		54.5	48.0	63.4		59.5	39.5
22:15	53.0		54.5	49.5	59.3		61.5	50.0	57.4		58.0	47.5	54.2		56.0	48.5	66.1		65.0	44.0
22:20	53.1	52.6	55.5	48.0	53.2	56.0	55.5	48.5	52.3	54.7	54.0	48.0	52.4	52.9	54.0	48.5	63.1	63.1	57.5	44.5
22:25	51.4		52.5	47.0	51.5		53.0	47.0	52.0		53.5	48.0	51.7		53.0	47.5	48.4		51.5	41.5
22:30	52.9		54.5	49.5	53.3		56.0	48.0	51.6		53.0	47.0	55.4		55.5	48.0	52.7		53.0	42.0
22:35	52.2	55.3	53.5	48.5	55.9	54.1	55.5	49.0	56.2	53.7	54.5	47.5	51.4	53.2	52.5	46.5	54.5	52.7	54.5	43.5
22:40	58.2		58.5	48.5	52.1		54.0	47.5	51.3		52.5	46.0	51.4		53.0	46.5	49.4		47.0	40.0
22:45	54.7		56.5	52.0	54.1		57.0	50.0	52.4		54.0	48.0	53.9		57.0	48.5	50.6		55.0	42.0
22:50	53.9	53.8	56.0	50.0	53.5	54.4	56.0	48.5	52.2	52.3	53.5	47.5	52.3	52.8	53.5	48.0	49.6	51.8	53.5	43.5
22:55	52.5		54.0	49.0	55.5		55.5	48.0	52.2		53.0	47.5	51.8		53.0	47.5	53.9		55.0	42.0

Note:

Baseline Noise Monitoring Resutls of N1

Baseline D

Date	28-Jan-2014				29-Jan-2014				30-Jan-2014				31-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
19:00	56.0		59.0	43.5	50.9		47.0	37.0	46.1		50.0	39.0	53.9		56.0	39.0
19:05	47.2	52.9	49.0	43.5	55.6	52.4	58.0	42.5	54.0	51.8	56.5	41.0	48.2	51.4	50.5	42.5
19:10	51.4		53.5	46.0	45.7		48.0	42.0	52.2		55.5	42.5	50.2		53.0	44.5
19:15	52.6		56.0	46.5	46.5		50.0	39.5	49.3		52.0	44.5	52.2		55.0	44.5
19:20	49.6	49.9	53.0	43.5	46.7	45.7	51.0	39.5	47.8	47.9	51.0	42.0	49.8	50.1	53.0	42.0
19:25	43.4		45.5	39.5	43.1		45.5	39.0	46.2		49.0	41.5	46.8		51.0	39.0
19:30	53.6		58.5	41.0	53.8		53.5	41.5	54.3		55.5	42.0	49.6		54.0	38.5
19:35	51.8	53.4	54.5	47.0	52.8	51.8	55.5	39.5	50.1	52.2	50.5	42.0	48.9	53.8	52.5	41.5
19:40	54.4		54.0	44.5	43.2		46.0	38.5	51.0		53.0	43.5	57.4		58.5	37.0
19:45	53.6		58.5	44.0	49.8		53.5	41.0	51.5		54.0	45.5	52.5		55.0	36.0
19:50	52.1	52.7	57.0	44.5	57.9	54.1	60.5	46.0	45.6	48.0	48.0	41.5	45.0	51.3	48.5	38.0
19:55	52.3		57.5	44.0	47.6		49.0	40.0	41.1		43.5	38.5	52.9		53.0	38.5
20:00	57.4		60.5	50.0	51.4		57.5	37.5	49.8		55.0	37.0	47.3		50.0	37.0
20:05	44.3	53.2	46.0	41.5	47.3	51.5	51.0	40.0	46.1	49.8	49.0	41.5	38.5	44.9	41.0	35.0
20:10	47.0		47.0	41.0	53.6		54.5	42.0	51.7		56.5	41.5	45.1		49.0	36.0
20:15	56.4		60.0	45.5	53.5		58.5	44.5	57.4		55.0	44.0	49.5		52.5	42.0
20:20	56.5	55.1	60.0	47.5	52.7	52.0	57.0	44.5	51.5	53.8	56.0	43.0	46.0	47.8	48.5	40.5
20:25	49.4		52.0	44.0	48.4		49.5	40.0	45.6		48.0	42.0	47.2		51.5	39.5
20:30	53.3		58.0	45.5	55.8		59.5	42.0	54.3		56.5	39.5	43.7		46.5	37.5
20:35	54.8	52.6	58.5	41.0	56.0	54.6	60.5	41.0	47.3	51.5	49.5	40.5	46.7	52.9	50.0	38.0
20:40	44.9		47.0	42.0	49.8		49.0	42.0	50.1		52.0	42.0	57.1		57.0	38.0
20:45	52.8		57.0	47.5	51.0		54.5	44.5	55.4		59.5	46.5	49.8		54.5	41.5
20:50	48.7	51.2	52.5	41.5	48.5	48.7	52.0	40.0	43.4	51.1	45.5	40.0	49.0	51.5	48.5	38.5
20:55	51.3		53.5	47.0	44.2		45.0	38.5	42.2		44.5	38.5	54.0		59.5	40.5
21:00	56.4		60.5	46.0	48.3		53.0	37.0	50.5		56.0	38.0	57.4		61.5	41.0
21:05	50.4	53.0	54.0	44.5	53.4	50.3	53.0	40.5	46.3	54.3	48.5	41.5	42.9	53.2	45.5	39.0
21:10	47.7		50.0	42.5	45.7		49.0	40.5	58.1		59.5	44.5	47.4		51.0	42.0
21:15	54.7		59.0	43.5	50.1		53.5	44.0	50.9		55.0	44.5	49.3		51.5	43.5
21:20	51.2	51.9	53.5	43.5	48.5	48.6	51.5	42.5	52.4	50.6	57.0	42.5	50.9	49.0	55.0	42.5
21:25	45.4		47.5	41.5	46.3		49.0	41.0	46.7		50.0	41.5	45.0		48.0	38.5
21:30	54.3		54.5	41.5	47.8		50.5	40.5	52.0		53.5	43.0	51.1		56.0	38.5
21:35	51.9	51.9	56.0	41.5	55.9	52.2	59.0	42.0	53.7	54.0	58.5	44.0	54.9	53.5	56.0	45.0
21:40	46.2		49.0	42.5	46.5		50.0	40.0	55.5		58.0	47.5	53.6		57.0	46.5
21:45	53.5		58.0	43.0	52.4		55.5	45.0	49.4		52.5	45.0	53.8		57.0	46.5
21:50	53.3	52.2	57.0	44.5	48.3	50.4	52.0	42.5	51.1	49.4	54.0	44.5	46.2	50.4	49.5	39.0
21:55	47.5		49.5	44.0	49.6		52.5	43.5	46.3		49.5	41.0	46.7		48.0	39.0
22:00	51.9		56.5	43.5	45.2		49.0	38.0	50.7		54.5	40.0	54.0		54.0	38.5
22:05	54.1	52.5	55.0	42.5	54.0	50.3	55.0	41.0	45.3	49.3	47.5	42.5	48.6	50.9	51.0	43.5
22:10	51.0		55.5	45.5	45.5		50.0	40.0	50.2		54.5	40.5	46.8		50.0	38.5
22:15	49.4		51.5	45.0	50.8		54.0	44.0	58.0		59.5	44.0	51.8		54.5	46.5
22:20	51.3	49.1	55.0	43.0	46.8	48.2	50.0	42.0	49.8	54.1	56.0	40.0	44.6	48.4	47.5	40.0
22:25	43.9		45.0	40.5	44.5		47.0	39.5	46.9		50.5	41.0	44.2		47.5	39.0
22:30	54.5		54.5	45.5	47.1		50.5	40.0	54.5		54.5	42.5	46.7		50.0	40.5
22:35	50.4	52.2	52.0	47.0	53.7	50.5	53.0	42.5	46.3	51.1	48.5	43.5	47.6	47.0	50.0	42.0
22:40	50.3		54.0	43.5	47.0		49.5	40.5	47.7		50.5	43.0	46.7		49.5	41.0
22:45	54.4		58.0	46.0	49.7		53.5	42.5	50.4		54.5	43.0	53.1		57.0	42.0
22:50	51.6	52.3	56.0	44.0	48.2	47.8	51.5	39.0	50.2	49.5	55.0	40.0	47.6	51.4	51.0	38.5
22:55	49.7		53.5	41.0	43.5		46.0	38.0	47.0		50.5	41.0	51.9		50.0	42.5

Note:

Restricted Hours 2300 – 0700 Next Day

Baseline Data for Restricted Hour 2300-0700 of Next Day

Date	18-Jan-2014				19-Jan-2014				20-Jan-2014				21-Jan-2014				22-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
00:00	52.2		54.0	48.0	52.7		54.0	49.0	60.3		62.5	56.5	52.8		55.5	48.0	54.0		56.0	50.5
00:05	51.9	52.5	53.0	48.0	53.4	53.4	55.5	49.0	62.4	61.6	65.5	57.0	52.1	52.7	53.5	48.5	58.0	55.8	61.0	53.0
00:10	53.2		55.5	49.0	54.1		57.0	50.0	61.9		64.0	57.5	53.1		55.0	49.0	54.1		55.5	51.0
00:15	53.6		55.0	50.0	53.7		55.0	51.0	62.0		64.0	57.5	53.3		54.5	50.0	53.4		55.0	50.0
00:20	52.0	53.5	53.5	48.0	54.0	53.6	56.0	50.5	62.3	61.3	65.0	56.5	52.3	52.4	53.5	49.0	52.6	52.8	54.0	49.5
00:25	54.5		56.5	50.5	53.0		54.5	49.5	59.0		61.0	54.5	51.4		52.5	47.0	52.3		53.5	49.0
00:30	56.7		60.5	49.0	53.0		54.5	49.5	61.0		63.0	54.5	52.1		53.5	48.5	53.1		55.0	50.0
00:35	51.5	54.2	53.0	47.5	52.5	52.9	53.5	49.0	61.4	61.2	63.5	55.0	51.9	52.0	53.0	48.0	52.3	52.8	53.5	48.5
00:40	52.7		54.5	48.5	53.2		55.5	49.0	61.1		63.0	57.0	51.9		53.5	48.0	52.9		55.0	48.0
00:45	52.4		54.0	49.0	54.8		56.5	52.0	59.0		60.5	56.0	53.4		55.5	49.5	52.7		54.0	49.5
00:50	52.1	52.3	53.5	48.0	53.0	54.0	54.0	50.0	57.9	59.1	59.5	55.5	51.6	52.3	53.0	48.0	53.2	52.6	55.5	48.5
00:55	52.5		54.0	48.5	54.1		56.0	50.0	60.0		62.0	55.5	51.7		53.0	48.0	51.6		53.0	48.0
01:00	51.8		53.0	47.5	57.2		59.0	54.5	59.9		62.5	55.5	52.1		53.5	48.5	51.9		53.0	48.0
01:05	51.3	52.1	52.5	47.0	53.0	55.2	54.5	49.5	60.5	59.9	63.0	56.0	51.7	52.0	53.0	48.0	52.1	52.3	53.5	48.0
01:10	53.1		56.0	48.0	54.2		56.5	50.5	59.3		62.0	56.0	52.2		53.5	49.0	52.9		55.5	48.0
01:15	52.3		54.5	47.5	54.7		56.5	52.0	56.9		58.0	55.0	52.1		53.5	48.0	53.0		54.5	49.5
01:20	51.4	51.7	52.5	47.0	53.7	55.4	55.0	51.0	59.7	59.2	61.5	56.5	52.6	52.1	54.5	48.0	51.8	52.2	53.0	48.0
01:25	51.3		52.5	47.0	57.0		60.0	52.0	60.2		63.0	55.0	51.5		53.0	47.5	51.6		53.0	47.5
01:30	51.8		53.5	48.0	53.0		54.5	49.5	58.1		60.5	54.5	57.1		60.5	51.0	51.5		52.5	47.5
01:35	51.4	52.0	52.5	47.0	52.6	52.8	54.0	49.5	56.8	57.3	58.5	53.5	51.9	54.3	53.0	47.5	52.2	52.0	53.5	49.0
01:40	52.7		54.5	48.5	52.9		54.5	49.5	56.8		58.5	53.5	51.6		53.0	47.5	52.2		53.5	49.0
01:45	52.7		54.5	48.5	52.9		54.5	49.5	61.2		60.5	54.0	52.9		54.5	49.5	53.9		55.5	51.0
01:50	51.1	51.7	52.5	46.0	51.8	52.3	53.0	48.0	57.2	58.8	58.5	54.5	52.5	52.4	54.0	48.5	52.4	52.9	53.5	49.0
01:55	51.2		52.5	46.5	52.0		53.0	48.5	56.5		58.0	54.0	51.7		53.0	48.0	52.2		53.5	48.5
02:00	51.7		53.0	47.0	52.1		53.5	48.0	56.6		58.0	53.5	51.5		52.5	47.5	51.2		52.5	47.0
02:05	51.2	51.7	52.5	46.5	53.1	52.7	55.0	48.5	57.7	57.3	58.5	54.0	51.2	51.3	52.5	47.0	51.3	51.2	52.5	47.0
02:10	52.2		54.5	47.0	52.8		55.5	47.0	57.5		59.0	53.5	51.3		52.5	47.0	51.0		52.5	46.5
02:15	51.1		52.5	46.0	51.6		53.0	47.0	56.3		58.0	53.5	52.6		54.5	48.0	52.7		55.0	47.0
02:20	51.1	51.7	52.5	46.0	51.2	51.4	52.5	46.5	56.2	56.1	58.0	53.5	51.5	52.0	52.5	47.5	51.1	51.7	52.5	46.5
02:25	52.7		55.0	47.5	51.4		53.0	47.0	55.8		57.0	53.5	51.7		53.0	48.0	51.1		52.5	46.5
02:30	51.2		52.5	46.5	51.5		53.0	47.5	56.7		59.0	53.5	51.5		52.5	47.5	51.2		52.5	46.5
02:35	51.6	51.5	53.0	47.5	51.1	51.2	52.5	46.0	56.7	56.9	58.5	54.0	52.2	51.7	53.5	49.0	51.1	51.1	52.5	46.5
02:40	51.6		53.0	47.5	51.1		52.5	46.5	57.3		59.0	54.5	51.5		53.0	47.5	50.9		52.5	46.0
02:45	52.3		54.5	47.5	51.7		53.5	46.5	55.9		57.5	53.5	52.6		54.0	48.5	51.1		52.5	46.5
02:50	53.0	52.7	54.5	49.0	51.0	51.2	52.5	46.0	56.6	56.5	57.5	54.5	52.0	52.9	53.5	48.0	51.6	51.2	53.0	46.5
02:55	52.7		54.0	49.0	50.9		52.5	45.5	56.8		58.5	54.0	54.0		56.0	50.0	51.0		52.5	46.0
03:00	52.0		53.5	47.5	50.9		52.5	45.5	57.3		59.5	54.0	51.9		53.0	48.0	52.0		54.0	46.5
03:05	52.1	52.1	53.5	48.5	50.9	51.0	52.5	45.5	57.9	58.3	60.0	54.5	52.1	51.8	53.5	48.5	52.3	51.8	54.5	47.5
03:10	52.3		53.5	49.0	51.1		52.5	46.5	59.4		61.0	56.0	51.3		52.5	47.0	51.1		52.5	46.5
03:15	51.8		53.0	48.0	51.9		53.5	47.5	58.0		59.5	56.0	51.7		53.0	47.5	51.8		53.5	47.5
03:20	52.2	52.0	53.0	48.0	51.3	51.4	52.5	46.5	58.2	57.7	60.0	55.5	52.2	51.8	53.5	48.5	51.3	51.8	52.5	46.5
03:25	52.1		53.5	48.0	50.9		52.5	46.0	56.7		58.0	54.5	51.6		53.0	47.5	52.3		54.0	47.5
03:30	53.1		54.5	50.0	51.7		53.0	47.5	58.2		58.5	54.5	52.4		54.0	48.0	51.3		52.5	47.0
03:35	51.5	52.7	53.0	47.5	53.1	52.3	56.5	46.5	61.0	59.7	62.5	56.5	52.0	52.5	53.5	48.0	51.8	51.7	53.5	47.0
03:40	53.2		55.5	49.0	52.0		53.5	48.0	59.5		61.5	56.0	53.0		55.0	48.5	52.0		54.0	47.0
03:45	52.9		54.5	49.0	51.8		53.0	47.5	58.7		60.5	55.5	52.4		53.5	49.0	52.6		55.0	48.0
03:50	51.5	52.0	53.0	47.0	51.5	53.5	53.0	47.5	58.1	58.9	59.5	55.5	51.3	51.6	52.5	47.0	51.4	51.7	53.0	47.0
03:55	51.5		53.0	47.5	55.7		58.5	51.0	59.7		61.5	57.0	51.1		52.5	46.5	50.8		52.0	45.5
04:00	51.5		53.0	47.0	52.1		53.5	48.5	58.7		60.5	55.5	51.1		52.5	46.5	50.9		52.5	46.0
04:05	51.8	51.8	53.0	48.0	53.8	53.0	56.0	50.0	57.8	57.9	60.0	54.5	51.4	51.2	52.5	47.0	51.0	50.9	52.5	46.5
04:10	52.1		53.5	48.5	52.8		54.0	49.5	57.1		58.5	55.0	51.1		52.5	46.5	50.8		52.0	45.5
04:15	52.1		53.5	48.5	52.5		54.0	49.0	58.2		60.5	55.0	51.6		53.0	47.5	51.1		52.5	46.5
04:20	51.6	51.9	53.0	47.5	52.1	52.2	53.0	48.5	57.9	58.7	59.5	55.0	51.6	51.4	53.0	47.5	51.8	51.3	53.0	48.0
04:25	52.0		53.5	48.0	52.1		53.5	48.5	59.7		62.0	56.5	51.1		52.5	46.5	51.0		52.5	46.0
04:30	52.2		53.5	48.5	52.4		54.0	49.0	57.5		59.0	55.0	51.0		52.5	46.0	50.8		52.0	45.5
04:35	51.8	52.5	53.0	48.0	52.3	52.2	53.5	49.0	57.7	58.1	59.0	55.5	51.1	51.4	52.5	46.5	51.5	51.6	53.0	47.0
04:40	53.3		56.0	48.5	51.9		53.0	48.0	59.0		60.5	56.0	52.0		53.5	48.0	52.4		54.5	47.5
04:45	51.9		53.0	48.0	53.2		55.0	49.5	60.4		63.0	55.0	52.9		55.5	48.0	54.1		56.0	50.0
04:50	52.2	52.4	53.5	49.0	51.9	52.7	53.0	48.0	62.0	62.1	64.5	56.5	51.2	51.8	52.5	46.5	51.1	52.3	52.5	46.5
04:55	53.0		54.5	50.0	52.9		54.5	49.0	63.3		64.0	56.0	50.9		52.5	46.0	50.9		52.5	46.0
05:00	55.2		57.0	52.0	52.0		53.0	48.5	63.3		66.0	57.5	52.5		55.0	47.5	55.3		59.0	47.5
05:05	52.3	53.4	53.5	49.0	52.9	52.4	54.5	49.5	66.5	64.4	67.0	58.5	51.2	51.6	52.5	47.0	52.9	53.4	55.0	48.0
05:10	51.7		53.0	47.5	52.2		53.5	49.0	62.4		65.0	58.0	50.8		52.0	45.5	50.9		52.5	46.0
05:15	55.9		58.5	50.0	51.7		53.0	47.5	63.2		66.0	58.5	51.0		52.5	46.5	51.0		52.5	46.5
05:20	52.8	53.8	54.5	49.0	51.3	51.5	52.5	47.0	61.8	63.3	64.0	57.5	51.6	51.8	53.0	46.5	51.0	51.1	52.5	46.0
05:25	51.3		52.5	46.5	51.5		53.0	47.5	64.5		66.5	58.5	52.6		54.5	48.5	51.2		52.5	47.0
05:30	51.3		52.5	46.5	52.5		53.5	49.5	64.4		67.5	57.5	50.9		52.5	46.0	51.0		52.5	46.0
05:35	51.3	51.2	52.5	46.5	51.8	51.9	53.0	48.0	64.3	63.8	66.5	57.0	50.7	50.8	52.0	45.5	51.0	51.0	52.5	46.5
05:40	51.1		52.5	46.5	51.4		52.5	47.0	62.3		65.0	57.0	50.8		52.0	45.5	50.9		52.5	46.0
05:45	51.1		52.5	46.0	52.1		53.5	48.5	62.7		65.5	57.0	51.6		53.5	46.0	51.6		53.0	46.5
05:50	51.1	51.1	52.5	46.0	53.0	52.6	54.5	49.5	63.7	62.5	67.0	57.5	51.0	51.2	52.5	46.0	52.9	52.0	55.0	48.5
05:55	51.1		52.5	46.0	52.6		54.0	49.5	60.7		62.5	57.0	51.0		52.5	46.0	51.2		52.5	46.5
06:00	51.5		53.0	47.0	52.7		54.0	49.5	62.5		65.0	58.0	51.0		52.5	46.0	50.9		52.5	46.0
06:05	52.2	51.9	53.5	48.5	53.3	53.0	54.5	50.5	63.4	62.8	65.5	58.0	51.4	51.1	53.0	47.0	52.0	51.5	53.5	48.0
06:10	51.9		53.5	47.5	53.0		54.5	50.0	62.3		65.0	57.0	50.9		52.5	46.0	51.6		53.0	47.5
06:15	51.1		52.5	46.5	53.3		54.5	50.5	62.3		64.0	57.5	52.0		53.5	47.5	51.9		53.5	47.5
06:20	51.9	51.6	53.5	47.5	51.5	52.4	53.0	47.5	61.1	61.6	63.0	57.0	51.1	51.5	52.5	46.5	51.9	52.1	53.0	48.5
06:25	51.9		53.0	48.0	52.2		53.5	48.0	61.2		64.0	56.0	51.4		52.5	47.0	52.5		54.0	48.5
06:30	51.4		52.5	47.0	53.3		55.5	49.5	61.8		62.0	56.0	52.6		52.5	47.0	51.2		52.5	46.5
06:35	51.9	51.7	53.5	48.0	54.8	53.6	57.5	50.0	59.2	60.7	61.5	56.0	55.0	53.6	52.5	46.5	51.5	51.5	53.0	47.5
06:40	51.8		53.0	47.5	52.2		53.5	48.5	60.6		62.5	57.0	52.8		53.5	47.5	51.8		53.0	48.0
06:45	51.3		52.5	46.5	51.9		53.5	48.0	61.8		65.0	56.0	59.7		63.5	48.0	52.8		54.0	49.0
06:50	51.6	51.5	53.0	47.5	52.6	52.6	54.0	49.0	60.3	60.9	62.0	56.0	51.7	56.2	53.0	47.5	52.9	52.7	54.0	49.0
06:55	51.5		53.0	47.0	53.1		54.5	50.0	60.6		62.5	55.5	52.3		53.0	47.0	52.3		53.5	48.5
23:00	55.8		57.0	50.0	57.1		59.5	52.0	55.9		54.5	49.5	52.5		54.0	49.0	52.0		54.0	47.5
23:05	52.2	54.2	53.5	48.5	54.8	55.7	56.5	51.5	52.3	54.1	53.5	49.0	52.4	52.8	53.5	49.0	51.6	52.0	53.0	47.5
23:10	53.9		55.5	51.0	54.9		56.5	51.0	53.4		55.5	49.5	53.5		55.5	49.5	52.3		54.0	48.5
23:15	53.0		54.5	49.5	55.2		56.5	52.5	53.4		55.0	50.5	53.3		55.0	50.5	53.9		56.5	50.0
23:20	52.5	53.3	53.5	49.0	55.6	56.1	57.5	52.0	52.4	52.7	53.5	49.5	52.4	53.1	53.5	49.0	51.7	52.5	53.0	47.5
23:25	54.3		56.5	50.0	57.3		59.5	53.5	52.1		53.5	48.5	53.5		56.0	49.5	51.6		53.0	47.5
23:30	54.3		56.0	51.5	56.6		59.0	53.5	54.9		57.5	50.5	52.4		53.5	49.5	52.3		55.0	47.0
23:35	53.1	53.5	54.5	50.0	55.9	56.0	57.0	54.0	52.9	53.9	54.0	50.0	52.8	52.6	54.0	50.0	51.3	51.9	53.0	47.0
23:40	53.1		54.5	50.5	55.4		56.5	53.5	53.7		55.5	50.5	52.6		54.0	49.5	52.0		53.5	48.0
23:45	55.7		58.0	51.5	56.3		57.5	54.5	52.8		54.5	49.5	54.5		56.5	51.0	53.9		56.5	49.5
23:50	52.8	54.2	54.0	49.5	56.9	57.4	58.5	54.5	52.8	53.0	54.0	49.5	52.7	53.3	54.0	49.5	51.6	53.0	53.0	47.5
23:55	53.5		55.5	49.0	58.6		60.0	56.0	53.4		56.0	49.0	52.3		53.5	49.0	53.2		56.5	47.0

Note: *The figures Bold with italic is below 32dB. Noise level is assumed 31.9dB*

Measurement undertaken free-field situation.

Baseline D

Date	23-Jan-2014				24-Jan-2014				25-Jan-2014				26-Jan-2014				27-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
00:00	54.9		58.5	48.5	52.0		53.5	48.5	52.7		55.5	47.0	52.1		53.0	46.5	51.2		52.5	46.0
00:05	57.5	55.4	61.0	49.0	54.3	55.5	57.0	49.0	51.1	58.9	52.5	46.0	51.5	51.6	53.0	47.0	51.2	51.4	52.5	46.0
00:10	52.4		55.0	47.5	58.0		61.0	51.0	63.0		53.0	46.5	51.2		52.5	46.5	51.7		53.0	47.5
00:15	52.1		53.5	47.5	51.9		53.5	48.0	53.3		55.5	48.0	51.7		53.5	46.5	52.9		55.0	48.0
00:20	52.0	52.2	54.5	46.5	54.0	52.4	57.5	48.0	59.5	56.4	64.0	50.0	52.1	52.0	53.5	48.0	51.7	52.0	53.0	47.5
00:25	52.4		54.5	47.0	50.8		52.0	45.5	53.3		56.0	47.5	52.3		54.0	47.5	51.3		52.5	46.5
00:30	52.6		54.5	48.0	51.4		53.0	46.5	51.8		53.5	47.0	51.3		52.5	46.5	51.3		52.5	46.5
00:35	51.4	52.6	53.0	47.5	51.3	51.8	52.5	46.5	51.4	51.4	52.5	46.5	55.7	53.3	58.0	49.0	51.2	53.1	52.5	46.5
00:40	53.5		56.5	48.0	52.5		55.5	46.5	50.9		52.5	45.5	51.3		52.5	46.5	55.3		58.5	49.5
00:45	52.0		53.5	47.5	51.1		52.5	46.0	53.1		55.5	48.0	52.0		53.5	47.0	54.3		57.0	48.5
00:50	51.1	51.4	52.5	46.5	52.0	52.6	53.5	47.5	51.5	52.1	53.0	47.0	51.8	51.7	53.0	47.5	52.6	53.1	54.0	48.5
00:55	51.0		52.5	46.5	54.2		56.5	50.5	51.4		53.0	46.5	51.4		52.5	46.5	52.1		53.5	48.0
01:00	51.3		53.0	46.5	53.7		55.5	50.5	51.6		53.0	47.0	51.7		53.0	47.0	52.1		53.5	48.0
01:05	52.0	51.4	54.0	47.5	52.3	53.0	53.5	49.0	51.1	51.4	52.5	46.0	51.3	51.4	52.5	46.5	51.2	51.6	52.5	46.5
01:10	50.9		52.5	46.0	53.0		55.5	48.0	51.6		53.0	47.0	51.3		52.5	46.5	51.6		53.0	47.0
01:15	51.8		54.0	46.0	52.6		55.0	47.0	53.8		57.0	48.0	51.8		53.5	46.5	52.2		54.0	47.0
01:20	52.9	51.9	56.0	47.0	50.7	51.6	52.0	45.5	52.0	52.4	53.5	48.0	53.6	52.3	55.0	47.0	51.5	51.7	53.0	47.0
01:25	50.7		52.0	45.5	51.4		52.5	47.0	51.0		52.5	45.5	51.3		52.5	46.0	51.4		53.0	47.0
01:30	50.6		52.0	45.0	51.2		52.5	46.5	50.9		52.5	45.0	53.3		56.5	46.5	51.3		52.5	46.5
01:35	51.6	51.4	53.0	46.5	51.1	51.7	52.5	46.0	51.8	51.7	53.5	47.0	51.2	52.1	52.5	45.5	51.3	51.4	52.5	46.5
01:40	51.9		53.5	47.5	52.6		54.0	49.5	52.3		54.0	48.0	51.4		52.5	46.5	51.6		53.0	47.0
01:45	52.3		54.5	47.5	53.1		56.0	47.5	52.4		54.5	48.0	52.4		54.0	48.0	52.3		54.0	48.0
01:50	52.5	52.0	55.0	47.0	51.7	52.0	53.5	47.0	51.3	51.6	52.5	46.0	51.6	51.7	53.0	47.0	51.4	51.7	52.5	46.5
01:55	51.1		52.5	46.0	50.8		52.5	45.5	50.9		52.5	45.5	51.1		52.5	46.0	51.3		52.5	46.5
02:00	50.9		52.5	46.0	51.0		52.5	46.5	51.3		52.5	46.0	51.2		52.5	46.0	51.3		52.5	46.5
02:05	52.2	52.0	54.0	45.5	50.7	50.8	52.0	45.5	51.0	51.0	52.5	45.5	51.2	51.2	52.5	46.0	52.3	51.9	53.5	46.5
02:10	52.6		55.5	46.0	50.6		52.0	45.0	50.8		52.5	45.0	51.1		52.5	46.0	51.9		53.5	46.5
02:15	50.8		52.0	45.5	52.1		54.5	46.5	52.7		55.5	46.0	52.0		53.5	46.5	53.1		55.5	47.5
02:20	51.5	51.3	53.5	46.0	50.7	51.4	52.0	45.5	50.9	51.7	52.5	45.5	50.9	51.4	52.5	45.5	51.7	52.2	53.0	46.5
02:25	51.5		53.0	47.5	51.4		53.0	47.5	51.3		52.5	46.5	51.1		52.5	46.0	51.5		53.0	47.0
02:30	51.0		52.5	46.5	51.3		52.5	47.0	50.9		52.5	45.0	51.0		52.5	45.5	51.1		52.5	46.0
02:35	50.8	50.8	52.0	45.5	50.9	51.0	52.5	46.0	50.8	50.8	52.5	45.0	50.9	51.0	52.5	45.0	51.1	51.1	52.5	46.0
02:40	50.6		52.0	45.0	50.9		52.5	46.0	50.8		52.5	45.0	51.0		52.5	45.5	51.1		52.5	46.0
02:45	51.8		54.0	46.0	51.7		53.0	47.5	52.4		55.0	46.0	51.2		52.5	46.0	51.3		52.5	46.5
02:50	50.8	51.1	52.5	46.0	52.9	51.9	55.0	48.5	50.8	51.4	52.5	45.0	51.0	51.0	52.5	45.5	51.7	51.4	53.0	46.5
02:55	50.6		52.0	45.0	51.0		52.5	46.0	50.8		52.5	45.0	50.9		52.5	45.5	51.1		52.5	46.0
03:00	50.6		52.0	45.0	50.8		52.5	45.5	50.8		52.5	45.0	51.4		52.5	45.5	51.1		52.5	46.0
03:05	50.6	50.9	52.0	45.0	51.5	51.2	53.0	47.5	50.8	51.6	52.5	45.0	51.3	51.2	52.5	46.5	51.1	51.2	52.5	46.0
03:10	51.4		53.5	45.5	51.4		52.5	47.5	52.8		55.0	47.0	51.0		52.5	45.5	51.3		52.5	46.0
03:15	51.5		53.0	47.5	51.7		53.0	47.0	53.6		55.5	48.0	51.4		53.0	46.0	51.5		53.0	47.0
03:20	50.6	50.9	52.0	45.0	51.4	51.4	53.0	47.0	51.1	52.0	52.5	46.0	51.2	51.2	52.5	46.0	51.1	51.2	52.5	46.0
03:25	50.6		52.0	45.0	51.1		52.5	46.5	50.8		52.5	45.0	50.9		52.5	45.5	51.0		52.5	45.5
03:30	50.5		52.0	45.0	51.5		53.0	47.0	51.0		52.5	45.5	50.9		52.5	45.5	52.3		54.5	46.5
03:35	51.2	52.1	53.0	45.5	52.1	52.4	53.5	48.5	52.7	52.2	54.5	48.0	51.7	51.4	53.5	46.5	52.7	52.2	54.5	49.0
03:40	53.9		56.5	49.5	53.3		56.0	48.5	52.6		55.5	46.0	51.5		53.0	46.0	51.5		53.0	46.5
03:45	51.4		53.0	46.5	51.8		53.0	48.0	51.9		53.5	47.5	52.4		54.5	47.0	53.0		56.0	47.0
03:50	50.6	50.9	52.0	45.0	51.2	51.4	52.5	47.0	51.4	51.4	53.0	46.5	50.9	51.4	52.5	45.5	51.5	51.9	53.0	47.0
03:55	50.5		52.0	45.0	51.2		52.5	47.0	51.0		52.5	45.5	50.8		52.5	45.5	51.0		52.5	45.5
04:00	50.5		52.0	45.0	51.0		52.5	46.0	50.8		52.5	45.0	50.8		52.5	45.0	50.9		52.5	45.5
04:05	50.5	50.5	52.0	45.0	51.0	51.0	52.5	46.0	50.8	50.9	52.5	45.0	50.8	51.0	52.5	45.0	50.9	51.0	52.5	45.5
04:10	50.5		52.0	44.5	51.1		52.5	46.5	51.1		52.5	45.5	51.3		52.5	46.0	51.1		52.5	46.0
04:15	51.1		52.5	46.0	51.2		52.5	47.0	51.4		53.0	46.0	51.4		53.0	47.0	51.1		52.5	45.5
04:20	50.8	50.8	52.0	45.5	50.9	51.1	52.5	46.0	51.2	51.3	52.5	46.0	51.0	51.4	52.5	46.0	51.1	51.3	52.5	46.0
04:25	50.6		52.0	45.0	51.2		52.5	46.5	51.3		52.5	46.5	51.7		53.5	46.5	51.6		53.0	46.5
04:30	50.5		52.0	45.0	51.0		52.5	46.0	50.9		52.5	45.0	51.7		53.5	46.5	52.3		54.0	48.0
04:35	51.1	51.8	52.5	46.5	51.1	51.2	52.5	46.5	51.5	51.1	53.0	46.5	51.4	51.5	53.0	46.5	51.1	51.7	52.5	46.0
04:40	53.3		55.5	49.0	51.4		53.0	46.5	50.9		52.5	45.5	51.4		53.0	46.5	51.6		53.0	47.0
04:45	51.2		52.5	46.5	53.3		55.5	49.0	52.9		56.0	47.5	52.0		53.5	46.5	53.4		56.5	47.0
04:50	50.6	50.8	52.0	45.0	51.2	51.9	52.5	46.5	50.9	51.7	52.5	45.5	50.9	51.3	52.5	45.5	51.1	52.0	52.5	46.0
04:55	50.6		52.0	45.0	50.8		52.5	45.5	50.9		52.5	45.5	50.9		52.5	45.0	51.1		52.5	46.0
05:00	52.0		54.5	46.0	52.4		54.5	47.5	50.8		52.5	45.0	51.4		52.5	46.0	51.6		53.0	46.0
05:05	50.6	53.3	52.0	45.0	50.9	51.4	52.5	46.0	52.9	51.6	56.0	46.5	51.5	51.3	53.0	47.0	51.4	51.6	52.5	46.0
05:10	55.7		58.5	49.5	50.8		52.0	45.5	50.8		52.5	45.0	51.0		52.5	46.0	51.8		53.0	46.0
05:15	53.6		57.0	49.0	51.1		52.5	46.5	51.1		52.5	46.0	51.1		52.5	46.0	51.3		53.0	46.5
05:20	51.0	52.3	52.5	46.0	50.9	51.5	52.5	46.0	52.1	51.6	53.5	47.5	50.9	51.0	52.5	45.5	51.6	51.3	53.0	47.0
05:25	51.8		53.5	48.0	52.3		54.0	48.5	51.6		53.0	46.5	51.0		52.5	45.5	51.1		52.5	46.0
05:30	51.0		52.5	46.0	51.0		52.5	46.0	51.1		52.5	46.0	51.1		52.5	46.0	51.0		52.5	45.5
05:35	50.7	50.7	52.0	45.5	50.8	50.9	52.0	45.5	51.7	52.1	53.0	47.5	51.3	51.1	53.0	46.5	52.4	51.5	54.5	47.0
05:40	50.5		52.0	45.0	50.9		52.0	45.5	53.3		55.0	49.5	50.8		52.5	45.0	51.0		52.5	45.5
05:45	50.5		52.0	45.0	51.3		52.5	46.0	50.9		52.5	45.0	50.9		52.5	45.5	51.0		52.5	45.5
05:50	50.9	51.0	52.5	45.5	50.9	51.0	52.5	45.5	50.8	50.8	52.5	45.0	50.8	50.9	52.5	45.0	51.2	51.3	52.5	46.0
05:55	51.6		53.0	47.5	50.8		52.5	45.5	50.8		52.5	45.0	50.9		52.5	45.5	51.7		53.0	46.5
06:00	52.3		53.5	45.5	51.6		53.5	46.5	50.8		52.5	45.0	51.0		52.5	46.0	51.4		53.0	46.5
06:05	51.8	51.9	53.5	47.5	52.5	51.9	54.0	49.0	51.7	51.3	53.5	47.0	51.5	51.1	53.0	47.0	51.8	51.5	53.5	47.5
06:10	51.6		53.5	47.0	51.6		53.0	47.0	51.4		52.5	46.5	50.9		52.5	45.5	51.3		52.5	46.5
06:15	53.0		55.5	48.5	51.9		53.5	47.5	52.1		54.5	46.0	51.3		52.5	46.0	52.3		53.5	48.5
06:20	51.1	52.2	52.5	46.5	51.2	52.8	52.5	46.5	51.4	51.8	53.0	46.5	51.1	51.5	52.5	46.0	51.9	52.4	53.5	47.5
06:25	52.3		53.0	47.5	54.5		53.5	49.0	52.0		53.5	47.5	52.0		53.5	47.5	52.9		54.5	49.5
06:30	51.1		52.5	46.5	52.0		53.5	48.5	52.2		54.0	48.0	51.3		52.5	46.5	54.9		56.5	52.0
06:35	52.1	51.9	54.0	48.0	57.8	54.9	59.5	49.0	52.3	52.2	54.0	47.0	53.1	52.0	56.0	47.5	53.6	54.2	55.5	50.0
06:40	52.5		54.5	48.0	52.0		53.5	48.5	52.1		53.5	48.0	51.3		52.5	46.5	54.0		57.5	48.0
06:45	51.9		53.5	48.0	52.4		54.0	48.0	51.5		53.0	46.5	51.5		53.0	46.5	52.1		53.5	47.5
06:50	51.0	51.4	52.5	46.5	53.6	52.6	53.5	48.0	51.6	51.4	53.0	47.0	51.6	51.4	53.0	47.0	51.9	51.8	53.0	47.5
06:55	51.2		52.5	46.5	51.4		53.0	46.5	51.0		52.5	45.5	51.2		52.5	46.0	51.3		52.5	46.5
23:00	55.5		56.0	47.5	52.1		53.5	47.5	51.9		53.0	47.0	55.0		54.5	47.0	52.8		55.0	42.0
23:05	53.5	54.0	56.0	49.0	52.0	52.0	53.5	47.5	51.7	51.6	53.0	47.0	51.7	53.0	53.0	47.0	53.7	53.1	58.0	43.5
23:10	52.3		54.5	47.5	52.0		53.5	47.0	51.2		52.5	46.0	51.4		53.0	46.5	52.6		57.0	41.5
23:15	53.5		56.5	49.0	54.2		56.5	49.5	52.6		54.5	48.0	52.5		54.0	48.0	55.4		58.5	47.5
23:20	52.3	53.0	54.0	48.5	51.8	52.8	53.0	47.5	52.3	52.2	53.5	48.0	52.1	52.1	53.5	48.0	50.3	52.8	52.0	40.0
23:25	53.0		56.0	47.5	51.8		53.0	47.5	51.8		53.5	47.0	51.6		53.0	47.0	50.6		54.0	42.0
23:30	52.3		54.0	48.5	54.0		56.0	50.0	52.4		53.5	47.5	52.1		53.5	47.5	49.2		52.0	40.5
23:35	52.1	52.3	53.5	48.5	52.3	52.7	53.5	48.5	52.0	52.1	53.5	47.5	52.5	52.0	53.5	48.0	46.8	48.0	50.5	41.5
23:40	52.6		54.0	49.0	51.2		52.5	46.0	51.9		53.0	46.5	51.2		52.5	46.5	47.8		49.0	41.5
23:45	53.7		56.0	50.0	52.5		54.0	47.5	52.9		54.5	49.5	53.5		55.5	48.5	53.5		56.0	47.5
23:50	52.9	53.3	54.5	49.0	52.0	51.9	53.5	48.0	51.8	52.0	53.5	47.0	51.8	52.3	53.0	48.0	47.8	50.5	51.0	40.5
23:55	53.3		56.5	48.0	51.1		52.5	46.0	51.2		52.5	46.0	51.3		52.5	46.5	46.9		52.0	37.0

Note:

Baseline D

Date	28-Jan-2014				29-Jan-2014				30-Jan-2014				31-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
00:00	45.9		48.5	38.0	45.3		48.5	40.0	44.7		47.5	40.0	51.6		56.5	36.5
00:05	46.4	46.7	50.0	40.0	45.3	45.6	49.5	40.0	46.3	45.8	49.0	41.0	44.9	50.4	50.0	38.5
00:10	47.5		51.0	43.5	46.1		48.5	40.5	46.2		50.5	37.0	51.9		57.0	40.5
00:15	50.9		55.0	41.0	52.2		56.0	41.5	51.3		55.5	44.5	51.7		55.5	44.0
00:20	46.4	48.0	49.0	42.0	49.8	50.1	52.0	47.0	49.1	48.9	54.0	41.0	47.3	48.9	51.5	40.0
00:25	43.6		46.0	39.5	46.6		49.5	42.5	42.4		45.0	37.0	45.2		49.5	38.0
00:30	49.8		53.5	42.0	48.2		50.5	41.5	38.7		39.0	34.5	44.8		48.5	36.5
00:35	48.0	48.4	53.0	40.5	44.6	46.0	47.5	39.5	39.2	41.4	41.5	33.5	44.1	46.5	47.5	37.0
00:40	46.9		51.0	40.5	43.9		46.5	40.0	44.1		48.5	33.5	49.0		52.5	39.5
00:45	53.2		58.0	45.0	49.2		52.0	44.5	50.0		55.0	40.5	50.4		55.0	41.5
00:50	49.7	50.6	53.0	42.0	47.7	47.5	53.0	39.0	45.8	47.8	49.0	41.0	41.3	47.8	43.5	35.5
00:55	45.9		48.5	40.0	44.5		48.5	39.0	46.2		48.5	42.0	47.7		51.0	41.0
01:00	52.3		57.5	41.0	52.7		57.5	44.0	42.8		45.5	37.0	47.1		50.5	39.5
01:05	42.4	50.2	45.5	36.5	43.5	49.4	45.5	40.0	38.6	40.5	41.0	35.5	37.2	46.9	39.5	34.0
01:10	51.0		58.0	35.5	47.4		51.0	41.0	38.8		43.0	34.0	49.5		55.0	36.0
01:15	46.0		48.5	41.0	53.5		57.5	41.0	40.3		44.0	34.5	53.1		57.5	39.0
01:20	51.4	48.0	58.0	36.5	43.0	50.5	45.5	38.5	49.7	45.8	55.5	34.5	41.6	48.7	44.5	35.0
01:25	39.7		42.5	35.5	49.7		55.5	36.5	39.8		40.5	32.0	34.9		36.5	32.5
01:30	51.5		57.5	35.5	39.6		42.5	35.5	46.0		51.5	34.0	35.0		36.5	33.0
01:35	36.9	47.8	38.5	34.5	37.2	41.5	38.5	35.5	39.8	44.5	42.0	36.0	39.2	43.6	42.0	35.0
01:40	45.5		50.5	36.0	44.5		46.5	37.5	45.4		48.0	39.5	47.6		52.0	37.5
01:45	51.8		56.5	41.0	53.3		55.5	49.0	48.1		52.5	37.5	51.7		57.0	37.0
01:50	45.6	48.3	48.0	39.0	46.9	49.6	50.5	39.0	44.6	46.3	49.5	34.0	37.4	47.6	39.0	35.0
01:55	41.8		45.5	35.0	39.2		41.0	35.5	45.3		50.5	34.0	42.5		46.5	32.5
02:00	45.2		49.0	35.5	38.7		41.0	35.5	41.5		42.5	39.5	42.5		45.0	37.5
02:05	38.0	45.8	40.0	35.0	37.7	41.1	39.5	35.0	43.3	43.3	46.0	38.5	39.7	48.0	41.5	37.0
02:10	48.7		53.0	35.5	44.0		49.0	34.0	44.5		48.5	35.5	52.1		55.0	39.0
02:15	51.6		55.5	44.0	45.9		48.5	32.5	49.1		56.0	36.5	39.2		40.5	33.0
02:20	45.7	48.2	48.0	40.0	47.5	45.4	52.5	33.0	36.8	45.0	41.0	---.-	33.8	37.9	36.5	---.-
02:25	42.4		45.0	36.0	39.6		43.5	35.5	39.5		43.0	33.0	38.8		43.0	---.-
02:30	46.8		50.5	39.0	46.6		50.5	40.0	38.2		40.5	33.5	38.7		41.5	33.5
02:35	42.5	43.9	45.0	38.5	41.9	43.9	42.0	36.5	35.0	36.1	37.5	---.-	33.2	35.9	35.0	---.-
02:40	39.1		42.0	33.5	40.9		44.5	36.5	34.1		37.5	---.-	33.2		37.0	---.-
02:45	51.3		56.0	37.5	52.4		56.5	42.0	34.1		37.5	---.-	50.9		56.0	32.5
02:50	46.6	47.9	49.5	35.0	41.1	48.0	43.5	35.0	43.0	44.2	49.0	---.-	35.8	46.3	37.0	33.5
02:55	35.5		39.0	---.-	35.8		38.0	32.5	47.5		52.5	38.0	***31.9***		33.5	---.-
03:00	***31.9***		33.5	---.-	***31.9***		33.5	---.-	37.5		40.5	33.0	***31.9***		34.0	---.-
03:05	39.2	44.5	42.0	---.-	***31.9***	32.9	---.-	---.-	33.8	36.3	36.5	---.-	34.1	39.0	37.5	---.-
03:10	48.7		52.5	36.5	34.3		39.0	---.-	36.9		40.0	---.-	42.9		48.0	---.-
03:15	48.8		52.5	36.0	45.0		50.5	32.5	45.2		50.0	35.5	42.1		46.0	34.5
03:20	32.6	44.2	35.5	---.-	47.8	44.9	51.5	32.5	40.4	46.0	43.5	33.0	34.9	38.6	37.5	---.-
03:25	32.1		36.0	---.-	***31.9***		34.5	---.-	48.7		51.5	39.5	33.4		35.5	---.-
03:30	***31.9***		34.0	---.-	35.4		38.5	---.-	32.1		36.0	---.-	34.5		36.5	---.-
03:35	***31.9***	48.2	34.5	---.-	39.1	42.8	41.5	34.0	39.7	43.1	43.0	---.-	42.8	44.9	48.5	33.0
03:40	52.9		59.0	---.-	46.6		50.5	37.5	47.0		50.5	38.0	48.5		53.0	34.5
03:45	48.2		53.0	37.0	50.6		55.5	39.0	52.1		57.5	39.5	38.1		41.5	34.0
03:50	47.3	46.5	49.5	41.0	38.5	46.3	40.5	35.0	42.0	47.8	45.0	34.5	33.0	35.3	35.0	---.-
03:55	41.1		45.5	---.-	37.8		39.0	35.5	34.1		37.0	---.-	32.1		34.5	---.-
04:00	33.0		35.5	---.-	39.0		42.0	36.0	34.6		38.0	---.-	34.0		36.0	---.-
04:05	***31.9***	46.1	33.5	---.-	45.5	42.7	47.0	42.0	34.5	36.5	37.5	---.-	***31.9***	33.9	34.5	---.-
04:10	50.7		57.0	---.-	40.9		45.5	33.5	38.9		44.5	---.-	35.3		36.0	---.-
04:15	45.6		50.5	35.0	50.9		55.5	39.5	42.7		48.0	34.5	43.9		48.0	36.5
04:20	38.2	44.1	41.0	---.-	45.7	48.2	50.0	39.0	37.6	39.4	41.0	---.-	42.1	41.5	46.5	34.0
04:25	45.4		51.0	32.0	45.8		49.5	38.5	32.3		36.0	---.-	32.6		34.5	---.-
04:30	41.3		44.5	35.5	42.2		45.0	35.0	35.2		40.0	---.-	32.3		35.0	---.-
04:35	32.1	44.9	36.0	---.-	45.8	45.2	49.5	38.0	37.6	40.7	44.0	---.-	33.0	34.2	37.5	---.-
04:40	48.9		54.0	---.-	46.5		49.0	39.5	44.2		48.0	32.5	36.3		40.5	---.-
04:45	37.9		40.5	34.0	49.9		55.5	36.5	51.9		58.0	37.0	37.8		40.5	34.0
04:50	37.9	36.8	41.0	32.5	35.6	45.4	38.5	---.-	39.8	47.4	43.5	32.5	36.7	43.4	38.5	---.-
04:55	33.0		36.0	---.-	***31.9***		33.5	---.-	33.2		36.0	---.-	47.4		52.5	33.0
05:00	52.4		58.5	---.-	48.9		55.0	---.-	40.1		44.5	---.-	47.9		53.5	33.5
05:05	32.6	47.8	35.5	---.-	39.2	44.6	41.5	36.5	49.3	45.4	55.0	---.-	34.6	43.4	36.5	32.5
05:10	35.4		39.0	---.-	***31.9***		35.5	---.-	39.9		45.0	32.5	***31.9***		33.0	---.-
05:15	47.0		49.5	41.0	42.1		45.5	33.0	41.1		47.0	32.5	44.2		47.5	33.0
05:20	38.3	42.9	42.5	---.-	34.0	40.7	36.5	---.-	41.8	42.3	44.0	38.0	40.4	41.4	45.0	33.0
05:25	33.6		36.0	---.-	42.2		46.0	33.0	43.6		47.0	33.0	36.1		39.0	32.5
05:30	33.6		37.5	---.-	35.5		39.0	---.-	32.6		36.0	---.-	33.6		35.5	---.-
05:35	***31.9***	43.3	35.5	---.-	37.4	36.1	38.5	35.5	35.0	38.9	37.0	---.-	***31.9***	32.5	34.0	---.-
05:40	47.8		52.0	33.0	35.0		36.5	32.5	42.6		47.0	33.5	***31.9***		35.0	---.-
05:45	47.1		52.0	39.5	47.4		51.0	40.0	45.2		47.5	34.5	***31.9***		34.5	---.-
05:50	41.8	45.7	43.5	36.5	44.7	45.9	49.0	38.0	48.5	46.1	53.5	33.0	***31.9***	31.9	33.0	---.-
05:55	46.6		52.0	33.5	45.0		50.0	36.5	42.7		44.5	39.5	***31.9***		---.-	---.-
06:00	40.9		44.0	35.5	38.6		41.0	34.5	43.1		46.5	35.0	47.0		52.0	---.-
06:05	47.3	43.9	51.0	40.0	46.1	42.7	48.5	39.5	43.8	42.5	47.0	35.0	47.4	47.4	49.5	43.0
06:10	38.7		41.5	35.5	39.1		41.0	37.0	39.6		44.0	33.0	47.9		49.0	38.0
06:15	53.4		59.0	37.0	47.8		51.5	37.5	39.1		40.5	37.0	52.2		57.5	37.0
06:20	41.0	49.2	44.5	36.0	47.0	46.0	52.5	39.0	51.7	47.9	57.0	39.0	42.4	48.4	45.5	36.5
06:25	42.8		46.5	35.0	39.8		44.0	---.-	44.7		47.0	40.5	43.8		48.0	33.5
06:30	40.6		43.0	33.5	35.8		37.5	32.0	45.1		47.5	38.5	37.7		40.0	34.0
06:35	42.9	46.0	45.0	38.5	38.5	45.0	42.5	---.-	41.2	44.0	44.5	37.0	44.8	43.1	46.5	36.5
06:40	49.5		51.0	43.5	49.2		51.5	39.0	44.7		46.0	42.5	44.1		45.5	40.0
06:45	49.6		52.0	40.0	50.8		55.0	37.0	45.2		48.5	37.5	51.7		54.0	38.5
06:50	51.0	50.9	55.0	37.5	49.0	52.1	52.0	40.5	49.0	48.6	52.0	41.0	56.3	54.3	60.0	37.0
06:55	51.9		56.5	37.0	54.6		58.0	47.5	50.3		52.5	45.0	53.7		56.5	34.5
23:00	54.9		56.0	42.5	53.6		54.0	38.0	54.1		54.0	40.0	49.6		53.5	41.5
23:05	51.5	53.4	55.5	44.5	45.4	49.8	48.0	39.5	46.1	51.3	48.5	42.0	50.4	49.3	55.0	42.5
23:10	53.1		57.0	45.0	43.7		47.0	37.5	50.4		55.5	41.5	47.3		50.5	39.5
23:15	51.1		55.0	44.0	50.2		54.5	38.5	48.3		51.5	42.5	51.5		55.0	44.0
23:20	49.6	49.4	53.5	43.0	44.8	47.0	47.5	39.5	49.3	49.3	54.5	41.5	44.8	48.0	48.0	39.5
23:25	46.0		50.0	41.0	42.2		45.0	37.0	50.2		56.0	40.0	42.5		45.0	39.0
23:30	51.7		54.5	45.5	51.3		56.0	40.0	44.4		47.0	40.0	52.5		55.5	46.0
23:35	48.3	49.6	51.5	42.5	42.7	48.3	45.5	37.0	43.7	47.1	46.0	40.5	48.9	50.0	51.5	45.5
23:40	47.7		51.0	42.0	47.1		50.5	38.5	50.1		54.5	40.5	46.6		51.0	40.0
23:45	53.3		58.0	44.5	49.7		54.5	39.0	51.6		56.0	39.0	52.7		57.0	44.0
23:50	50.1	52.1	52.5	46.0	48.9	49.9	52.5	43.0	50.3	49.9	54.0	40.5	43.7	48.6	46.0	37.0
23:55	52.3		57.0	42.5	50.8		54.5	43.5	46.3		48.5	42.5	38.0		40.5	34.5

Note:

Restricted Hours 0700 – 1900 (Holiday)

Baseline Noise Monitoring Resutls of N1

Baseline Data for Restricted Hour 0700-1900 Holiday

Date	19-Jan-2014				26-Jan-2014				31-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
07:00	54.7		57.0	51.5	51.4		53.0	47.0	58.1		62.5	38.0
07:05	55.4	54.6	57.5	51.5	51.3	51.6	52.5	46.5	55.7	56.1	58.0	41.0
07:10	53.6		55.0	50.5	52.0		53.5	48.0	53.3		58.0	44.0
07:15	55.2		57.0	52.5	52.9		55.0	47.5	58.5		61.0	46.5
07:20	54.2	55.0	55.0	51.5	53.2	53.3	56.0	48.5	55.5	56.0	60.0	46.5
07:25	55.4		57.0	52.5	53.7		55.0	49.5	51.1		54.0	46.0
07:30	55.3		56.0	52.5	54.9		58.0	49.5	52.0		54.5	46.5
07:35	54.6	55.0	56.0	51.5	54.4	54.6	56.5	50.5	56.2	56.9	59.5	46.5
07:40	55.1		56.5	52.5	54.4		56.5	50.0	59.5		63.5	50.0
07:45	56.7		58.5	54.0	54.4		56.0	50.5	55.4		59.0	48.0
07:50	54.3	55.4	55.5	51.5	55.1	55.1	57.5	50.5	54.8	54.8	57.5	49.5
07:55	54.8		56.0	51.5	55.7		57.5	51.5	54.0		57.0	47.5
08:00	57.2		60.5	52.0	58.8		62.5	53.0	56.3		60.0	47.0
08:05	54.4	56.1	56.0	51.5	54.3	56.9	56.0	51.0	55.3	55.9	58.5	48.5
08:10	56.2		57.5	54.0	56.4		59.0	52.0	56.0		60.0	46.0
08:15	54.8		55.5	52.5	54.1		56.5	50.0	55.4		59.5	47.0
08:20	55.0	55.1	56.5	52.5	56.2	54.8	59.0	51.5	55.3	55.3	58.5	48.5
08:25	55.6		57.0	53.0	53.8		55.5	50.0	55.3		57.5	49.0
08:30	55.4		57.0	51.5	54.3		56.0	50.5	55.1		58.0	46.5
08:35	54.0	55.1	55.0	51.0	55.4	54.8	58.5	50.0	55.1	55.1	59.0	45.5
08:40	55.8		57.5	53.0	54.7		56.5	48.5	55.0		58.5	47.0
08:45	55.3		56.5	52.5	55.5		57.5	51.0	56.7		60.0	50.0
08:50	55.6	56.2	57.0	52.5	55.0	55.2	57.0	51.5	55.1	56.5	58.5	48.5
08:55	57.4		60.0	53.5	55.2		56.5	51.0	57.5		62.0	47.0
09:00	55.6		57.0	53.0	53.8		55.5	50.0	58.3		61.5	46.5
09:05	57.6	56.9	60.5	53.5	55.0	57.2	58.0	50.5	54.3	57.6	57.5	48.0
09:10	57.3		59.0	53.5	60.1		62.5	54.5	58.9		63.0	48.5
09:15	54.9		56.0	53.0	61.4		63.0	58.5	56.0		59.5	47.0
09:20	56.3	55.7	58.0	54.0	63.7	62.7	66.0	60.5	56.1	56.2	59.0	49.0
09:25	55.7		56.5	52.5	62.7		64.0	59.5	56.4		60.0	46.0
09:30	60.5		60.0	52.0	63.3		66.0	59.5	54.8		58.5	47.5
09:35	66.0	62.7	63.0	52.0	64.5	64.8	67.5	60.0	56.4	55.7	60.0	47.0
09:40	56.7		58.0	53.5	66.2		69.5	60.5	55.8		59.5	47.5
09:45	56.8		59.0	53.5	66.6		69.0	60.5	57.4		60.5	50.0
09:50	56.6	56.5	58.5	53.0	63.6	64.5	66.0	59.0	60.3	59.7	64.0	50.5
09:55	56.0		57.5	52.5	61.8		65.0	58.5	60.8		64.5	48.5
10:00	54.1		56.0	50.5	59.6		61.0	57.5	57.6		61.0	48.5
10:05	54.1	54.3	55.5	51.5	58.6	59.9	59.0	57.0	59.2	59.9	62.0	49.5
10:10	54.8		57.0	51.5	61.2		63.5	58.0	61.8		64.0	53.0
10:15	55.1		57.5	51.5	58.9		59.5	57.0	59.7		62.0	51.0
10:20	54.1	54.6	55.0	51.5	60.6	60.5	63.0	58.0	57.8	58.2	61.0	48.5
10:25	54.4		56.0	51.0	61.5		62.0	59.5	56.3		59.5	49.5
10:30	57.5		60.0	53.0	62.4		63.0	60.0	59.0		63.0	49.0
10:35	57.1	56.6	57.0	52.5	61.3	61.9	62.0	60.0	57.1	57.6	60.5	47.5
10:40	54.8		56.0	52.5	61.8		62.5	60.5	56.1		58.5	50.0
10:45	56.3		58.5	53.0	62.2		64.0	59.0	70.6		64.0	49.5
10:50	54.1	55.2	55.5	51.5	60.2	61.0	60.5	58.0	56.3	66.1	60.5	46.5
10:55	54.9		56.0	52.5	60.4		62.0	57.5	54.5		58.0	47.0
11:00	55.1		56.5	52.5	58.6		59.5	57.0	56.8		60.5	49.5
11:05	57.4	55.9	59.0	54.0	58.1	59.0	59.0	56.5	56.4	56.6	60.5	47.5
11:10	54.7		56.0	52.0	60.0		61.5	58.5	56.5		60.5	47.5
11:15	55.9		57.5	53.0	59.7		60.5	58.0	59.6		62.5	47.5
11:20	56.0	56.1	58.0	53.0	61.9	62.0	63.0	58.5	56.9	57.8	61.0	46.5
11:25	56.3		58.5	52.5	63.5		67.5	59.0	56.3		58.5	45.0
11:30	56.8		57.0	52.0	61.1		62.5	58.0	56.4		60.0	45.0
11:35	55.1	58.0	56.5	52.0	58.7	60.8	62.0	51.5	55.4	55.0	59.5	44.0
11:40	60.3		57.5	52.5	61.9		58.5	49.0	52.0		54.0	46.0
11:45	55.2		56.5	52.5	53.5		55.0	48.5	54.3		56.5	45.5
11:50	53.6	54.5	55.0	51.0	54.8	54.0	56.5	50.0	51.2	52.3	53.5	43.5
11:55	54.5		56.0	52.0	53.6		54.5	49.5	50.4		52.5	42.0
12:00	57.4		57.0	52.0	54.6		55.5	50.0	55.4		59.0	45.0
12:05	53.6	55.4	55.0	51.0	56.2	54.8	58.0	49.0	52.1	53.1	56.0	43.5
12:10	54.0		55.5	51.0	53.1		54.0	48.5	50.3		53.5	42.0
12:15	55.1		57.5	51.0	58.4		56.5	49.0	51.4		55.0	43.5
12:20	54.5	54.8	56.0	52.0	53.9	56.2	53.5	48.5	49.3	49.8	52.5	44.0
12:25	54.8		56.0	52.0	54.9		57.5	49.0	48.2		49.5	40.5
12:30	56.9		57.0	52.5	59.8		60.5	58.5	50.8		53.0	43.0
12:35	53.8	55.0	54.5	50.0	60.4	60.3	62.0	57.5	50.7	50.8	54.0	44.5
12:40	53.6		55.5	49.5	60.6		59.5	57.5	50.8		54.5	43.5
12:45	54.2		56.0	50.5	59.5		59.5	57.0	51.3		54.0	44.5
12:50	53.1	53.5	54.5	50.0	61.2	61.0	63.0	57.5	53.2	52.4	56.5	45.0
12:55	53.2		55.0	50.0	61.9		64.5	58.0	52.4		54.5	44.5

Baseline Data for Restricted Hour 0700-1900 Holiday

Date	19-Jan-2014				26-Jan-2014				31-Jan-2014			
Time	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)	Leq5min	LAeq15min	L10(5mins)	L90(5mins)
13:00	56.8		56.5	51.0	63.9		67.0	58.0	50.8		52.0	41.5
13:05	53.5	55.0	54.5	50.5	63.4	64.2	66.0	59.5	52.2	55.7	55.0	44.0
13:10	53.8		55.5	50.5	65.0		68.0	60.5	59.2		60.0	44.0
13:15	54.1		55.5	51.0	62.8		65.5	58.5	58.6		62.5	45.0
13:20	52.8	55.1	54.0	49.5	59.3	63.1	60.0	58.5	47.8	54.6	49.0	41.5
13:25	57.2		57.0	51.0	65.3		67.0	58.5	49.4		52.0	44.0
13:30	55.8		58.5	50.5	63.4		64.0	58.0	48.9		52.5	41.0
13:35	55.4	55.2	57.0	50.5	66.1	65.9	67.5	59.0	46.0	47.3	49.0	40.0
13:40	54.4		56.0	50.5	67.4		68.0	66.5	46.5		49.5	41.0
13:45	55.6		57.0	51.5	67.6		68.0	66.5	51.8		55.0	45.0
13:50	54.1	54.6	55.0	51.5	65.8	66.9	67.0	59.0	52.2	52.7	55.5	44.5
13:55	53.8		55.0	50.0	67.0		68.0	63.5	53.9		58.0	45.0
14:00	54.5		56.0	51.5	61.5		64.0	58.5	52.4		56.0	43.5
14:05	59.2	56.6	62.0	51.5	61.1	60.5	63.0	57.5	48.4	51.1	50.5	43.0
14:10	54.3		56.0	51.0	58.3		59.0	56.5	51.7		53.5	44.5
14:15	54.4		56.0	51.5	61.6		63.0	57.0	51.5		55.0	45.5
14:20	54.3	55.4	55.5	51.0	61.4	63.9	65.5	58.0	53.1	52.1	55.0	45.0
14:25	57.0		59.0	50.0	66.6		68.0	60.5	51.6		54.0	46.0
14:30	54.1		55.5	51.0	62.7		64.5	60.5	52.1		55.5	42.5
14:35	54.8	54.5	55.0	49.0	62.7	64.5	64.5	61.0	58.5	55.9	60.5	43.0
14:40	54.6		56.0	49.5	66.7		68.0	59.5	54.8		56.0	42.0
14:45	60.6		62.5	52.5	59.2		60.0	57.5	55.0		56.0	42.0
14:50	54.8	57.5	56.5	51.5	61.2	59.8	63.0	57.5	54.9	53.7	57.0	43.0
14:55	53.8		55.0	50.0	58.5		59.5	56.5	48.7		51.0	42.5
15:00	56.6		58.0	50.5	59.0		59.5	57.5	60.0		65.0	42.5
15:05	55.2	55.4	57.5	51.5	61.5	60.4	65.0	57.0	46.5	55.6	49.0	41.5
15:10	53.9		55.0	50.0	60.3		62.5	57.0	46.2		49.5	40.0
15:15	55.2		57.5	50.5	59.9		61.5	57.0	49.0		52.0	43.0
15:20	54.8	54.7	56.5	51.0	60.8	61.0	63.0	58.5	55.4	54.0	55.5	43.5
15:25	54.1		55.5	51.0	62.0		64.0	59.5	55.2		57.0	45.5
15:30	53.7		54.5	50.0	60.5		61.5	58.5	56.7		61.5	45.0
15:35	53.5	53.8	55.0	50.5	59.6	60.7	60.5	58.0	62.3	59.0	67.0	44.0
15:40	54.1		55.0	50.5	61.7		64.0	53.5	53.0		56.0	41.0
15:45	58.7		58.5	51.5	55.3		57.5	50.5	54.2		58.0	40.0
15:50	54.7	56.2	56.0	51.0	55.5	54.8	57.5	51.0	57.5	55.1	59.5	46.0
15:55	53.1		54.5	50.0	53.4		55.0	50.0	51.8		55.5	42.5
16:00	57.3		58.5	51.5	61.1		64.0	53.5	54.5		57.5	44.0
16:05	53.5	55.3	55.0	50.5	63.1	62.4	66.5	55.0	55.5	54.3	58.5	43.0
16:10	54.2		55.5	51.5	62.7		66.0	54.5	52.2		56.0	45.0
16:15	54.7		56.0	52.0	60.4		63.5	53.0	54.4		57.5	48.5
16:20	59.3	56.7	59.0	51.5	60.6	60.2	62.0	58.0	59.2	56.4	60.0	49.0
16:25	54.1		55.5	51.0	59.5		60.0	58.5	53.1		56.0	46.5
16:30	52.9		54.0	49.5	58.9		60.0	56.5	52.5		55.5	45.5
16:35	56.3	54.6	56.0	50.0	61.7	60.2	64.0	57.5	57.6	56.8	61.5	46.5
16:40	53.9		55.5	50.0	59.3		60.5	57.5	58.3		62.0	45.5
16:45	59.5		60.0	51.0	60.7		62.5	58.5	58.2		61.0	47.5
16:50	53.6	56.5	55.5	49.5	61.5	62.2	63.0	59.0	51.4	56.0	54.5	43.0
16:55	53.4		55.0	49.0	63.7		67.0	57.0	56.1		59.0	49.0
17:00	56.4		57.5	51.0	61.1		65.5	51.5	60.8		63.0	46.0
17:05	53.5	54.9	55.0	50.0	55.0	57.9	58.0	50.0	63.4	61.2	59.0	45.5
17:10	54.2		56.0	50.5	54.0		55.0	50.5	57.5		62.0	45.0
17:15	54.1		55.5	51.0	55.4		56.5	51.5	57.2		61.0	47.0
17:20	54.7	54.3	56.5	51.5	53.7	55.1	55.0	50.0	51.6	54.7	55.5	43.5
17:25	54.2		56.0	50.5	55.9		58.5	50.5	53.5		57.5	43.0
17:30	54.8		56.5	51.5	55.0		54.5	49.0	50.0		53.5	42.0
17:35	54.3	58.0	55.5	50.5	52.0	53.2	53.5	48.0	57.1	53.4	57.5	42.0
17:40	61.2		65.5	52.0	51.9		53.0	47.0	46.8		51.0	40.0
17:45	54.7		56.0	50.5	55.1		58.0	50.0	60.5		65.0	47.0
17:50	54.6	54.1	57.0	50.5	59.0	56.3	62.5	49.5	57.0	57.9	61.5	43.0
17:55	52.8		54.0	49.5	52.3		53.5	48.0	53.5		58.0	42.0
18:00	55.4		55.0	48.0	51.6		53.0	47.5	58.9		64.0	42.0
18:05	53.2	53.8	55.0	49.5	56.4	54.8	58.0	47.5	47.3	54.6	51.5	34.5
18:10	52.3		53.5	48.5	55.0		55.0	48.0	46.0		49.0	40.0
18:15	52.5		54.0	48.5	52.6		54.5	48.5	49.5		52.5	43.5
18:20	59.4	56.1	59.5	51.0	53.8	52.9	56.0	49.0	47.5	47.3	51.0	41.0
18:25	52.7		54.5	48.5	52.0		53.5	48.0	42.4		45.0	38.0
18:30	53.3		55.5	49.5	52.8		54.5	47.5	51.1		55.5	43.5
18:35	55.2	53.9	54.5	47.5	51.9	55.5	53.0	46.5	57.2	53.7	58.0	38.0
18:40	52.8		53.0	47.5	58.6		59.5	48.0	46.7		51.0	39.0
18:45	54.0		56.5	50.0	52.4		54.0	47.5	52.9		56.5	43.5
18:50	52.4	52.8	54.0	48.5	54.7	53.7	55.5	49.0	46.6	49.3	48.5	41.5
18:55	51.6		53.0	47.0	53.7		53.0	47.0	41.4		42.5	38.0

Note: Bold with italic were not take into account as a validate baseline data

Measurement undertaken free-field situation.

Raw Data

←@ ←2←5 ----------

Br el & Kj◀r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME:	001.M24
SETTINGS:	
Serial no:	2285721
Range:	32.0 - 112.0 dB
Peaks Over:	140 dB
2nd Exch. Rate:	4 dB
Period Time:	Normal
Logged Every:	05:00
Detector 1 (RMS)	
Bandwidth:	Broad Band
Freq. Wgt.:	A
Detector 2 (Br.Band)	
Weighting:	Peak/C
Sound Incidence:	Frontal
Windscreen Correction:	Off
CALIBRATION:	
Micr.:	2588103
Sensitivity:	-30.8 dB
Date:	2013 Dec 23 18:13:39
OVERALL RESULTS:	
Start Date	2014 Jan 17
Start Time	16:52:52
Elapsed Time	67:52:02
Overload	0.0 %
Underrange	0.0 %
RMS MEASUREMENT RESULTS:	
Bandwidth:	Broad Band
Freq. Wgt.:	A
LFMax	95.1 dB
LSMax	87.3 dB
LIMax	98.4 dB
LFMin	42.6 dB
LSMin	49.6 dB
LIMin	51.4 dB
LAFTm5	61.2 dB
Leq	56.3 dB
LIeq	59.9 dB
PEAK MEASUREMENT RESULTS:	
Freq. Wgt.:	C
#Peaks	0
Lpkmax	115.2 dB

LOGGED RESULTS (1 of 1):

Marker	LAeq	LAF10	LAF90	LAFMin	LAFMax
OU1234	dB	dB	dB	dB	dB
	61.4	64.5	49.5	44.5	81.7
	53.3	54.5	49.5	45.9	68.2
	52.3	53.5	48.5	44.5	61.7
	57.1	58.5	51.0	46.0	71.1
	54.8	57.0	51.5	46.6	66.3
	54.2	56.0	51.0	45.7	61.2
	53.9	55.0	51.5	46.5	61.4
	52.8	54.0	49.5	46.5	56.8
	57.7	61.5	51.0	46.8	71.4

57.4	61.0	49.5	45.4	71.3
58.9	59.0	49.5	45.7	77.6
59.7	59.0	50.5	45.3	79.4
60.5	63.0	51.0	46.5	77.9
60.0	64.5	51.5	45.3	70.2
58.0	62.0	52.0	46.4	68.8
58.2	61.5	50.0	44.8	69.9
56.1	59.5	49.5	44.9	69.5
54.8	57.0	51.0	45.3	61.9
58.7	61.0	53.0	48.1	73.8
55.2	55.0	49.5	45.3	72.1
56.2	59.0	52.0	47.3	62.5
54.0	55.5	51.0	46.7	62.1
55.2	57.0	50.0	45.6	70.6
59.3	59.5	52.0	46.8	74.9
54.1	55.5	50.5	47.1	63.6
52.6	54.0	49.0	46.8	59.0
56.8	58.5	51.0	46.1	70.5
56.2	59.0	50.0	45.3	71.2
58.2	62.5	51.0	45.8	70.7
53.6	54.5	49.5	45.0	68.9
52.2	53.5	48.5	44.8	57.1
52.5	54.0	48.5	44.7	57.0
51.8	53.0	47.5	44.3	55.4
55.6	54.5	48.5	44.2	70.8
52.8	54.5	48.5	44.2	58.8
53.8	56.0	50.0	46.5	60.3
53.1	55.0	49.0	46.2	59.0
55.0	57.5	50.0	45.8	62.9
55.7	56.0	48.5	44.6	71.3
54.8	57.0	51.0	45.7	63.5
53.5	56.0	48.0	44.2	63.1
53.4	55.0	50.0	45.6	57.4
52.9	54.5	49.0	44.6	61.4
55.1	57.0	49.5	44.5	68.8
57.9	60.5	50.0	44.5	71.6
52.0	53.5	48.5	44.6	56.5
53.0	55.5	48.5	44.1	59.3
53.4	54.5	49.0	44.0	72.7
52.8	54.0	49.5	45.7	58.1
53.1	55.5	48.5	44.9	60.1
51.7	53.0	47.5	44.2	54.7
53.3	54.5	50.5	47.4	58.0
59.2	59.0	49.5	45.5	75.8
52.8	55.0	48.5	44.3	59.0
54.5	56.5	50.5	45.9	67.7
56.9	60.5	50.0	44.9	68.7
56.7	58.0	49.5	44.8	70.6
55.0	54.5	48.5	44.7	71.2
53.0	55.0	49.0	44.5	59.5
54.6	57.0	51.0	45.5	60.4
54.7	57.5	50.0	44.3	64.5
53.4	55.5	49.5	44.9	60.4
56.4	57.0	50.0	46.1	70.9
55.0	59.0	48.0	44.1	64.2
52.1	54.0	47.5	44.2	56.6
54.0	56.0	50.0	44.7	61.2
52.3	53.5	48.0	44.2	61.0
53.0	55.0	49.0	43.9	61.1
53.2	55.5	49.0	46.5	60.2
56.3	57.5	49.5	45.9	70.0
54.7	57.0	50.0	44.7	64.8
53.5	55.0	50.5	44.5	58.9
52.3	53.5	48.5	45.0	59.7
52.6	54.0	48.5	44.9	62.0
56.5	56.5	50.0	45.2	70.7
51.7	53.0	47.5	44.4	55.0
53.1	54.5	50.0	44.5	57.5
53.4	55.0	50.0	46.1	60.5
51.9	53.0	48.0	45.1	54.7
53.1	55.0	48.5	45.4	61.2
54.0	56.0	50.0	45.2	62.1
52.4	54.0	48.5	45.0	56.6
53.2	55.5	49.0	44.8	58.2
51.8	53.0	47.5	44.6	56.2

51.9	53.0	48.0	44.7	55.3
52.6	54.5	48.0	44.9	59.8
52.2	54.0	48.0	44.6	57.0
51.9	53.0	48.0	45.6	55.2
53.2	55.5	49.0	46.1	60.7
53.6	55.0	50.0	46.8	62.2
52.0	53.5	48.0	45.1	55.9
54.5	56.5	50.5	46.0	61.2
56.7	60.5	49.0	45.1	64.7
51.5	53.0	47.5	45.1	54.0
52.7	54.5	48.5	45.5	57.9
52.4	54.0	49.0	45.3	56.4
52.1	53.5	48.0	45.4	57.6
52.5	54.0	48.5	45.4	62.0
51.8	53.0	47.5	44.4	57.0
51.3	52.5	47.0	44.2	54.1
53.1	56.0	48.0	44.4	63.6
52.3	54.5	47.5	44.2	59.8
51.4	52.5	47.0	44.4	53.7
51.3	52.5	47.0	44.5	54.1
51.8	53.5	48.0	44.2	55.1
51.4	52.5	47.0	44.6	53.6
52.7	54.5	48.5	44.6	57.9
52.7	54.5	48.5	44.2	57.8
51.1	52.5	46.0	43.7	53.6
51.2	52.5	46.5	43.6	53.8
51.7	53.0	47.0	43.7	56.3
51.2	52.5	46.5	43.9	53.6
52.2	54.5	47.0	43.9	58.5
51.1	52.5	46.0	43.5	53.9
51.1	52.5	46.0	43.7	62.4
52.7	55.0	47.5	44.1	60.0
51.2	52.5	46.5	43.7	53.7
51.6	53.0	47.5	44.7	54.2
51.6	53.0	47.5	43.7	55.8
52.3	54.5	47.5	43.8	59.3
53.0	54.5	49.0	45.4	57.7
52.7	54.0	49.0	45.8	57.9
52.0	53.5	47.5	44.7	55.5
52.1	53.5	48.5	45.8	55.4
52.3	53.5	49.0	45.8	55.6
51.8	53.0	48.0	44.5	56.9
52.2	53.0	48.0	44.9	63.8
52.1	53.5	48.0	45.2	56.7
53.1	54.5	50.0	45.8	58.4
51.5	53.0	47.5	45.1	53.7
53.2	55.5	49.0	45.5	59.4
52.9	54.5	49.0	45.1	58.3
51.5	53.0	47.0	44.7	55.1
51.5	53.0	47.5	45.0	53.9
51.5	53.0	47.0	44.8	54.7
51.8	53.0	48.0	45.2	54.3
52.1	53.5	48.5	45.4	58.1
52.1	53.5	48.5	45.0	55.3
51.6	53.0	47.5	45.3	54.2
52.0	53.5	48.0	45.2	55.8
52.2	53.5	48.5	45.4	56.9
51.8	53.0	48.0	45.2	56.5
53.3	56.0	48.5	45.8	60.3
51.9	53.0	48.0	45.9	55.3
52.2	53.5	49.0	46.7	54.5
53.0	54.5	50.0	47.1	58.2
55.2	57.0	52.0	47.3	62.1
52.3	53.5	49.0	45.9	56.1
51.7	53.0	47.5	45.3	56.4
55.9	58.5	50.0	44.8	62.0
52.8	54.5	49.0	45.8	58.1
51.3	52.5	46.5	44.1	54.2
51.3	52.5	46.5	44.2	53.9
51.3	52.5	46.5	44.2	57.3
51.1	52.5	46.5	44.1	53.3
51.1	52.5	46.0	43.8	53.5
51.1	52.5	46.0	43.8	53.9
51.1	52.5	46.0	43.7	53.6
51.5	53.0	47.0	43.7	55.8

52.2	53.5	48.5	44.9	55.9
51.9	53.5	47.5	44.0	57.1
51.1	52.5	46.5	44.0	54.0
51.9	53.5	47.5	44.3	57.5
51.9	53.0	48.0	44.5	55.8
51.4	52.5	47.0	43.9	61.1
51.9	53.5	48.0	44.0	61.2
51.8	53.0	47.5	45.0	56.3
51.3	52.5	46.5	44.1	55.0
51.6	53.0	47.5	44.1	55.8
51.5	53.0	47.0	44.1	55.4
52.1	53.5	48.0	44.2	60.7
53.3	55.0	50.0	46.1	58.0
54.4	56.5	50.5	46.9	63.0
53.9	55.5	51.0	46.7	61.5
52.8	54.0	49.5	45.3	62.2
55.2	58.0	50.5	46.7	66.2
55.5	58.0	52.0	47.7	68.5
54.1	55.5	51.0	47.3	66.3
55.1	57.0	51.5	47.5	63.4
55.1	56.5	51.5	48.0	66.8
54.3	55.5	50.0	46.5	71.2
55.5	57.5	51.0	47.4	69.2
54.6	56.5	51.5	46.9	66.0
57.6	60.0	51.0	48.0	73.1
56.4	58.5	50.0	45.9	73.2
55.0	56.5	51.5	46.1	64.7
53.7	55.0	49.5	45.7	68.8
56.4	58.5	53.0	48.4	64.8
56.8	59.5	51.5	45.0	65.1
56.3	59.5	50.5	45.1	66.8
56.4	58.0	50.5	46.8	73.7
59.1	62.5	51.0	46.6	74.4
56.9	58.0	52.0	48.8	73.1
53.3	55.5	49.0	45.6	59.8
56.4	59.5	50.5	46.7	68.3
57.4	61.0	51.0	47.3	66.8
59.9	62.0	51.0	46.3	74.0
57.5	60.0	53.5	50.2	67.4
63.5	61.0	52.0	47.0	89.3
55.9	58.5	51.0	45.4	67.6
58.4	61.0	53.0	48.0	69.9
55.3	57.0	50.0	44.9	67.0
58.8	62.5	51.5	45.6	68.2
58.0	62.5	50.0	45.7	69.4
55.0	56.5	51.0	47.0	69.2
56.1	57.5	51.5	47.0	70.8
55.6	58.0	51.0	47.0	67.2
60.9	62.5	52.0	47.3	79.4
56.1	57.5	51.0	46.2	71.4
56.1	57.0	51.5	47.6	73.1
57.3	60.5	51.5	46.0	63.8
58.1	61.0	50.0	45.8	73.2
53.0	54.5	49.5	45.8	66.7
54.3	55.0	50.0	45.5	76.2
54.3	56.0	51.0	46.6	69.3
55.0	56.0	52.5	47.7	65.4
53.6	55.0	50.5	46.0	62.0
53.8	55.5	50.5	46.3	63.8
54.9	57.5	51.0	46.1	62.9
54.4	56.5	50.0	45.5	64.1
59.7	61.5	53.5	49.3	73.8
54.4	55.5	51.5	47.9	64.2
53.7	55.0	50.5	46.8	64.1
54.4	55.5	50.5	46.2	65.3
56.4	58.5	49.5	45.5	70.1
53.7	56.5	48.5	44.6	61.1
53.0	54.5	49.0	44.4	62.2
58.8	58.0	51.0	46.4	74.7
54.5	54.0	49.0	45.5	70.9
53.5	55.5	49.5	45.1	61.1
56.4	57.0	50.0	45.4	69.6
56.2	59.0	50.5	45.7	72.1
58.9	58.5	50.0	45.8	75.2
55.2	57.0	51.5	47.7	61.0

55.4	56.5	51.5	48.6	70.2
55.2	57.0	51.0	47.0	68.5
56.4	56.0	49.0	45.4	71.8
52.4	53.5	48.5	45.7	66.4
59.2	57.5	50.0	46.5	75.1
52.4	54.0	48.5	44.7	59.9
52.6	54.0	49.0	45.3	61.9
52.9	54.0	49.5	45.2	64.8
57.2	59.5	51.0	44.9	70.5
52.1	53.5	48.5	45.1	55.3
58.7	58.5	50.0	45.2	74.9
55.0	56.5	51.5	46.4	66.2
54.6	56.0	50.0	45.8	66.8
56.1	59.0	52.0	45.8	66.4
58.9	61.5	52.0	46.0	71.0
52.8	54.0	49.0	45.3	59.9
55.3	57.0	51.5	47.0	66.3
54.3	56.0	51.0	47.4	64.1
52.5	53.5	49.0	45.2	59.5
52.4	53.5	48.0	44.5	61.5
53.6	55.0	50.5	46.0	59.8
54.2	55.0	50.0	46.7	67.7
59.4	60.5	51.5	45.7	73.0
54.9	56.5	52.0	49.4	63.9
54.4	57.0	49.5	44.7	64.9
52.6	54.0	48.5	45.2	59.8
56.4	56.0	50.5	45.5	70.5
54.1	57.0	50.0	44.9	61.7
55.2	58.5	50.0	46.5	65.8
54.2	56.5	50.5	46.5	61.3
58.8	58.0	50.0	46.2	75.2
54.7	56.5	50.5	45.8	63.3
55.7	54.0	49.0	46.1	71.1
54.9	56.5	50.5	45.0	67.8
54.8	56.5	51.0	47.0	67.1
54.0	56.0	50.0	45.8	61.0
52.7	54.0	49.5	45.4	56.4
53.6	55.5	49.5	45.3	62.9
54.2	56.0	51.0	45.7	60.3
52.7	54.0	49.0	46.1	63.2
53.7	55.5	49.5	45.3	66.3
54.0	55.0	51.0	47.5	66.8
53.7	56.0	50.0	45.7	60.0
58.9	59.0	50.5	46.3	74.1
53.2	54.5	49.0	45.4	73.7
54.3	56.0	50.5	46.3	69.1
57.1	58.0	50.5	46.0	72.2
53.5	55.0	50.0	45.5	65.0
53.3	54.5	50.5	46.9	62.4
54.7	57.0	50.5	46.2	64.0
59.6	59.0	50.5	45.7	75.1
53.7	55.0	51.0	48.1	61.3
55.4	57.0	51.0	46.7	75.5
55.5	58.0	52.0	48.4	70.5
57.5	58.5	53.0	49.5	69.8
54.0	55.5	51.0	47.4	68.5
52.4	53.5	49.0	46.5	58.9
52.3	54.0	48.5	45.0	57.0
53.8	56.5	49.0	44.4	60.4
54.9	57.0	52.0	47.7	59.3
56.3	58.0	50.5	46.7	71.5
54.0	56.5	50.0	46.1	62.3
53.1	54.5	50.0	46.9	60.3
59.9	60.5	51.0	47.2	76.0
54.6	56.5	50.5	45.5	61.1
55.5	57.5	50.5	47.4	67.7
53.3	55.0	50.0	46.9	57.7
56.5	56.0	51.5	47.6	69.9
55.2	56.5	51.0	47.5	68.9
51.7	53.0	47.5	44.3	57.1
52.6	54.5	48.0	45.0	59.1
58.7	59.0	51.0	45.7	72.6
53.6	56.0	49.0	44.9	60.9
54.5	56.5	50.0	44.9	60.7
57.1	58.5	49.5	45.5	71.0

53.7	55.0	48.5	44.3	67.9
53.5	56.0	49.0	44.8	59.8
54.1	56.0	51.0	47.1	59.2
54.1	56.0	51.0	46.7	61.2
52.6	54.0	49.0	45.1	56.7
56.0	55.5	49.0	44.6	70.1
52.8	54.5	48.5	44.5	58.2
54.5	56.5	51.5	46.9	61.3
52.9	54.5	49.5	45.7	57.7
53.0	54.5	50.0	44.8	57.4
52.0	53.5	48.0	44.7	57.0
56.7	57.0	50.5	45.6	71.2
51.5	53.0	47.0	43.9	55.8
52.4	54.0	48.0	44.3	57.1
52.9	54.5	49.0	45.0	58.6
54.2	56.5	49.5	45.7	62.6
53.6	55.5	49.5	45.6	60.1
56.9	60.0	49.0	45.1	70.8
53.4	53.5	48.5	44.3	66.3
54.3	56.0	51.0	47.4	62.8
54.3	55.5	51.5	47.6	58.5
53.3	54.5	50.5	47.3	57.8
53.3	56.0	48.5	44.5	60.2
51.8	53.0	47.5	44.1	57.3
51.4	53.0	47.0	43.7	53.9
59.3	59.5	49.5	44.7	74.0
53.1	54.5	49.5	45.1	58.1
51.4	53.0	47.0	43.6	54.5
52.8	55.5	47.5	43.4	61.8
56.4	57.5	49.0	44.1	71.6
51.8	53.0	48.0	44.0	56.6
52.5	54.0	49.0	45.4	60.9
54.8	57.5	50.5	46.7	60.2
53.8	56.5	49.0	44.9	60.8
56.3	55.5	49.0	44.1	71.0
53.9	56.0	49.0	43.9	65.1
52.2	54.0	48.0	43.8	57.3
53.3	55.5	48.5	44.0	60.3
55.2	57.5	51.0	46.3	62.4
51.9	53.5	47.5	43.9	57.5
52.8	54.5	49.0	44.7	64.6
56.4	56.5	48.5	44.2	72.6
51.8	53.0	48.0	44.1	54.9
53.1	55.5	48.5	44.4	60.2
54.7	55.5	50.0	45.1	73.6
52.3	54.0	48.5	44.7	56.5
55.1	55.0	47.5	44.3	71.4
52.2	53.5	48.0	44.9	61.0
52.4	54.0	49.0	45.1	56.8
53.4	55.0	49.5	45.7	61.1
53.9	56.0	50.0	46.2	66.3
52.4	53.5	48.5	44.9	60.7
52.5	54.0	48.5	45.0	57.5
55.8	57.0	50.0	46.6	69.0
52.2	53.5	48.5	45.6	67.7
53.9	55.5	51.0	46.4	59.3
53.0	54.5	49.5	46.3	61.6
52.5	53.5	49.0	45.5	62.9
54.3	56.5	50.0	46.4	64.1
54.3	56.0	51.5	47.8	58.5
53.1	54.5	50.0	47.2	57.3
53.1	54.5	50.5	46.7	56.6
55.7	58.0	51.5	47.3	65.1
52.8	54.0	49.5	46.3	57.2
53.5	55.5	49.0	45.7	62.8
52.7	54.0	49.0	45.7	66.1
53.4	55.5	49.0	45.0	64.1
54.1	57.0	50.0	45.7	63.9
53.7	55.0	51.0	46.8	58.4
54.0	56.0	50.5	46.1	59.9
53.0	54.5	49.5	45.3	59.7
53.0	54.5	49.5	46.3	60.4
52.5	53.5	49.0	46.5	57.3
53.2	55.5	49.0	45.5	59.1
54.8	56.5	52.0	49.0	60.3

53.0	54.0	50.0	46.9	56.8
54.1	56.0	50.0	47.1	66.4
57.2	59.0	54.5	50.4	64.2
53.0	54.5	49.5	46.1	59.0
54.2	56.5	50.5	47.0	61.8
54.7	56.5	52.0	48.1	60.6
53.7	55.0	51.0	47.9	59.9
57.0	60.0	52.0	48.0	67.5
53.0	54.5	49.5	46.6	58.5
52.6	54.0	49.5	46.5	55.4
52.9	54.5	49.5	44.9	57.1
52.9	54.5	49.5	46.4	57.4
51.8	53.0	48.0	45.3	55.7
52.0	53.0	48.5	45.7	55.4
52.1	53.5	48.0	45.0	58.4
53.1	55.0	48.5	45.2	61.1
52.8	55.5	47.0	44.1	60.0
51.6	53.0	47.0	43.9	58.4
51.2	52.5	46.5	43.9	53.7
51.4	53.0	47.0	43.9	54.5
51.5	53.0	47.5	44.6	54.7
51.1	52.5	46.0	43.6	53.6
51.1	52.5	46.5	43.5	53.6
51.7	53.5	46.5	43.5	56.8
51.0	52.5	46.0	43.5	53.4
50.9	52.5	45.5	43.3	53.5
50.9	52.5	45.5	43.4	53.1
50.9	52.5	45.5	43.5	53.5
51.1	52.5	46.5	42.6	53.6
51.9	53.5	47.5	44.5	56.5
51.3	52.5	46.5	44.0	57.9
50.9	52.5	46.0	43.6	53.2
51.7	53.0	47.5	43.9	58.2
53.1	56.5	46.5	43.8	63.4
52.0	53.5	48.0	44.2	60.2
51.8	53.0	47.5	44.8	57.0
51.5	53.0	47.5	45.0	54.1
55.7	58.5	51.0	47.2	62.2
52.1	53.5	48.5	45.7	55.9
53.8	56.0	50.0	46.2	61.1
52.8	54.0	49.5	47.2	57.1
52.5	54.0	49.0	46.4	56.1
52.1	53.0	48.5	46.5	56.4
52.1	53.5	48.5	46.4	57.3
52.4	54.0	49.0	46.2	57.6
52.3	53.5	49.0	46.1	57.2
51.9	53.0	48.0	45.9	54.5
53.2	55.0	49.5	46.0	59.5
51.9	53.0	48.0	45.7	55.4
52.9	54.5	49.0	45.6	59.6
52.0	53.0	48.5	46.2	56.5
52.9	54.5	49.5	46.4	59.5
52.2	53.5	49.0	46.5	55.7
51.7	53.0	47.5	45.1	54.5
51.3	52.5	47.0	44.2	53.9
51.5	53.0	47.5	44.5	54.5
52.5	53.5	49.5	46.4	55.9
51.8	53.0	48.0	45.1	54.6
51.4	52.5	47.0	44.9	54.3
52.1	53.5	48.5	45.9	58.0
53.0	54.5	49.5	45.8	58.4
52.6	54.0	49.5	46.6	57.1
52.7	54.0	49.5	47.1	56.9
53.3	54.5	50.5	47.7	56.3
53.0	54.5	50.0	46.9	58.1
53.3	54.5	50.5	47.5	59.6
51.5	53.0	47.5	45.0	54.0
52.2	53.5	48.0	44.5	60.7
53.3	55.5	49.5	46.2	60.2
54.8	57.5	50.0	45.4	63.3
52.2	53.5	48.5	45.5	57.1
51.9	53.5	48.0	44.6	55.5
52.6	54.0	49.0	45.7	59.9
53.1	54.5	50.0	46.7	56.8
54.7	57.0	51.5	48.1	61.3

55.4	57.5	51.5	48.3	70.9
53.6	55.0	50.5	46.5	61.8
55.2	57.0	52.5	49.6	66.0
54.2	55.0	51.5	48.1	67.9
55.4	57.0	52.5	49.8	68.5
55.3	56.0	52.5	49.5	71.0
54.6	56.0	51.5	47.9	65.0
55.1	56.5	52.5	49.8	66.6
56.7	58.5	54.0	49.9	68.8
54.3	55.5	51.5	48.0	64.0
54.8	56.0	51.5	48.5	64.8
57.2	60.5	52.0	48.9	65.4
54.4	56.0	51.5	48.5	61.8
56.2	57.5	54.0	50.6	64.1
54.8	55.5	52.5	49.3	64.2
55.0	56.5	52.5	50.3	60.6
55.6	57.0	53.0	49.0	63.9
55.4	57.0	51.5	49.1	68.9
54.0	55.0	51.0	47.9	64.6
55.8	57.5	53.0	49.9	65.0
55.3	56.5	52.5	48.9	65.4
55.6	57.0	52.5	49.3	65.5
57.4	60.0	53.5	50.0	69.4
55.6	57.0	53.0	50.1	66.0
57.6	60.5	53.5	50.6	70.6
57.3	59.0	53.5	49.3	69.1
54.9	56.0	53.0	49.9	60.4
56.3	58.0	54.0	50.6	63.5
55.7	56.5	52.5	49.2	70.5
60.5	60.0	52.0	48.3	85.0
66.0	63.0	52.0	49.8	95.1
56.7	58.0	53.5	49.7	72.4
56.8	59.0	53.5	49.3	66.3
56.6	58.5	53.0	49.6	65.3
56.0	57.5	52.5	48.6	69.4
54.1	56.0	50.5	47.8	66.2
54.1	55.5	51.5	48.4	60.8
54.8	57.0	51.5	48.2	61.2
55.1	57.5	51.5	47.9	62.1
54.1	55.0	51.5	47.5	62.6
54.4	56.0	51.0	47.4	64.5
57.5	60.0	53.0	49.8	76.0
57.1	57.0	52.5	49.5	73.6
54.8	56.0	52.5	49.3	64.3
56.3	58.5	53.0	49.8	66.7
54.1	55.5	51.5	48.9	58.2
54.9	56.0	52.5	49.9	64.8
55.1	56.5	52.5	49.2	64.1
57.4	59.0	54.0	50.8	65.1
54.7	56.0	52.0	49.2	61.6
55.9	57.5	53.0	49.9	69.6
56.0	58.0	53.0	49.5	64.2
56.3	58.5	52.5	50.0	65.3
56.8	57.0	52.0	49.2	71.8
55.1	56.5	52.0	48.7	64.8
60.3	57.5	52.5	50.1	77.0
55.2	56.5	52.5	48.7	64.4
53.6	55.0	51.0	48.6	57.8
54.5	56.0	52.0	49.1	63.1
57.4	57.0	52.0	48.3	72.9
53.6	55.0	51.0	47.7	63.1
54.0	55.5	51.0	47.7	60.7
55.1	57.5	51.0	47.1	63.9
54.5	56.0	52.0	48.4	59.6
54.8	56.0	52.0	49.5	65.8
56.9	57.0	52.5	49.1	73.6
53.8	54.5	50.0	47.2	67.1
53.6	55.5	49.5	46.9	64.2
54.2	56.0	50.5	46.9	62.7
53.1	54.5	50.0	47.1	64.6
53.2	55.0	50.0	46.5	59.1
56.8	56.5	51.0	47.5	72.5
53.5	54.5	50.5	47.3	63.7
53.8	55.5	50.5	47.5	59.5
54.1	55.5	51.0	46.4	60.4

52.8	54.0	49.5	46.7	57.5
57.2	57.0	51.0	46.6	75.1
55.8	58.5	50.5	46.8	61.7
55.4	57.0	50.5	47.0	73.5
54.4	56.0	50.5	46.8	65.4
55.6	57.0	51.5	46.6	69.1
54.1	55.0	51.5	47.9	60.7
53.8	55.0	50.0	46.7	66.5
54.5	56.0	51.5	47.1	63.2
59.2	62.0	51.5	47.7	75.7
54.3	56.0	51.0	47.2	64.1
54.4	56.0	51.5	47.5	60.9
54.3	55.5	51.0	47.2	66.3
57.0	59.0	50.0	47.4	71.4
54.1	55.5	51.0	47.2	62.3
54.8	55.0	49.0	45.7	71.2
54.6	56.0	49.5	46.9	71.8
60.6	62.5	52.5	48.5	77.7
54.8	56.5	51.5	48.1	65.7
53.8	55.0	50.0	46.2	65.5
56.6	58.0	50.5	47.1	71.9
55.2	57.5	51.5	48.0	65.1
53.9	55.0	50.0	46.5	66.3
55.2	57.5	50.5	46.8	70.2
54.8	56.5	51.0	48.0	65.1
54.1	55.5	51.0	46.7	70.3
53.7	54.5	50.0	46.3	65.7
53.5	55.0	50.5	47.6	58.4
54.1	55.0	50.5	46.5	65.1
58.7	58.5	51.5	46.6	73.4
54.7	56.0	51.0	47.2	65.3
53.1	54.5	50.0	46.8	69.4
57.3	58.5	51.5	48.4	71.8
53.5	55.0	50.5	47.5	59.5
54.2	55.5	51.5	48.4	62.5
54.7	56.0	52.0	48.3	60.4
59.3	59.0	51.5	47.8	75.1
54.1	55.5	51.0	47.3	62.0
52.9	54.0	49.5	46.4	60.4
56.3	56.0	50.0	46.7	72.7
53.9	55.5	50.0	46.7	63.9
59.5	60.0	51.0	45.9	74.3
53.6	55.5	49.5	46.4	65.3
53.4	55.0	49.0	45.3	63.6
56.4	57.5	51.0	47.0	69.8
53.5	55.0	50.0	46.9	63.3
54.2	56.0	50.5	47.6	66.2
54.1	55.5	51.0	47.7	67.5
54.7	56.5	51.5	47.7	65.9
54.2	56.0	50.5	47.0	67.0
54.8	56.5	51.5	47.5	64.8
54.3	55.5	50.5	47.9	68.2
61.2	65.5	52.0	47.6	73.2
54.7	56.0	50.5	46.3	67.0
54.6	57.0	50.5	46.2	62.1
52.8	54.0	49.5	46.7	58.2
55.4	55.0	48.0	44.3	70.3
53.2	55.0	49.5	45.8	58.8
52.3	53.5	48.5	44.4	56.9
52.5	54.0	48.5	44.5	56.4
59.4	59.5	51.0	46.2	75.6
52.7	54.5	48.5	44.4	57.0
53.3	55.5	49.5	44.6	60.0
55.2	54.5	47.5	44.2	72.6
52.8	53.0	47.5	43.7	65.8
54.0	56.5	50.0	45.1	62.5
52.4	54.0	48.5	44.6	56.3
51.6	53.0	47.0	43.5	55.0
56.1	55.5	48.5	44.3	73.6
51.6	53.0	47.0	44.2	55.8
51.4	52.5	47.0	44.0	55.2
52.6	54.0	49.0	45.9	57.1
53.1	55.0	49.0	44.7	59.4
51.7	53.0	47.5	43.8	55.8
55.5	55.5	49.0	45.0	71.4

	51.9	53.5	48.0	44.5	60.4
	52.7	55.0	47.5	44.2	60.4
	54.9	57.5	50.0	45.7	66.2
	51.9	53.0	48.0	44.7	58.0
	52.5	54.0	48.0	44.1	65.0
	53.6	56.5	49.0	44.5	62.3
	51.1	52.5	46.0	43.7	55.5
	58.7	58.0	47.5	44.3	75.5
	54.1	56.0	51.0	46.0	60.9
	52.6	54.0	48.5	44.6	58.6
	54.8	57.5	50.0	45.3	62.7
	55.8	56.5	47.5	44.1	72.4
	51.7	53.0	47.0	44.2	63.9
	51.2	52.5	46.5	44.0	56.5
	54.8	57.0	50.5	44.8	73.0
	51.8	53.0	48.0	44.1	55.8
	52.7	55.0	47.5	44.3	59.8
	52.5	54.0	48.5	45.4	61.2
	55.7	56.5	50.0	45.6	72.5
	52.6	54.0	48.0	45.3	59.3
	55.1	56.5	51.5	48.3	72.2
	53.5	55.0	50.0	46.0	65.4
0	55.5	56.5	49.5	46.0	73.2
	56.9	57.5	51.0	46.1	72.2
	52.3	53.5	48.5	46.0	56.8
	53.7	55.0	49.5	46.4	66.3
	56.1	58.5	52.0	47.1	64.8
	53.5	55.0	50.5	47.6	62.5
	52.6	54.0	49.0	46.6	59.9
	56.6	58.5	51.5	46.7	71.0
	53.7	55.0	50.5	46.3	64.2
	54.5	56.5	51.0	47.4	63.2
	55.5	57.5	51.5	47.6	68.0
0	58.6	61.5	53.0	47.9	75.3
	59.7	62.5	54.0	50.6	74.0
	58.6	60.5	53.5	49.4	72.7
0	59.7	63.0	53.5	49.8	72.3
	55.7	57.0	52.0	48.5	69.7
	58.4	60.5	52.5	48.7	74.0
	55.3	57.0	51.5	47.4	67.5
	56.0	57.5	51.5	47.3	71.7
	57.1	59.5	52.0	48.9	74.2
	54.8	56.5	51.5	47.3	65.4
	54.9	56.5	51.0	47.7	65.5
	55.2	56.5	52.5	49.0	63.6
	55.6	57.5	52.0	48.6	65.9
	57.3	59.5	53.5	50.1	69.2
0	56.6	59.0	53.5	51.3	68.8
	55.9	57.0	54.0	50.3	61.9
	55.4	56.5	53.5	50.4	60.6
	56.3	57.5	54.5	52.2	61.9
	56.9	58.5	54.5	50.9	63.5
	58.6	60.0	56.0	53.8	68.6
	60.3	62.5	56.5	53.6	70.7
0	62.4	65.5	57.0	54.8	73.7
0	61.9	64.0	57.5	52.2	75.7
0	62.0	64.0	57.5	54.4	75.9
0	62.3	65.0	56.5	53.7	75.4
0	59.0	61.0	54.5	50.7	73.2
0	61.0	63.0	54.5	50.5	78.0
0	61.4	63.5	55.0	51.5	79.5
0	61.1	63.0	57.0	54.1	76.8
	59.0	60.5	56.0	52.6	70.1
	57.9	59.5	55.5	53.4	69.5
0	60.0	62.0	55.5	51.6	74.0
	59.9	62.5	55.5	52.7	72.1
	60.5	63.0	56.0	53.0	71.5
	59.3	62.0	56.0	53.0	71.4
	56.9	58.0	55.0	52.9	65.6
	59.7	61.5	56.5	54.3	71.1
0	60.2	63.0	55.0	52.0	75.9
	58.1	60.5	54.5	51.3	68.8
	56.8	58.5	53.5	50.4	67.3
	56.8	58.5	53.5	50.6	67.9
0	61.2	60.5	54.0	50.3	81.3

	57.2	58.5	54.5	51.6	68.4
	56.5	58.0	54.0	51.3	67.9
	56.6	58.0	53.5	50.4	68.2
0	57.7	58.5	54.0	51.2	74.1
	57.5	59.0	53.5	50.6	72.2
	56.3	58.0	53.5	51.1	65.0
	56.2	58.0	53.5	50.3	65.9
	55.8	57.0	53.5	50.7	63.7
	56.7	59.0	53.5	50.1	66.8
	56.7	58.5	54.0	51.8	65.8
	57.3	59.0	54.5	51.6	70.0
	55.9	57.5	53.5	51.3	62.7
	56.6	57.5	54.5	51.7	69.9
	56.8	58.5	54.0	51.7	65.6
	57.3	59.5	54.0	51.3	67.2
	57.9	60.0	54.5	52.2	66.8
0	59.4	61.0	56.0	53.6	70.0
	58.0	59.5	56.0	54.3	66.9
0	58.2	60.0	55.5	52.8	69.1
	56.7	58.0	54.5	51.6	66.3
	58.2	58.5	54.5	50.8	73.1
0	61.0	62.5	56.5	51.9	77.2
	59.5	61.5	56.0	52.7	74.0
	58.7	60.5	55.5	51.7	68.6
	58.1	59.5	55.5	52.9	67.3
	59.7	61.5	57.0	54.9	69.9
	58.7	60.5	55.5	52.7	70.7
	57.8	60.0	54.5	52.2	67.9
	57.1	58.5	55.0	52.8	63.5
	58.2	60.5	55.0	53.0	68.2
	57.9	59.5	55.0	51.9	70.1
0	59.7	62.0	56.5	53.5	72.0
	57.5	59.0	55.0	52.4	64.5
	57.7	59.0	55.5	53.0	71.4
	59.0	60.5	56.0	53.8	71.5
0	60.4	63.0	55.0	52.1	74.4
0	62.0	64.5	56.5	52.2	74.0
0	63.3	64.0	56.0	51.8	84.1
0	63.3	66.0	57.5	54.3	78.4
0	66.5	67.0	58.5	56.4	85.9
	62.4	65.0	58.0	55.6	73.1
0	63.2	66.0	58.5	55.7	74.6
0	61.8	64.0	57.5	54.9	76.2
0	64.5	66.5	58.5	55.5	81.7
0	64.4	67.5	57.5	55.2	77.9
0	64.3	66.5	57.0	52.8	80.4
	62.3	65.0	57.0	53.8	75.8
0	62.7	65.5	57.0	54.9	77.7
0	63.7	67.0	57.5	54.8	79.3
	60.7	62.5	57.0	55.1	75.0
0	62.5	65.0	58.0	55.5	74.8
0	63.4	65.5	58.0	55.4	77.2
0	62.3	65.0	57.0	53.8	75.5
0	62.3	64.0	57.5	54.7	77.1
0	61.1	63.0	57.0	54.5	72.9
	61.2	64.0	56.0	53.4	73.4
0	61.8	62.0	56.0	52.9	79.6
0	59.2	61.5	56.0	52.4	73.2
	60.6	62.5	57.0	54.7	73.1
0	61.8	65.0	56.0	53.2	75.2
0	60.3	62.0	56.0	51.9	73.8
0	60.6	62.5	55.5	52.6	77.2
0	62.3	65.5	56.5	52.4	78.4
	61.3	64.0	56.0	53.5	74.5
0	60.5	62.5	55.5	53.0	76.2
0	61.2	63.0	56.0	53.1	78.0
0	60.5	63.0	55.5	52.5	73.2
0	59.6	61.5	55.0	52.0	75.9
0	61.6	63.0	56.0	52.8	79.0
0	61.6	63.5	55.5	52.6	78.4
0	60.3	63.5	54.5	51.3	74.6
	59.2	61.5	55.0	51.9	71.3
	59.0	61.5	55.0	52.6	71.7
	59.5	61.5	55.5	53.5	72.5
	59.0	61.5	55.5	51.7	70.7

56.4	58.0	54.0	50.4	63.2
58.1	60.0	55.0	52.7	70.0
57.8	59.0	55.5	53.7	66.7
57.9	59.5	55.5	53.6	66.4
61.3	65.0	56.5	54.2	71.1
60.0	63.0	55.5	52.8	75.4
56.6	58.0	54.0	52.4	66.9
59.4	62.0	55.0	51.8	71.7
59.0	62.0	54.5	51.6	72.5
61.9	61.5	55.0	52.6	91.8
59.2	63.0	54.0	51.3	70.6
56.0	57.5	54.0	51.5	61.1
56.1	57.5	54.0	52.0	63.7
55.7	57.0	53.0	50.3	64.1
56.6	58.0	54.0	51.1	65.4
57.7	59.0	54.5	51.1	67.9
60.3	59.0	53.5	50.4	83.1
57.1	58.5	54.0	51.7	67.5
56.9	58.5	54.0	50.5	65.9
59.2	61.0	56.0	52.8	73.6
57.5	59.0	54.0	51.2	69.1
61.9	59.0	53.5	50.1	91.2
58.6	61.0	54.5	51.0	67.0
58.8	61.5	54.5	51.2	69.2
58.1	60.0	55.5	51.8	67.3
60.9	63.0	55.5	52.9	73.5
58.4	60.5	55.0	52.0	66.7
60.8	64.0	55.0	51.5	72.4
58.1	60.0	54.0	51.0	71.2
58.1	61.0	52.0	48.5	72.9
58.2	60.5	54.5	50.3	72.1
59.7	62.5	55.5	51.1	72.0
60.7	64.0	55.0	51.7	74.1
58.2	60.0	54.0	51.3	73.3
56.9	59.0	53.0	50.0	68.6
55.5	57.5	52.5	49.8	62.9
55.3	56.5	52.5	48.8	64.8
59.7	62.0	52.5	49.1	75.7
57.5	59.0	54.0	50.5	71.1
55.5	56.5	52.5	49.9	66.6
55.4	57.5	52.0	47.9	63.8
57.3	57.5	52.0	48.3	71.4
58.0	60.5	53.0	48.6	70.8
55.7	57.0	52.0	48.6	65.3
56.2	57.5	53.0	49.6	67.6
54.6	56.0	51.5	47.9	63.3
59.2	59.5	51.5	47.3	75.7
54.0	55.0	51.0	47.6	63.8
52.6	54.0	49.5	47.0	56.6
56.4	57.5	50.0	46.9	71.5
55.7	58.5	51.0	47.6	65.2
53.4	54.5	50.5	47.6	60.0
54.8	56.5	51.0	46.7	68.9
58.1	61.0	51.0	47.0	72.7
54.5	55.0	50.5	47.0	73.5
53.1	55.5	49.5	48.6	56.4

Br el & Kj◀r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME: 002.M24

SETTINGS:

Serial no: 2285721
Range: 32.0 - 112.0 dB
Peaks Over: 140 dB
2nd Exch. Rate: 4 dB
Period Time: Normal

Logged Every:	05:00
Detector 1 (RMS)	
Bandwidth:	Broad Band
Freq. Wgt.:	A
Detector 2 (Br.Band)	
Weighting:	Peak/C
Sound Incidence:	Frontal
Windscreen Correction:	Off

CALIBRATION:

Micr.:	2588103
Sensitivity:	-30.8 dB
Date:	2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date	2014 Jan 20
Start Time	12:46:13
Elapsed Time	95:44:12
Overload	0.0 %
Underrange	0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth:	Broad Band
Freq. Wgt.:	A
LFMax	100.6 dB
LSMax	92.7 dB
LIMax	103.8 dB
LFMin	40.7 dB
LSMin	49.1 dB
LIMin	51.0 dB
LAFTm5	61.8 dB
Leq	55.4 dB
LIeq	60.5 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.:	C
#Peaks	0
Lpkmax	110.0 dB

LOGGED RESULTS (1 of 1):

Marker	LAeq	LAF10	LAF90	LAFMin	LAFMax
OU1234	dB	dB	dB	dB	dB
	60.1	63.5	53.0	48.8	81.6
	59.0	59.0	51.5	46.6	73.1
	54.4	55.5	51.5	47.7	69.0
	54.2	55.5	50.5	46.7	69.5
	56.6	56.5	50.5	46.3	71.5
	55.8	58.0	51.0	46.5	69.8
	56.8	57.5	53.0	48.5	77.9
	57.0	58.5	53.5	48.2	71.6
	60.6	59.0	53.0	47.4	83.5
	58.1	60.5	53.5	48.7	72.0
	58.4	59.5	54.0	50.3	74.6
	58.4	58.5	54.0	49.7	79.6
	57.0	58.5	53.5	49.4	76.1
	58.7	61.0	55.0	50.3	67.3
	56.2	56.5	52.0	47.2	73.8
	55.4	56.5	52.0	48.2	71.1
	54.6	55.5	50.0	46.0	68.3
	58.7	61.0	51.5	47.6	72.8
	57.5	59.0	52.5	47.4	70.1
	56.7	58.0	51.5	47.2	69.6
	54.9	56.0	51.5	49.2	71.9
	57.2	58.5	53.5	48.5	70.0
	57.7	60.0	53.0	47.7	69.1

53.6	55.0	50.0	47.5	61.1
58.7	59.0	51.0	46.7	73.8
55.0	56.5	52.0	48.6	62.7
53.8	55.0	51.0	47.8	59.8
54.7	57.0	50.5	46.5	60.6
57.8	59.5	52.0	47.4	72.4
53.6	55.0	50.0	46.3	65.5
56.6	58.0	53.0	49.2	67.8
54.9	56.5	52.0	46.9	65.0
55.2	57.0	51.5	47.4	66.2
53.5	55.0	50.5	46.9	59.6
54.6	56.5	50.5	46.4	64.8
56.4	59.0	51.5	47.5	70.6
54.8	56.0	50.5	46.8	66.8
55.1	56.0	51.0	47.6	68.2
58.8	61.0	50.0	47.4	75.2
55.1	56.0	51.0	46.8	68.7
53.5	54.0	49.5	46.4	65.4
56.5	57.5	49.5	46.4	71.9
56.1	57.5	51.0	47.6	70.1
53.5	55.0	50.5	47.0	60.3
59.3	63.0	50.0	45.9	73.6
54.1	55.0	49.5	45.8	66.8
53.4	55.0	50.0	46.1	61.4
56.5	57.5	49.5	45.2	70.9
58.8	57.5	50.0	45.5	74.7
53.4	55.5	49.5	45.4	59.7
52.9	54.5	49.5	46.0	57.6
56.5	57.5	49.0	45.3	72.1
52.0	53.0	48.0	45.3	55.6
52.3	53.5	48.5	45.2	58.2
54.9	58.0	50.0	46.7	63.9
53.7	55.5	50.0	45.7	60.0
52.5	54.0	49.0	44.9	57.6
52.0	53.5	48.5	45.3	55.5
52.5	54.0	49.0	46.1	58.7
52.7	54.0	49.0	46.4	58.1
53.0	54.5	50.0	45.9	58.1
54.5	56.5	51.5	47.0	61.2
53.3	55.0	50.0	46.4	58.9
53.0	54.5	50.0	45.7	58.5
53.2	55.0	50.0	45.8	61.4
52.2	53.5	49.0	46.1	55.2
53.9	55.5	50.0	46.3	61.1
55.1	57.0	52.0	48.5	62.0
53.4	55.0	50.0	46.5	60.3
54.1	56.0	50.5	47.4	61.8
55.9	59.0	51.0	46.8	71.3
53.0	54.5	49.5	45.3	57.1
53.8	55.5	50.0	45.9	59.1
53.1	54.5	49.5	46.5	60.2
53.2	55.0	49.5	46.1	59.5
52.4	53.5	48.5	45.6	63.4
52.5	54.0	48.5	46.0	59.7
53.6	55.5	49.5	45.8	65.2
59.5	60.5	50.5	45.9	75.8
52.7	54.0	49.0	45.1	59.8
52.6	53.5	48.0	44.9	64.5
52.1	53.5	48.5	45.3	61.5
55.8	56.5	48.0	44.6	71.5
52.2	54.0	47.5	44.3	59.6
53.3	55.0	50.0	46.6	58.4
52.5	54.0	48.5	45.1	63.3
52.9	54.5	49.0	45.0	58.4
56.0	58.0	48.5	44.6	70.5
52.8	54.0	49.5	46.4	57.8
52.2	53.5	48.0	44.9	62.4
60.2	62.0	50.5	44.8	75.0
53.4	55.0	50.0	46.2	60.9
52.6	54.0	49.0	45.6	58.0
55.0	57.5	49.5	46.0	72.8
57.6	59.0	51.0	46.1	73.5
52.4	53.5	48.0	45.4	60.2
54.2	55.5	50.5	47.5	64.4
52.5	54.0	48.5	45.3	57.6

54.0	53.5	48.0	45.3	69.3
59.2	61.0	49.5	45.9	74.6
52.4	53.5	49.0	45.9	55.8
51.7	53.0	48.0	45.8	54.4
53.8	55.5	50.0	46.7	59.7
53.8	55.5	50.5	46.4	58.9
52.3	53.5	49.0	45.6	56.8
55.7	56.0	50.0	46.4	69.2
54.0	55.5	51.5	47.8	58.8
52.8	54.0	49.5	47.4	57.6
54.3	55.5	51.5	47.8	58.7
54.5	56.0	51.0	47.8	63.2
53.1	54.5	50.0	46.3	57.7
53.6	55.0	49.5	46.3	74.7
56.6	58.0	51.0	46.7	70.6
51.8	53.0	48.0	45.6	54.6
54.2	56.0	51.0	47.4	59.7
52.6	54.0	49.0	45.6	63.3
51.9	53.0	48.5	45.3	55.3
52.4	53.5	49.0	45.6	58.1
56.2	56.0	50.0	46.0	71.3
52.3	53.5	49.0	45.9	56.2
54.1	55.5	51.0	48.2	62.0
53.8	56.0	50.0	47.1	62.2
53.2	54.0	50.0	46.6	65.8
55.9	54.5	49.5	46.5	74.9
52.3	53.5	49.0	46.4	56.5
53.4	55.5	49.5	46.7	61.0
53.4	55.0	50.5	47.2	58.2
52.4	53.5	49.5	46.2	55.9
52.1	53.5	48.5	45.6	55.2
54.9	57.5	50.5	46.1	63.0
52.9	54.0	50.0	47.3	56.3
53.7	55.5	50.5	48.0	60.0
52.8	54.5	49.5	46.1	57.5
52.8	54.0	49.5	46.6	57.5
53.4	56.0	49.0	45.7	62.2
52.8	55.5	48.0	45.1	60.3
52.1	53.5	48.5	45.4	58.2
53.1	55.0	49.0	45.7	61.1
53.3	54.5	50.0	46.9	62.6
52.3	53.5	49.0	45.4	55.4
51.4	52.5	47.0	44.7	54.6
52.1	53.5	48.5	45.2	55.9
51.9	53.0	48.0	45.5	58.1
51.9	53.5	48.0	44.9	59.0
53.4	55.5	49.5	45.8	61.1
51.6	53.0	48.0	45.3	54.8
51.7	53.0	48.0	44.9	54.6
52.1	53.5	48.5	46.0	55.1
51.7	53.0	48.0	45.7	54.7
52.2	53.5	49.0	46.4	55.8
52.1	53.5	48.0	45.0	56.3
52.6	54.5	48.0	44.8	60.3
51.5	53.0	47.5	45.0	54.1
57.1	60.5	51.0	45.4	64.9
51.9	53.0	47.5	44.8	59.7
51.6	53.0	47.5	44.9	55.0
52.9	54.5	49.5	46.3	57.4
52.5	54.0	48.5	45.4	59.0
51.7	53.0	48.0	45.0	55.0
51.5	52.5	47.5	44.3	53.8
51.2	52.5	47.0	44.2	54.2
51.3	52.5	47.0	44.3	55.2
52.6	54.5	48.0	44.5	58.8
51.5	52.5	47.5	45.1	55.3
51.7	53.0	48.0	44.6	54.2
51.5	52.5	47.5	45.3	54.5
52.2	53.5	49.0	45.7	57.0
51.5	53.0	47.5	44.9	54.1
52.6	54.0	48.5	45.1	61.3
52.0	53.5	48.0	45.2	55.6
54.0	56.0	50.0	45.7	61.1
51.9	53.0	48.0	44.9	58.8
52.1	53.5	48.5	45.1	57.8

51.3	52.5	47.0	44.3	54.2
51.7	53.0	47.5	44.6	57.8
52.2	53.5	48.5	44.5	57.4
51.6	53.0	47.5	44.3	55.8
52.4	54.0	48.0	44.4	58.5
52.0	53.5	48.0	44.4	60.0
53.0	55.0	48.5	44.8	60.0
52.4	53.5	49.0	45.8	57.2
51.3	52.5	47.0	43.9	54.0
51.1	52.5	46.5	44.2	53.7
51.1	52.5	46.5	43.5	54.0
51.4	52.5	47.0	44.0	56.1
51.1	52.5	46.5	44.1	54.3
51.6	53.0	47.5	44.9	56.4
51.6	53.0	47.5	45.0	56.2
51.1	52.5	46.5	44.2	54.2
51.0	52.5	46.0	44.2	53.8
51.1	52.5	46.5	43.8	54.7
52.0	53.5	48.0	43.9	56.5
52.9	55.5	48.0	44.3	62.6
51.2	52.5	46.5	43.8	65.1
50.9	52.5	46.0	43.6	53.0
52.5	55.0	47.5	44.3	59.3
51.2	52.5	47.0	44.5	53.7
50.8	52.0	45.5	43.4	52.9
51.0	52.5	46.5	43.3	53.4
51.6	53.0	46.5	43.3	58.6
52.6	54.5	48.5	44.2	57.3
50.9	52.5	46.0	43.5	53.2
50.7	52.0	45.5	43.3	52.9
50.8	52.0	45.5	43.2	54.3
51.6	53.5	46.0	42.9	58.3
51.0	52.5	46.0	43.7	54.4
51.0	52.5	46.0	42.7	53.6
51.0	52.5	46.0	44.0	53.2
51.4	53.0	47.0	43.6	55.8
50.9	52.5	46.0	43.7	53.4
52.0	53.5	47.5	44.4	58.0
51.1	52.5	46.5	43.8	54.8
51.4	52.5	47.0	44.4	54.9
52.6	52.5	47.0	44.5	73.0
55.0	52.5	46.5	44.1	73.6
52.8	53.5	47.5	43.9	69.6
59.7	63.5	48.0	44.4	78.9
51.7	53.0	47.5	44.5	55.9
52.3	53.0	47.0	44.2	68.9
55.3	53.0	47.0	43.8	74.8
52.2	53.5	48.5	44.7	56.3
54.9	58.5	50.0	46.1	63.7
54.2	56.5	50.5	46.3	61.7
52.5	53.5	49.0	46.4	64.6
52.9	54.0	50.0	47.4	62.0
55.4	56.5	52.0	47.9	69.8
53.4	54.5	50.5	47.9	63.5
55.2	57.0	51.5	47.1	70.5
55.5	57.5	51.5	46.8	66.0
54.6	56.5	51.0	46.6	66.3
55.2	56.0	50.5	46.5	68.2
56.9	59.5	52.0	46.5	68.3
55.6	59.0	49.0	45.2	68.3
54.0	56.0	49.0	45.5	66.1
54.8	56.5	51.5	47.2	69.9
55.8	57.5	52.0	47.6	68.4
54.5	56.0	51.0	47.0	64.4
53.8	55.0	50.0	45.9	65.9
52.4	54.0	48.5	45.4	58.8
59.5	64.5	50.0	45.1	69.1
56.3	57.5	51.5	46.8	70.5
55.6	57.0	52.5	48.6	65.9
55.3	57.5	51.5	46.8	66.8
55.5	57.5	51.0	46.7	65.0
55.0	57.0	51.0	46.7	65.7
53.8	56.0	50.0	44.8	61.6
59.8	61.0	50.5	46.5	77.9
57.6	61.5	51.5	47.0	68.8

58.8	61.5	53.0	47.1	72.4
59.5	63.5	51.5	46.1	71.7
58.4	62.5	50.5	46.6	72.8
56.6	58.0	50.0	46.2	76.1
64.5	56.5	49.5	45.0	87.9
53.4	55.0	50.5	45.9	62.3
55.5	57.5	51.0	46.7	66.8
56.6	59.5	50.5	45.5	66.8
53.7	55.5	49.0	45.0	65.4
57.0	59.0	50.0	44.8	75.6
60.9	62.5	53.0	46.7	76.3
56.4	60.5	49.5	45.3	66.0
54.9	57.0	50.5	46.6	64.3
57.3	59.5	50.5	46.3	72.9
55.0	56.5	49.5	45.1	66.2
56.2	58.0	51.0	46.4	69.7
58.3	61.0	53.5	48.5	71.3
60.7	63.5	55.0	50.7	74.8
59.7	62.5	54.5	50.6	76.5
60.9	64.0	54.0	49.6	75.2
58.3	61.0	53.5	49.7	71.9
61.1	62.0	52.0	47.8	77.3
61.1	63.5	55.0	50.2	76.9
55.0	56.0	50.5	47.2	73.6
56.7	60.0	52.0	46.8	67.3
54.1	56.0	50.0	46.6	64.2
56.4	58.5	50.5	47.0	69.8
55.4	58.0	50.0	46.1	70.0
55.0	57.0	51.0	46.2	67.6
59.5	60.0	51.5	45.6	74.9
53.5	55.5	50.0	46.1	59.6
54.1	54.5	48.5	44.0	69.1
57.2	60.5	50.0	45.6	71.7
55.6	58.5	50.5	46.8	65.1
54.2	56.0	51.0	45.6	63.1
54.3	56.5	51.0	46.4	62.4
54.7	57.0	50.5	45.9	73.3
53.3	54.0	49.5	46.3	73.1
56.5	56.5	49.5	45.3	73.1
52.5	53.5	48.5	44.3	68.7
58.8	58.5	50.0	44.8	74.5
54.5	56.0	50.0	45.5	67.8
53.7	54.0	49.0	45.4	69.1
56.7	57.0	51.0	44.9	69.3
58.9	62.0	53.0	48.7	72.7
64.2	68.5	55.5	51.7	75.8
54.4	56.5	51.0	48.5	63.6
54.3	56.0	51.5	47.8	62.8
54.8	55.5	51.5	47.2	64.1
56.9	56.5	52.0	48.9	76.0
53.5	54.5	51.0	48.1	59.4
53.6	54.5	50.0	46.6	66.6
54.8	57.0	51.0	47.2	69.9
54.1	55.5	51.5	49.0	59.7
56.3	59.5	51.5	47.7	61.7
54.3	56.0	51.0	47.3	62.9
53.7	55.0	51.0	48.0	59.5
59.5	60.5	52.0	48.1	73.3
56.2	58.0	52.5	48.5	69.2
54.1	55.5	51.5	48.0	59.2
56.6	57.5	52.5	49.7	77.6
55.5	56.5	52.0	48.7	66.3
53.6	55.0	51.0	47.3	59.4
59.7	63.0	51.5	48.8	73.1
56.9	60.0	52.0	48.5	66.4
55.9	58.5	52.0	48.9	64.9
55.3	57.0	52.0	48.2	66.1
56.3	56.5	50.5	47.0	71.3
58.1	60.0	51.5	48.1	74.6
63.1	66.5	55.0	50.5	77.0
56.7	59.0	52.5	49.6	68.0
57.2	59.5	53.5	48.8	68.2
64.6	68.5	52.0	48.4	79.6
54.8	56.5	51.0	47.5	66.7
54.3	55.5	52.0	48.5	61.5

56.2	58.0	50.5	47.8	71.0
59.6	61.0	52.5	46.9	78.3
53.6	55.0	50.5	46.2	62.3
52.8	54.5	49.5	45.0	58.6
53.3	55.5	49.0	45.7	60.6
55.7	54.5	49.0	46.0	71.4
53.5	55.5	49.5	45.8	60.5
52.8	54.5	49.0	45.3	57.0
54.4	56.5	51.0	46.6	60.7
54.2	55.0	50.5	46.7	72.0
54.7	57.0	51.0	45.6	60.8
52.7	54.0	49.5	45.4	56.8
52.7	54.0	48.5	44.7	61.9
55.1	57.5	51.5	47.2	61.8
53.8	55.5	50.0	45.5	63.3
53.7	55.5	50.5	45.8	61.9
53.4	55.5	49.5	45.2	61.2
53.4	56.0	49.0	45.3	62.2
53.6	55.0	49.5	45.3	61.8
55.4	58.0	51.5	45.4	61.2
53.2	55.0	49.0	45.4	62.5
51.8	53.0	48.0	44.5	56.3
52.0	54.0	47.5	44.1	56.8
53.0	54.5	49.0	44.1	59.0
51.8	53.0	48.0	44.7	56.5
53.5	55.0	50.5	46.8	58.3
59.2	58.0	51.5	47.6	77.3
52.0	53.5	48.0	44.1	58.2
51.9	53.5	47.5	44.3	58.1
55.8	56.0	49.5	46.2	69.8
52.6	54.0	49.0	44.4	57.8
52.6	54.5	48.5	44.3	57.7
54.0	57.0	49.5	45.1	60.6
52.3	53.5	49.0	44.8	56.3
53.4	56.0	48.5	44.9	61.7
51.6	53.0	47.5	44.6	54.8
58.1	59.5	48.0	44.7	73.2
54.5	57.0	50.5	45.9	61.4
53.5	55.0	50.5	46.3	57.3
51.7	53.0	48.0	45.2	54.7
55.7	55.0	48.0	44.8	70.6
52.7	54.0	49.5	46.1	57.5
52.3	53.5	49.0	45.8	58.0
53.0	54.5	49.5	45.8	58.5
52.6	54.0	49.0	45.6	56.7
53.5	56.0	49.5	45.7	61.9
56.4	56.5	49.5	45.5	71.7
53.7	55.5	50.5	46.6	61.2
52.3	53.5	48.5	45.2	61.8
53.9	56.0	50.5	46.3	59.4
53.0	54.5	50.0	47.2	58.1
52.0	53.5	48.5	45.4	55.7
52.6	55.0	47.5	44.5	59.9
55.4	55.0	49.5	46.0	69.4
52.7	54.0	49.0	46.1	66.8
59.0	58.5	51.0	46.3	76.2
53.5	55.5	49.5	45.2	59.7
53.5	56.0	49.0	45.3	63.0
52.1	53.5	48.5	44.8	60.3
55.5	57.0	49.0	45.4	70.5
53.3	55.5	48.0	44.7	64.0
52.9	54.5	49.5	45.0	59.5
52.1	53.5	48.0	44.3	57.7
51.6	53.0	47.5	44.4	54.8
55.8	57.0	48.0	44.8	72.5
53.4	54.0	49.0	45.3	75.6
55.2	56.0	49.0	45.5	77.3
53.5	54.5	49.5	45.6	68.4
54.1	56.5	50.0	46.6	60.0
52.3	53.5	49.0	45.4	55.8
55.3	56.0	49.5	45.4	71.3
53.3	54.5	50.0	46.6	58.2
52.8	54.5	49.0	46.4	58.3
56.2	58.5	51.5	46.7	63.2
52.7	54.0	49.0	45.4	58.3

52.2	53.5	48.5	45.3	56.2
54.9	56.0	49.0	45.3	68.9
52.2	53.5	48.5	45.4	57.0
52.6	54.5	48.5	45.2	59.2
53.9	56.0	50.0	45.9	60.5
53.4	55.5	49.5	45.8	59.8
52.6	54.0	49.5	46.8	56.2
55.7	56.0	50.5	47.3	72.2
53.1	54.5	50.0	47.1	65.0
53.8	55.5	50.5	47.2	61.0
53.7	55.0	51.0	47.3	57.8
53.1	54.5	50.0	46.9	57.9
55.5	55.5	50.0	46.7	70.8
52.5	54.0	49.0	45.7	57.0
52.4	53.5	49.0	46.5	56.6
53.5	55.5	49.5	46.5	61.6
53.3	55.0	50.5	47.1	58.5
52.4	53.5	49.0	45.9	66.5
53.5	56.0	49.5	46.5	63.6
52.4	53.5	49.5	46.3	56.8
52.8	54.0	50.0	46.5	59.2
52.6	54.0	49.5	46.1	58.2
54.5	56.5	51.0	47.7	64.6
52.7	54.0	49.5	46.5	56.9
52.3	53.5	49.0	45.9	57.1
54.0	56.0	50.5	46.2	61.7
58.0	61.0	53.0	48.5	64.9
54.1	55.5	51.0	47.9	60.8
53.4	55.0	50.0	46.1	59.4
52.6	54.0	49.5	46.4	57.0
52.3	53.5	49.0	46.4	59.1
53.1	55.0	50.0	46.7	58.4
52.3	53.5	48.5	45.5	58.4
52.9	55.0	48.0	45.2	61.5
52.7	54.0	49.5	45.5	57.3
53.2	55.5	48.5	45.6	61.5
51.6	53.0	48.0	44.8	54.5
51.9	53.0	48.0	44.6	55.8
52.1	53.5	48.0	45.3	57.9
52.9	55.5	48.0	44.6	60.4
53.0	54.5	49.5	46.6	58.3
51.8	53.0	48.0	45.6	54.4
51.6	53.0	47.5	45.5	54.0
51.5	52.5	47.5	45.3	54.7
52.2	53.5	49.0	46.2	55.1
52.2	53.5	49.0	46.7	56.2
53.9	55.5	51.0	47.3	60.4
52.4	53.5	49.0	45.5	56.7
52.2	53.5	48.5	44.9	56.0
51.2	52.5	47.0	44.5	53.6
51.3	52.5	47.0	44.3	54.9
51.0	52.5	46.5	44.0	53.9
52.7	55.0	47.0	44.4	61.3
51.1	52.5	46.5	44.0	53.9
51.1	52.5	46.5	44.1	53.9
51.2	52.5	46.5	44.2	54.3
51.1	52.5	46.5	43.9	55.3
50.9	52.5	46.0	43.9	53.2
51.1	52.5	46.5	43.9	54.1
51.6	53.0	46.5	44.3	57.6
51.0	52.5	46.0	43.8	53.5
52.0	54.0	46.5	43.6	59.8
52.3	54.5	47.5	44.5	57.9
51.1	52.5	46.5	44.2	57.1
51.8	53.5	47.5	44.4	59.5
51.3	52.5	46.5	44.0	56.7
52.3	54.0	47.5	44.3	61.9
51.3	52.5	47.0	43.9	54.5
51.8	53.5	47.0	43.8	57.0
52.0	54.0	47.0	44.0	58.3
52.6	55.0	48.0	44.1	60.0
51.4	53.0	47.0	43.6	55.5
50.8	52.0	45.5	43.5	53.1
50.9	52.5	46.0	43.9	53.2
51.0	52.5	46.5	43.9	53.7

50.8	52.0	45.5	43.7	52.9
51.1	52.5	46.5	43.7	54.1
51.8	53.0	48.0	44.8	54.9
51.0	52.5	46.0	43.7	54.9
50.8	52.0	45.5	43.6	53.2
51.5	53.0	47.0	43.7	56.0
52.4	54.5	47.5	43.6	57.9
54.1	56.0	50.0	44.2	61.3
51.1	52.5	46.5	43.8	54.6
50.9	52.5	46.0	43.6	53.1
55.3	59.0	47.5	43.7	62.1
52.9	55.0	48.0	44.3	63.9
50.9	52.5	46.0	43.8	53.2
51.0	52.5	46.5	43.5	53.9
51.0	52.5	46.0	43.9	53.3
51.2	52.5	47.0	44.0	54.2
51.0	52.5	46.0	43.7	57.0
51.0	52.5	46.5	44.1	54.0
50.9	52.5	46.0	44.0	53.3
51.6	53.0	46.5	44.3	58.3
52.9	55.0	48.5	44.4	60.2
51.2	52.5	46.5	43.7	54.5
50.9	52.5	46.0	43.6	55.9
52.0	53.5	48.0	44.1	56.3
51.6	53.0	47.5	44.5	55.5
51.9	53.5	47.5	44.3	57.5
51.9	53.0	48.5	45.8	57.0
52.5	54.0	48.5	45.5	58.6
51.2	52.5	46.5	44.2	61.1
51.5	53.0	47.5	44.4	55.5
51.8	53.0	48.0	45.2	62.0
52.8	54.0	49.0	45.5	64.9
52.9	54.0	49.0	45.8	67.0
52.3	53.5	48.5	45.8	63.0
53.1	54.0	49.0	46.2	65.7
53.8	55.5	50.0	46.9	67.0
54.2	56.0	50.0	46.4	71.5
52.5	54.0	49.5	45.4	59.8
53.6	55.5	50.5	46.6	59.5
53.0	54.5	50.0	46.0	59.7
53.0	54.5	49.5	46.4	58.3
53.0	54.5	49.5	46.5	58.5
55.3	57.5	51.0	47.7	66.8
56.6	58.5	53.5	49.3	66.1
52.8	54.5	49.0	45.5	63.3
54.6	56.5	49.5	45.3	69.2
55.3	57.5	50.5	45.7	67.1
55.2	57.5	50.0	45.7	66.6
53.7	56.0	49.0	45.3	70.5
56.7	60.0	50.5	45.1	71.5
54.5	56.5	49.5	45.4	66.8
55.6	58.0	50.0	45.6	68.0
54.5	57.0	50.0	45.7	65.0
53.7	55.0	48.5	44.5	68.3
55.5	57.0	50.0	46.4	68.8
53.0	54.5	49.5	44.6	59.4
52.2	53.5	48.5	45.3	65.3
54.1	55.0	50.5	46.2	66.0
55.1	55.5	50.0	45.9	68.5
56.6	60.0	50.0	44.9	71.0
54.7	57.0	50.5	46.2	64.0
59.6	62.5	51.5	46.7	75.2
55.1	56.0	49.5	45.4	71.4
55.8	58.0	51.0	46.5	66.3
53.9	55.5	50.0	45.4	64.3
69.4	56.5	49.5	45.2	98.5
55.6	58.0	49.5	44.8	71.6
53.4	55.0	49.5	45.3	63.0
55.1	56.5	51.0	46.4	67.4
53.8	56.0	49.0	44.5	66.2
55.3	57.5	50.5	44.2	66.2
55.7	57.5	50.5	46.2	70.6
55.1	57.0	51.5	46.7	65.8
53.9	56.0	50.0	46.0	60.0
57.1	59.5	51.0	46.6	66.3

53.1	53.5	48.5	45.4	65.9
54.3	55.5	50.5	46.4	65.2
56.1	57.5	50.0	45.2	69.5
54.6	55.5	50.5	46.9	67.5
60.6	65.0	51.0	45.4	74.1
56.7	59.5	50.0	45.0	72.3
54.5	56.0	49.0	44.9	66.2
57.6	60.0	52.5	49.4	71.4
54.7	57.5	49.0	44.9	65.2
52.8	54.0	48.5	44.8	66.8
54.3	56.0	49.5	45.0	64.7
53.5	54.5	49.0	45.3	65.4
53.2	55.0	49.0	44.5	63.4
56.6	58.0	49.5	44.9	71.3
54.7	56.5	50.5	46.7	66.8
52.4	54.0	48.5	44.2	61.1
59.2	59.5	52.5	47.3	74.3
54.4	56.5	51.0	46.4	71.9
53.9	55.0	49.5	44.6	73.0
53.1	54.5	49.0	44.4	65.6
57.7	61.0	50.0	45.0	71.8
58.3	59.0	48.0	44.0	75.2
53.1	55.5	48.5	44.7	60.4
53.3	54.5	49.0	44.9	72.0
52.9	53.5	48.0	44.4	72.0
56.5	57.0	49.5	44.4	73.0
53.6	55.0	50.0	46.1	68.5
59.2	58.5	50.5	47.0	75.9
52.5	54.0	49.0	44.8	56.9
55.9	56.5	49.0	44.7	70.7
57.9	62.5	48.5	44.8	72.4
52.8	54.5	49.0	44.3	58.6
56.4	57.0	47.5	44.0	72.4
52.8	55.5	47.5	44.1	68.9
58.6	59.0	49.5	44.8	73.9
52.8	54.0	49.5	45.1	61.9
52.8	54.5	49.0	44.9	59.9
56.0	54.0	47.0	44.3	72.4
52.3	53.5	48.0	44.0	63.0
53.1	55.0	49.5	45.8	60.1
54.0	56.0	50.5	46.3	59.4
57.1	60.5	50.0	44.6	65.0
52.4	54.0	49.0	44.6	56.2
53.3	54.5	48.5	44.3	65.1
52.8	54.0	48.0	44.6	64.6
58.5	60.0	48.5	44.4	75.0
54.0	55.5	49.0	44.0	66.4
52.2	53.5	48.5	44.8	57.1
57.0	58.5	50.5	46.5	71.9
59.7	60.5	50.5	45.7	80.3
52.4	54.0	48.5	44.7	63.0
51.8	53.0	47.5	44.4	58.0
53.4	55.0	49.0	44.9	64.6
58.0	60.0	50.0	45.2	73.1
52.4	53.5	48.0	44.4	64.4
52.2	53.5	48.0	44.0	65.3
55.8	56.0	48.5	43.7	73.2
52.1	53.5	48.0	44.2	57.9
52.7	54.5	49.0	44.6	57.4
52.6	54.0	48.5	44.7	59.8
52.5	54.0	48.5	45.1	58.6
52.7	54.0	48.5	44.8	63.6
53.2	55.0	49.5	44.8	60.0
53.7	56.0	50.0	45.5	62.9
53.5	55.5	49.5	45.3	62.1
52.3	54.0	48.0	44.3	59.9
59.1	60.0	48.0	43.8	76.3
53.3	55.0	49.5	44.1	65.4
52.4	54.0	48.5	44.1	61.3
56.0	56.5	48.0	44.3	72.3
52.0	53.5	48.0	43.8	56.6
54.3	56.0	50.5	46.1	62.6
52.4	54.0	49.0	44.8	60.0
53.0	54.5	49.5	45.3	58.4
52.6	54.0	49.5	45.6	60.8

52.4	54.0	48.5	44.7	58.6
58.2	59.0	50.0	45.5	75.5
54.3	57.0	50.0	44.4	61.4
53.3	54.5	49.0	44.8	70.7
52.9	54.5	48.5	44.6	63.0
55.5	55.0	48.5	44.8	73.6
53.0	54.0	49.5	46.1	60.0
52.3	53.5	48.5	44.7	62.4
52.5	54.0	49.0	44.9	57.1
51.9	53.0	48.0	44.0	56.3
51.7	53.0	47.0	44.0	57.5
52.1	53.0	47.5	44.1	64.5
51.4	52.5	47.0	43.9	56.9
52.6	54.5	47.5	43.6	60.3
52.2	53.5	48.0	44.0	61.0
51.5	53.0	47.0	43.8	57.3
51.5	53.0	47.0	43.7	54.9
54.9	54.0	47.5	43.4	70.5
51.6	53.0	47.0	43.8	58.7
52.1	53.5	48.5	44.1	56.8
52.7	54.5	48.5	44.2	59.3
51.3	52.5	46.5	43.7	57.3
52.5	54.5	47.5	44.2	60.1
51.4	53.0	47.0	43.3	54.6
51.4	53.0	47.0	43.9	59.3
59.6	59.5	47.5	43.4	77.9
52.4	54.0	48.5	44.5	57.7
51.2	52.5	46.5	43.6	54.9
56.1	57.0	49.5	44.1	71.1
52.4	54.0	49.0	44.9	57.1
52.5	53.0	46.5	43.7	71.4
52.9	55.5	48.0	43.8	59.6
52.0	53.5	48.0	44.0	56.0
51.6	52.5	47.0	43.7	62.3
55.8	55.5	47.5	43.6	70.3
52.2	53.0	46.5	43.5	69.1
53.3	54.5	48.5	44.6	64.4
52.9	55.0	49.0	44.1	57.8
51.6	53.0	47.0	43.8	56.8
52.6	55.5	46.5	43.3	60.9
52.0	53.5	47.5	43.1	58.5
55.9	56.0	47.5	43.8	71.0
52.7	55.0	47.5	43.6	60.8
52.4	54.0	48.5	44.2	57.3
52.5	54.0	49.0	45.3	57.9
52.6	55.5	47.5	44.2	59.4
55.3	55.5	47.5	44.4	71.7
51.6	53.0	47.5	43.6	57.2
51.3	52.5	47.0	43.8	54.8
58.6	60.5	54.0	47.5	64.7
53.1	54.5	49.5	44.7	59.5
51.7	53.0	47.0	44.0	56.8
56.3	59.0	48.0	44.3	69.7
52.3	53.5	49.0	46.1	56.2
51.9	53.5	47.5	44.0	56.4
53.9	56.0	50.5	45.5	60.0
56.5	58.5	50.5	45.1	70.4
54.1	54.5	49.0	45.0	70.8
57.8	60.5	50.0	44.6	73.3
54.2	56.0	49.5	45.5	69.3
54.7	58.0	48.0	43.7	62.5
53.3	55.0	50.0	44.3	59.4
53.2	56.0	48.5	45.0	60.5
52.3	54.0	48.5	44.2	57.0
56.1	57.0	47.5	44.1	69.9
52.7	54.5	48.0	43.5	59.2
52.6	54.5	48.0	43.9	58.2
53.2	55.5	49.0	43.8	59.8
51.5	53.0	47.0	43.8	59.9
52.1	54.0	47.5	43.7	58.2
56.1	56.5	47.5	43.5	69.1
52.1	53.5	48.5	44.6	56.0
52.0	54.0	47.5	43.7	56.8
54.1	56.0	50.5	44.3	59.8
51.8	53.5	47.0	43.5	59.4

55.8	55.5	47.5	43.5	69.0
52.0	54.0	47.5	43.8	56.7
51.6	53.0	47.5	43.7	55.6
52.3	54.0	48.5	44.6	57.1
53.9	56.5	50.0	44.7	60.2
51.7	53.0	47.5	44.0	55.7
51.6	53.0	47.5	43.5	56.5
52.3	55.0	47.0	43.8	60.1
51.3	53.0	47.0	43.3	54.2
52.0	53.5	48.0	43.2	56.4
53.9	56.5	49.5	44.4	59.1
51.6	53.0	47.5	44.0	54.7
53.2	56.5	47.0	43.5	62.8
54.9	58.5	48.5	43.5	62.9
57.5	61.0	49.0	43.4	65.5
52.4	55.0	47.5	44.3	60.6
52.1	53.5	47.5	43.7	60.6
52.0	54.5	46.5	43.3	58.3
52.4	54.5	47.0	43.4	58.9
52.6	54.5	48.0	43.9	58.1
51.4	53.0	47.5	44.1	54.4
53.5	56.5	48.0	43.1	62.2
52.0	53.5	47.5	43.8	63.0
51.1	52.5	46.5	43.2	54.3
51.0	52.5	46.5	43.3	54.2
51.3	53.0	46.5	43.0	55.1
52.0	54.0	47.5	43.4	56.1
50.9	52.5	46.0	43.0	53.3
51.8	54.0	46.0	42.8	60.1
52.9	56.0	47.0	43.4	61.5
50.7	52.0	45.5	42.9	53.0
50.6	52.0	45.0	42.9	52.8
51.6	53.0	46.5	43.4	58.0
51.9	53.5	47.5	43.6	59.4
52.3	54.5	47.5	43.3	58.2
52.5	55.0	47.0	43.1	59.6
51.1	52.5	46.0	43.0	59.3
50.9	52.5	46.0	42.7	56.1
52.2	54.0	45.5	42.9	63.2
52.6	55.5	46.0	43.0	61.7
50.8	52.0	45.5	43.1	53.2
51.5	53.5	46.0	42.7	56.6
51.5	53.0	47.5	43.7	54.8
51.0	52.5	46.5	42.9	53.7
50.8	52.0	45.5	43.0	53.4
50.6	52.0	45.0	42.7	53.0
51.8	54.0	46.0	42.9	57.2
50.8	52.5	46.0	42.9	53.3
50.6	52.0	45.0	42.7	52.7
50.6	52.0	45.0	42.7	52.8
50.6	52.0	45.0	42.7	53.6
51.4	53.5	45.5	42.8	57.8
51.5	53.0	47.5	43.4	55.9
50.6	52.0	45.0	42.8	52.8
50.6	52.0	45.0	42.8	52.9
50.5	52.0	45.0	42.6	52.7
51.2	53.0	45.5	42.7	56.9
53.9	56.5	49.5	43.6	61.2
51.4	53.0	46.5	43.0	56.7
50.6	52.0	45.0	42.7	53.4
50.5	52.0	45.0	42.7	52.9
50.5	52.0	45.0	42.7	52.6
50.5	52.0	45.0	42.6	52.6
50.5	52.0	44.5	42.7	52.6
51.1	52.5	46.0	42.7	55.9
50.8	52.0	45.5	42.7	53.6
50.6	52.0	45.0	42.7	53.2
50.5	52.0	45.0	42.7	52.8
51.1	52.5	46.5	42.8	54.7
53.3	55.5	49.0	43.8	60.6
51.2	52.5	46.5	43.0	56.5
50.6	52.0	45.0	42.8	52.8
50.6	52.0	45.0	42.6	53.6
52.0	54.5	46.0	42.9	59.1
50.6	52.0	45.0	42.7	52.8

55.7	58.5	49.5	42.8	61.7
53.6	57.0	49.0	45.3	61.0
51.0	52.5	46.0	43.4	54.9
51.8	53.5	48.0	43.9	55.6
51.0	52.5	46.0	43.0	54.1
50.7	52.0	45.5	40.7	52.9
50.5	52.0	45.0	42.8	52.7
50.5	52.0	45.0	42.8	52.7
50.9	52.5	45.5	42.6	54.4
51.6	53.0	47.5	45.0	54.8
52.3	53.5	45.5	42.9	62.4
51.8	53.5	47.5	43.5	58.3
51.6	53.5	47.0	43.3	55.3
53.0	55.5	48.5	43.9	58.7
51.1	52.5	46.5	43.4	53.6
52.3	53.0	47.5	43.7	63.2
51.1	52.5	46.5	43.5	54.5
52.1	54.0	48.0	43.4	56.0
52.5	54.5	48.0	44.1	57.4
51.9	53.5	48.0	44.6	57.6
51.0	52.5	46.5	43.8	54.5
51.2	52.5	46.5	43.4	60.8
55.9	60.0	47.0	43.6	69.4
54.3	56.5	50.5	44.4	62.2
53.3	55.5	48.5	43.9	61.4
54.9	57.5	50.0	46.0	66.2
53.6	55.0	50.0	45.8	62.0
54.5	56.5	51.0	46.7	67.4
57.8	60.0	54.5	51.4	66.0
54.3	55.5	52.0	49.7	65.9
54.8	56.5	51.5	48.2	69.2
55.4	57.0	52.0	47.7	64.8
56.0	58.0	52.5	47.1	68.1
57.2	60.5	51.5	47.1	70.0
58.3	62.5	50.5	45.6	71.6
53.5	55.0	49.5	45.9	68.8
54.6	57.5	49.0	44.4	68.5
59.2	62.0	52.0	44.2	70.0
56.4	59.5	51.5	48.0	66.1
55.6	58.0	51.5	47.1	70.1
55.1	57.0	51.0	47.4	65.7
53.4	55.0	49.5	45.3	66.3
56.8	59.0	52.5	45.0	66.7
56.4	59.0	52.5	46.9	66.7
55.2	57.0	52.0	47.0	63.6
54.2	55.5	51.0	46.9	68.5
57.6	60.5	51.0	46.2	70.2
56.0	57.5	51.0	45.6	73.4
55.7	57.5	51.5	47.1	65.8
59.4	61.5	51.0	47.0	74.0
55.0	58.0	50.5	46.0	65.3
54.4	56.5	50.0	46.1	63.4
54.9	56.5	51.5	47.8	63.5
56.1	57.5	49.5	46.1	70.1
55.9	57.5	51.0	46.9	70.4
55.2	57.5	51.0	46.4	70.8
55.9	58.0	51.0	46.7	68.9
55.6	57.5	51.5	47.0	68.1
54.8	57.0	50.0	45.2	67.7
69.1	56.5	50.0	45.8	93.6
58.6	60.5	51.5	45.5	84.0
59.1	59.5	51.5	46.2	75.9
58.8	59.0	51.5	46.9	78.3
55.6	57.5	52.0	47.5	69.2
55.2	56.5	52.0	47.9	67.3
57.9	62.0	51.0	47.1	70.0
54.1	55.5	51.0	46.7	62.9
53.8	55.5	50.5	46.3	59.2
54.0	55.5	51.0	47.1	60.6
54.4	55.5	52.0	48.8	61.4
53.7	55.5	50.5	46.7	60.3
53.2	55.0	49.5	44.8	59.3
56.5	58.5	52.5	46.5	67.3
57.9	58.0	50.5	46.1	71.9
55.1	56.5	51.0	47.0	67.7

56.5	57.5	52.5	48.8	68.9
54.1	56.0	50.5	45.3	65.1
53.9	55.5	48.5	44.3	67.2
52.6	54.5	48.0	44.7	57.6
53.2	55.0	49.0	45.3	64.1
53.0	55.0	49.0	44.3	58.0
53.1	54.5	49.5	45.1	63.0
55.1	58.5	49.5	44.3	63.2
52.5	54.0	48.5	44.5	59.3
52.9	54.5	49.0	44.5	57.6
58.5	60.0	50.0	45.0	72.3
52.9	54.5	50.0	45.4	57.6
54.1	56.5	50.0	45.5	60.6
52.7	54.0	48.5	45.0	61.7
55.4	55.5	48.0	44.5	68.9
51.8	53.0	47.5	44.2	55.4
53.2	55.5	48.0	43.7	64.6
54.2	56.5	50.0	44.8	61.3
54.5	56.5	50.0	45.6	63.7
59.7	62.5	53.5	49.1	76.8
58.3	60.5	51.5	46.9	75.2
64.6	68.0	55.0	50.7	84.4
65.8	69.5	56.0	51.6	82.4
65.5	69.5	56.0	50.4	78.7
66.1	70.0	55.5	49.9	81.6
63.7	67.0	53.5	47.6	79.7
61.9	66.0	53.0	48.6	76.3
53.3	55.5	49.0	44.5	62.2
54.1	56.0	51.0	46.2	59.4
54.1	56.0	51.0	46.7	58.2
56.0	59.5	51.5	45.8	61.8
52.4	54.0	48.5	45.0	58.0
54.1	56.0	50.0	45.5	63.4
58.8	59.0	50.5	45.1	76.1
56.0	58.0	52.5	49.0	65.1
54.0	56.0	50.0	45.6	63.4
55.8	57.0	53.5	49.4	61.0
56.0	56.0	52.0	48.5	70.1
56.2	56.5	50.5	46.0	70.8
53.7	55.5	50.5	46.2	61.8
58.7	62.0	52.0	46.0	66.4
60.8	64.5	52.5	48.0	74.0
54.9	57.0	51.5	48.2	63.7
54.5	56.5	51.0	47.7	61.1
53.8	55.0	49.0	45.9	67.0
57.4	59.0	49.5	45.6	71.1
55.0	56.5	52.5	48.0	65.7
55.1	57.0	51.5	46.6	64.2
55.3	57.5	51.5	46.7	67.1
56.4	58.5	52.0	47.3	69.4
56.9	58.5	52.5	46.9	72.8
63.7	66.5	55.5	50.9	82.7
56.2	58.0	52.5	47.6	69.7
54.9	56.0	50.5	46.5	71.8
58.8	58.0	51.5	46.0	75.6
54.3	55.5	50.0	44.7	70.2
57.0	59.5	49.5	45.5	72.0
56.5	57.5	49.5	45.2	72.7
54.1	55.5	50.5	45.7	63.7
58.3	60.0	50.5	45.8	72.9
53.6	54.5	49.5	45.4	67.5
52.8	54.0	49.5	45.8	65.3
56.6	57.5	49.5	44.4	70.8
52.8	54.5	48.5	45.0	59.4
59.3	61.5	49.5	45.9	75.3
52.3	53.5	48.5	44.5	57.9
54.1	56.0	51.0	46.4	59.4
56.7	57.5	49.5	45.1	70.4
52.4	54.0	48.5	44.7	61.7
54.1	57.5	49.0	44.1	62.2
53.7	56.0	49.5	44.2	61.2
52.9	54.5	49.0	44.5	61.2
53.2	56.5	48.0	44.4	59.7
53.4	55.0	50.0	46.4	61.6
58.8	57.0	50.0	46.3	73.5

52.0	53.5	48.5	45.0	55.1
53.4	55.5	49.0	44.7	61.4
53.3	55.0	49.5	45.2	58.5
51.8	53.0	47.5	44.3	56.2
56.1	56.5	48.0	44.2	70.9
53.9	56.0	50.0	45.4	60.1
55.5	57.5	50.0	44.9	70.4
56.1	58.0	49.5	44.3	70.6
58.8	59.0	50.0	45.4	75.5
52.5	54.0	49.0	44.9	56.8
53.6	56.0	49.5	46.2	60.9
51.5	53.0	47.0	44.0	55.4
56.5	57.5	50.0	44.8	71.5
54.1	56.0	50.5	46.3	62.7
55.0	57.0	52.0	46.9	60.7
51.6	53.0	47.5	44.2	57.6
51.8	53.5	47.0	43.6	59.1
55.5	55.5	47.0	43.6	72.9
52.1	53.5	48.0	43.7	57.0
55.8	59.0	50.0	46.5	69.0
56.4	57.5	51.0	46.1	71.5
52.9	54.5	49.5	45.8	57.8
52.7	54.0	49.5	46.0	57.1
53.9	56.5	50.0	46.8	60.1
52.3	53.5	48.5	45.1	57.6
61.0	65.5	51.5	47.7	74.5
56.3	58.5	52.0	45.3	68.3
51.7	53.0	47.5	44.7	56.7
58.5	63.0	50.5	45.3	73.1
60.6	65.0	51.0	45.9	74.3
58.4	63.0	48.5	43.7	71.4
54.8	57.0	51.0	44.1	60.6
53.9	55.5	50.5	46.5	64.3
53.1	56.0	48.5	45.1	61.6
52.7	54.0	48.5	44.5	61.5
51.7	53.0	47.5	44.1	54.6
59.2	60.5	50.0	45.6	74.4
54.2	56.5	49.5	45.2	60.9
53.7	55.5	49.5	45.1	74.5
55.0	57.5	47.0	43.8	71.4
55.4	57.0	47.5	43.4	68.4
52.0	53.5	48.5	44.8	55.7
52.1	53.5	48.0	44.7	58.8
57.7	58.0	51.0	44.4	73.9
53.0	54.0	49.0	44.9	68.9
51.5	53.0	47.5	44.1	54.9
54.1	56.0	49.5	43.9	58.7
52.5	54.0	49.0	45.1	57.3
58.4	59.0	49.5	45.3	73.3
52.6	54.5	48.5	44.6	57.9
53.5	56.0	49.5	46.0	61.2
52.3	53.5	48.5	45.3	56.7
56.2	56.0	50.5	45.5	70.3
53.1	56.0	48.0	44.1	59.7
52.9	56.0	47.0	44.1	60.6
53.0	54.5	49.5	45.3	58.0
53.1	55.5	48.0	43.9	59.5
51.4	52.5	47.0	43.7	55.7
52.9	54.5	49.5	44.3	60.0
52.2	53.5	48.5	44.5	58.1
58.2	58.5	48.5	45.2	72.1
54.7	56.5	52.0	47.7	59.4
53.9	56.0	50.0	45.8	62.0
52.5	54.0	49.0	45.0	56.7
55.5	56.0	47.5	44.3	69.7
53.5	56.0	49.0	43.8	61.4
52.3	54.5	47.5	44.3	59.4
53.5	56.5	49.0	45.6	59.9
52.3	54.0	48.5	44.1	56.5
53.0	56.0	47.5	43.7	60.6
52.3	54.0	48.5	44.4	57.7
52.1	53.5	48.5	44.7	57.5
52.6	54.0	49.0	45.9	58.0
53.7	56.0	50.0	45.1	59.5
52.9	54.5	49.0	45.5	59.8

53.3	56.5	48.0	44.6	60.4
52.0	53.5	48.5	43.9	55.3
54.3	57.0	49.0	44.6	62.1
58.0	61.0	51.0	45.4	64.7
51.9	53.5	48.0	44.0	56.3
54.0	57.5	48.0	43.9	61.9
50.8	52.0	45.5	43.1	53.2
51.4	53.0	46.5	43.3	61.6
51.3	52.5	46.5	43.1	55.6
52.5	55.5	46.5	43.1	60.6
51.1	52.5	46.0	43.1	55.4
52.0	53.5	47.5	43.8	56.4
54.2	56.5	50.5	46.7	60.6
53.7	55.5	50.5	46.6	60.2
52.3	53.5	49.0	45.6	56.7
53.0	55.5	48.0	44.4	61.6
52.6	55.0	47.0	43.6	59.9
50.7	52.0	45.5	43.0	53.1
51.4	52.5	47.0	43.5	54.0
51.2	52.5	46.5	43.3	58.4
51.1	52.5	46.0	43.3	55.0
52.6	54.0	49.5	44.5	57.2
53.1	56.0	47.5	43.5	59.8
51.7	53.5	47.0	43.4	58.2
50.8	52.5	45.5	42.9	53.5
51.0	52.5	46.5	43.2	53.6
50.7	52.0	45.5	43.2	52.9
50.6	52.0	45.0	43.0	52.9
52.1	54.5	46.5	43.1	58.3
50.7	52.0	45.5	43.0	53.1
51.4	53.0	47.5	43.8	54.1
51.3	52.5	47.0	43.9	56.3
50.9	52.5	46.0	43.6	53.2
50.9	52.5	46.0	43.6	53.4
51.7	53.0	47.5	44.3	57.9
52.9	55.0	48.5	44.7	61.6
51.0	52.5	46.0	43.7	53.9
50.8	52.5	45.5	43.5	53.2
51.5	53.0	47.5	44.4	54.1
51.4	52.5	47.5	44.5	54.3
51.7	53.0	47.0	44.0	58.6
51.4	53.0	47.0	44.3	57.6
51.1	52.5	46.5	44.2	56.4
51.5	53.0	47.0	44.5	55.7
52.1	53.5	48.5	44.9	56.7
53.3	56.0	48.5	45.0	62.4
51.8	53.0	48.0	45.3	55.6
51.2	52.5	47.0	44.2	54.4
51.2	52.5	47.0	44.2	53.8
51.0	52.5	46.0	44.1	53.2
51.0	52.5	46.0	44.2	58.3
51.1	52.5	46.5	44.1	53.8
51.2	52.5	47.0	44.1	54.0
50.9	52.5	46.0	43.9	53.3
51.2	52.5	46.5	43.5	55.1
51.0	52.5	46.0	43.9	53.6
51.1	52.5	46.5	43.7	53.7
51.4	53.0	46.5	43.8	55.7
53.3	55.5	49.0	45.4	68.1
51.2	52.5	46.5	43.7	55.0
50.8	52.5	45.5	43.7	53.8
52.4	54.5	47.5	44.2	58.8
50.9	52.5	46.0	43.7	53.6
50.8	52.0	45.5	43.6	53.0
51.1	52.5	46.5	43.5	53.7
50.9	52.5	46.0	43.3	53.4
52.3	54.0	48.5	43.7	57.8
51.0	52.5	46.0	43.7	54.5
50.8	52.0	45.5	43.3	53.0
50.9	52.0	45.5	43.5	56.6
51.3	52.5	46.0	43.5	57.9
50.9	52.5	45.5	43.2	54.3
50.8	52.5	45.5	43.3	53.4
51.6	53.5	46.5	43.8	57.6
52.5	54.0	49.0	44.8	57.3

51.6	53.0	47.0	43.6	56.5
51.9	53.5	47.5	43.5	56.7
51.2	52.5	46.5	41.4	55.1
54.5	53.5	49.0	44.7	72.4
52.0	53.5	48.5	45.1	55.1
57.8	59.5	49.0	44.6	74.3
52.0	53.5	48.5	44.8	56.3
52.4	54.0	48.0	44.3	60.3
53.6	53.5	48.0	44.5	71.1
51.4	53.0	46.5	43.5	63.1
56.3	59.5	50.0	44.4	62.9
53.6	56.0	49.0	43.8	61.0
54.0	56.0	50.5	44.3	63.1
52.2	54.0	48.0	43.7	59.9
54.4	57.0	49.0	44.0	62.1
55.5	58.0	52.0	48.4	65.1
56.4	58.5	52.5	48.6	68.6
54.2	55.5	51.0	46.8	70.2
55.4	56.5	51.0	47.7	69.1
55.3	56.5	52.5	49.5	67.2
55.4	57.5	51.5	47.8	67.8
54.0	56.0	49.5	45.7	67.8
58.5	62.0	51.0	45.9	72.3
55.9	57.5	52.0	47.2	67.2
55.0	57.5	50.5	45.4	62.7
53.7	55.0	49.5	45.0	67.5
55.8	57.5	52.5	48.3	65.2
55.5	58.0	51.5	47.5	66.0
53.8	55.5	50.0	44.8	63.0
53.5	55.0	49.0	44.3	65.5
56.6	60.0	50.5	46.7	67.7
54.2	56.5	50.5	46.1	62.5
54.1	56.0	51.0	46.1	64.2
56.4	60.0	50.0	45.9	69.5
55.6	57.0	51.5	46.4	66.4
56.7	60.5	51.5	48.0	66.6
54.6	56.0	51.5	48.1	64.8
60.3	64.0	53.5	48.6	72.5
57.5	60.0	52.5	48.2	75.1
59.2	62.0	54.5	50.7	68.6
62.7	65.0	56.5	53.9	79.4
61.5	64.0	56.5	51.7	73.6
62.4	65.0	56.0	53.1	79.6
57.4	59.0	54.5	52.4	69.6
57.2	58.5	54.5	52.4	68.8
72.6	65.0	53.5	49.6	100.6
59.7	63.0	53.0	49.0	77.8
57.5	60.0	52.5	49.3	71.3
58.1	61.0	54.0	51.2	68.8
61.7	65.0	55.5	51.3	74.5
58.9	62.0	54.5	51.9	71.4
59.7	62.5	55.0	51.0	71.4
58.3	60.5	54.5	51.6	68.6
59.1	61.5	55.5	53.1	72.8
58.5	61.0	55.5	52.5	70.8
57.8	59.5	55.0	52.6	70.2
58.6	61.0	54.5	50.6	71.7
58.2	61.0	54.0	50.7	68.8
57.7	60.0	53.5	50.1	69.2
56.7	58.5	53.5	50.2	68.8
60.3	63.5	53.5	50.4	70.0
61.4	64.0	54.5	50.7	73.3
58.3	61.0	54.0	50.8	70.2
57.8	60.5	54.0	51.0	69.9
56.8	58.0	55.0	52.8	68.9
59.2	61.0	55.0	52.9	70.9
57.1	57.5	54.5	52.7	76.6
58.2	60.5	55.0	52.5	68.9
55.0	56.0	52.5	50.3	62.5
54.5	55.5	52.5	50.4	66.0
59.1	60.0	53.0	50.4	72.4
55.6	58.0	52.5	50.2	67.8
54.7	56.5	52.0	50.3	64.3
58.0	58.5	54.5	51.8	69.1
58.9	58.0	53.5	50.7	72.2

56.8	59.0	52.0	49.2	72.1
58.9	61.5	55.5	53.3	64.1

Br el & Kj◀r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME: 003.M24

SETTINGS:

Serial no: 2285721
Range: 32.0 - 112.0 dB
Peaks Over: 140 dB
2nd Exch. Rate: 4 dB
Period Time: Normal
Logged Every: 05:00
Detector 1 (RMS)
  Bandwidth: Broad Band
  Freq. Wgt.: A
Detector 2 (Br.Band)
  Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:

Micr.: 2588103
Sensitivity: -30.8 dB
Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date 2014 Jan 24
Start Time 12:33:52
Elapsed Time 71:59:58
Overload 0.0 %
Underrange 0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth: Broad Band
Freq. Wgt.: A

LFMax 95.2 dB
LSMax 88.6 dB
LIMax 99.2 dB
LFMin 39.6 dB
LSMin 49.2 dB
LIMin 51.1 dB
LAFTm5 64.3 dB
Leq 58.1 dB
LIeq 63.3 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.: C

#Peaks 0
Lpkmax 108.3 dB

LOGGED RESULTS (1 of 1):

Marker	LAF10		LAFMin	
	LAeq		LAF90	LAFMax
OU1234	dB	dB	dB	dB	dB
	53.5	55.0	49.5	46.1	65.6
	59.0	57.5	50.0	46.7	74.5

54.9	57.0	51.5	47.1	67.5
55.4	57.0	50.0	46.5	69.1
52.8	54.0	48.5	45.5	64.4
59.6	63.0	53.5	46.3	75.8
58.5	60.0	55.0	53.6	74.0
59.4	60.0	58.0	56.5	68.9
59.1	60.0	57.5	56.4	67.3
60.1	60.5	59.0	57.7	70.0
60.2	60.5	59.5	58.4	62.6
60.3	60.5	59.5	58.5	64.3
61.3	62.0	59.5	58.4	69.7
59.3	60.0	58.5	57.2	64.4
59.8	60.5	59.0	58.0	65.3
59.8	60.0	59.0	57.7	69.0
60.6	62.0	59.5	58.2	69.1
60.1	60.5	59.0	58.2	67.8
60.2	61.0	59.0	57.5	64.7
61.7	62.5	59.0	57.8	73.2
60.4	61.0	57.5	55.9	76.0
58.8	60.0	57.5	55.7	65.6
58.5	59.5	56.5	54.7	74.9
58.1	59.0	56.5	55.2	68.2
57.7	58.5	56.0	54.7	68.4
58.7	60.0	57.0	55.1	69.8
62.5	64.0	60.0	58.3	73.9
62.5	64.5	60.0	58.7	72.5
61.7	63.5	59.5	58.2	68.0
64.1	66.0	59.0	57.2	77.2
59.6	62.5	56.5	54.4	68.8
58.2	59.0	56.5	54.7	68.5
59.7	62.0	57.0	55.3	68.5
59.6	60.5	57.5	56.0	69.4
60.0	60.5	58.5	56.1	66.6
62.6	65.5	60.0	58.5	68.8
63.7	66.5	60.5	58.0	72.8
65.0	66.5	61.0	58.5	73.7
65.4	66.5	63.5	60.6	73.8
67.1	68.5	60.5	58.7	83.5
61.4	62.0	60.5	58.8	68.9
61.2	62.0	59.0	56.7	72.8
60.8	63.0	58.0	56.5	74.1
59.3	60.0	57.5	56.7	70.3
59.9	60.5	58.5	57.2	68.8
58.8	59.5	57.0	54.9	66.9
58.4	58.0	51.0	46.3	74.5
61.3	64.5	51.0	46.1	75.8
62.5	66.5	53.0	46.6	73.3
64.2	68.0	56.5	54.3	76.9
63.1	65.0	56.5	54.9	80.3
61.1	65.0	53.0	46.7	76.0
64.1	65.0	54.5	45.8	84.0
65.4	70.0	52.0	46.7	76.8
59.1	63.5	50.5	45.6	71.5
55.2	57.5	50.0	45.9	70.4
60.6	64.5	53.0	46.9	71.8
58.9	63.0	51.5	46.4	69.2
56.1	55.0	49.5	46.4	73.9
52.4	54.0	48.0	44.4	57.5
52.9	54.0	49.5	45.2	69.2
58.7	58.5	50.0	45.9	76.2
71.7	77.0	53.5	47.5	84.8
70.2	75.5	52.0	46.3	84.3
69.9	74.0	51.0	46.1	85.5
72.7	78.5	53.0	47.0	85.2
68.1	71.5	50.0	44.8	82.6
68.3	71.5	53.0	45.3	83.7
68.6	73.0	53.0	47.1	84.8
59.4	60.5	51.0	46.4	79.7
53.2	55.0	49.0	44.8	60.2
53.8	56.5	49.0	45.7	66.8
60.7	65.5	49.5	44.4	75.9
60.1	64.5	49.5	44.0	76.6
59.1	61.5	50.0	46.4	74.1
53.8	55.5	49.5	45.3	67.4
51.7	53.0	47.5	44.2	54.8

52.2	54.0	48.0	43.8	56.1
55.3	55.5	47.0	43.7	70.5
56.5	56.0	49.0	44.6	77.9
53.1	54.5	49.0	45.3	60.7
59.0	54.5	48.5	44.5	81.3
51.7	53.0	47.0	43.8	56.0
56.9	58.0	50.0	45.9	72.1
52.1	53.5	48.0	45.4	57.1
52.1	53.5	47.5	44.5	55.9
54.5	57.0	48.5	43.9	64.3
53.9	55.5	48.5	44.7	64.1
58.8	59.0	49.5	43.6	77.1
56.2	59.0	47.5	43.8	71.8
55.7	55.5	48.0	44.0	76.8
51.5	53.0	47.0	43.6	55.2
54.2	57.0	49.0	43.5	60.5
53.0	54.5	49.0	45.5	67.6
53.6	56.5	48.0	44.3	62.1
55.7	55.5	48.5	44.1	71.0
53.2	54.0	48.0	44.7	67.9
51.7	53.0	47.0	44.2	59.6
54.1	56.0	50.5	46.1	61.8
52.6	54.0	48.5	44.6	58.5
51.4	53.0	46.5	43.4	54.3
56.2	58.0	47.5	43.7	69.0
52.1	53.5	48.5	44.3	55.7
51.5	53.0	47.0	43.7	55.8
55.1	58.0	50.5	44.7	62.0
53.2	55.5	48.5	44.3	59.4
51.9	53.0	47.5	44.3	57.1
57.0	58.5	50.5	44.3	70.4
53.0	55.0	48.5	44.4	58.6
52.8	54.5	48.5	44.3	58.2
55.9	58.5	52.0	44.6	63.4
52.1	53.5	48.0	44.5	57.0
52.2	53.5	48.0	44.2	56.9
52.6	54.5	48.0	43.7	58.7
53.2	55.5	49.0	45.4	58.6
52.5	54.5	48.0	44.6	58.1
59.3	61.5	50.0	45.7	73.9
53.2	55.5	48.5	44.3	59.5
51.5	53.0	47.0	44.0	54.5
53.3	56.0	48.0	44.3	61.4
55.9	55.5	49.0	44.8	71.1
52.1	54.0	47.5	43.4	57.9
54.1	57.0	50.0	43.7	61.3
53.5	56.0	48.5	43.8	61.9
55.5	55.5	48.0	43.9	70.6
52.1	53.5	47.5	43.7	56.6
52.0	53.5	47.5	43.6	58.7
52.0	53.5	47.0	43.7	58.8
54.2	56.5	49.5	44.7	62.4
51.8	53.0	47.5	43.7	56.4
51.8	53.0	47.5	44.1	56.6
54.0	56.0	50.0	46.2	61.6
52.3	53.5	48.5	44.4	55.8
51.2	52.5	46.0	43.7	54.0
52.5	54.0	47.5	43.5	60.3
52.0	53.5	48.0	43.9	56.8
51.1	52.5	46.0	43.2	54.0
52.7	55.5	47.0	42.9	61.6
51.1	52.5	46.0	43.4	55.1
63.0	53.0	46.5	43.4	82.6
53.3	55.5	48.0	44.1	60.5
59.5	64.0	50.0	44.8	67.1
53.3	56.0	47.5	43.5	61.8
51.8	53.5	47.0	43.5	57.6
51.4	52.5	46.5	43.4	55.3
50.9	52.5	45.5	42.7	53.1
53.1	55.5	48.0	43.4	59.9
51.5	53.0	47.0	43.7	56.0
51.4	53.0	46.5	43.4	54.9
51.6	53.0	47.0	43.2	57.0
51.1	52.5	46.0	43.3	56.1
51.6	53.0	47.0	43.2	59.0

53.8	57.0	48.0	43.2	60.9
52.0	53.5	48.0	43.5	55.9
51.0	52.5	45.5	43.3	54.0
50.9	52.5	45.0	42.9	55.2
51.8	53.5	47.0	42.9	56.0
52.3	54.0	48.0	43.0	57.2
52.4	54.5	48.0	43.2	57.5
51.3	52.5	46.0	43.1	58.8
50.9	52.5	45.5	42.9	53.3
51.3	52.5	46.0	42.8	55.8
51.0	52.5	45.5	43.1	54.2
50.8	52.5	45.0	42.7	53.4
52.7	55.5	46.0	43.1	61.6
50.9	52.5	45.5	42.8	53.9
51.3	52.5	46.5	42.6	54.1
50.9	52.5	45.0	42.8	53.2
50.8	52.5	45.0	39.6	52.8
50.8	52.5	45.0	42.6	53.5
52.4	55.0	46.0	42.8	59.1
50.8	52.5	45.0	42.8	53.1
50.8	52.5	45.0	42.7	52.8
50.8	52.5	45.0	42.7	53.2
50.8	52.5	45.0	42.7	53.5
52.8	55.0	47.0	42.7	58.8
53.6	55.5	48.0	44.0	64.1
51.1	52.5	46.0	42.9	54.1
50.8	52.5	45.0	42.8	53.0
51.0	52.5	45.5	43.0	54.9
52.7	54.5	48.0	43.1	58.3
52.6	55.5	46.0	42.9	61.3
51.9	53.5	47.5	43.8	56.3
51.4	53.0	46.5	42.9	55.4
51.0	52.5	45.5	42.9	53.5
50.8	52.5	45.0	42.8	52.9
50.8	52.5	45.0	42.8	52.9
51.1	52.5	45.5	42.7	55.8
51.4	53.0	46.0	43.0	55.9
51.2	52.5	46.0	43.2	54.3
51.3	52.5	46.5	43.3	53.9
50.9	52.5	45.0	40.8	53.4
51.5	53.0	46.5	42.9	55.9
50.9	52.5	45.5	42.6	53.7
52.9	56.0	47.5	43.4	60.3
50.9	52.5	45.5	42.8	53.6
50.9	52.5	45.5	43.0	53.8
50.8	52.5	45.0	42.7	54.5
52.9	56.0	46.5	43.0	60.5
50.8	52.5	45.0	42.8	53.0
51.1	52.5	46.0	42.6	53.7
52.1	53.5	47.5	43.6	56.8
51.6	53.0	46.5	43.0	57.9
51.1	52.5	46.0	43.0	54.4
51.7	53.0	47.5	44.5	55.4
53.3	55.0	49.5	44.2	58.8
50.9	52.5	45.0	43.0	53.3
50.8	52.5	45.0	42.8	53.2
50.8	52.5	45.0	42.8	53.1
50.8	52.5	45.0	42.8	53.1
51.7	53.5	47.0	42.7	55.4
51.4	52.5	46.5	43.6	55.2
52.1	54.5	46.0	43.0	59.4
51.4	53.0	46.5	42.9	56.2
52.0	53.5	47.5	42.1	56.1
52.2	54.0	48.0	43.8	56.7
52.3	54.0	47.0	43.3	62.4
52.1	53.5	48.0	44.5	56.5
51.5	53.0	46.5	43.4	56.2
51.6	53.0	47.0	43.5	56.1
51.0	52.5	45.5	42.9	60.3
53.5	56.0	48.0	43.2	65.8
52.1	53.5	47.5	43.4	61.8
51.8	53.5	48.0	43.2	56.8
53.6	56.0	49.0	44.8	60.7
54.9	57.5	50.0	45.2	65.4
58.7	62.5	51.5	45.5	69.3

58.3	62.0	51.5	46.3	71.6
57.3	60.0	51.5	46.0	72.6
56.5	59.5	51.5	46.2	66.6
55.3	57.0	52.0	47.6	68.0
56.3	59.0	51.5	46.5	69.2
54.7	57.0	49.5	45.0	70.4
54.7	57.5	50.0	44.4	68.5
53.2	54.0	48.0	44.2	68.0
57.0	58.0	49.5	44.2	77.8
56.8	59.0	52.0	46.1	69.4
54.9	57.0	51.0	45.7	66.5
53.4	55.0	49.5	44.9	62.2
54.4	56.0	51.5	47.3	63.0
53.8	55.5	49.0	45.5	67.9
56.6	59.5	49.5	44.8	69.1
54.2	56.0	51.0	46.0	65.4
54.3	55.5	51.0	46.2	73.9
52.9	55.0	48.5	44.9	64.0
53.1	54.5	48.0	43.7	65.7
55.6	55.5	49.0	44.0	72.9
58.1	58.5	49.0	45.2	74.9
54.2	57.0	49.0	44.5	64.1
54.5	56.5	50.5	45.2	68.6
54.3	56.0	50.5	45.2	64.2
69.7	59.0	49.5	44.3	95.2
51.5	52.5	46.5	43.6	65.7
53.5	55.0	48.5	43.7	63.9
58.2	61.5	51.0	45.4	72.7
57.5	59.5	50.0	44.9	75.1
58.2	61.0	51.0	46.5	74.7
57.8	60.0	50.0	45.2	77.3
53.2	54.0	49.0	44.4	64.0
59.5	61.5	50.5	46.2	75.3
56.4	60.0	50.5	44.9	63.5
54.2	54.5	49.5	45.4	73.2
53.8	55.5	49.5	45.2	68.0
56.7	57.0	49.5	44.7	74.9
52.3	53.5	48.0	44.2	65.2
53.1	54.5	49.5	45.1	59.6
54.8	56.5	50.5	45.9	67.3
52.9	54.5	48.5	44.5	61.2
52.1	53.5	48.0	44.7	59.4
53.5	55.0	50.0	46.0	61.8
52.9	54.0	49.5	46.2	60.6
59.5	60.5	49.5	45.1	76.9
55.3	57.5	50.5	45.2	64.4
52.3	53.5	48.5	44.4	60.5
53.4	55.0	49.0	44.5	62.9
57.5	59.5	49.0	44.5	72.5
52.0	53.5	47.5	44.0	59.3
52.5	54.0	48.0	44.1	64.3
53.1	54.5	49.0	44.8	63.3
52.2	53.5	48.0	44.5	61.3
52.9	54.5	48.0	44.3	66.5
53.0	53.5	46.5	43.6	67.9
53.5	54.5	49.0	44.1	72.2
58.9	58.0	48.0	42.7	78.4
53.1	55.0	48.5	44.6	68.4
52.6	54.0	48.5	44.5	63.6
52.7	53.5	48.0	44.9	68.1
56.4	57.5	50.0	46.0	74.1
52.7	54.5	48.0	45.0	64.9
52.7	54.0	48.5	45.1	69.5
58.4	58.5	50.0	45.8	75.1
53.4	54.5	50.5	47.2	61.2
52.4	54.0	48.0	44.1	58.0
55.6	56.5	47.5	43.7	72.5
52.4	54.0	48.0	44.0	60.0
59.0	60.5	50.5	46.3	75.9
52.2	53.5	47.5	43.9	57.6
52.1	53.5	48.0	44.7	63.9
52.7	54.0	49.0	44.9	61.5
52.5	54.0	49.0	44.7	57.0
61.0	65.5	49.0	45.4	77.2
53.9	55.0	48.0	44.1	67.5

60.8	64.5	51.5	46.5	75.5
53.8	54.0	48.5	45.0	68.0
53.4	53.5	48.0	44.7	68.0
52.1	53.5	48.0	44.8	61.6
54.1	57.5	48.0	44.1	65.6
54.1	54.0	47.5	44.2	70.9
57.3	55.0	49.5	46.0	74.9
52.8	54.0	49.0	45.7	61.9
54.1	55.0	49.0	44.2	70.8
52.6	53.5	48.0	44.6	70.3
55.8	55.5	48.5	44.6	72.5
51.7	53.0	47.5	44.3	58.3
53.2	55.0	49.0	44.4	67.3
55.2	58.0	49.5	45.1	65.2
52.3	53.5	48.0	44.4	58.4
58.2	58.5	49.0	45.4	74.6
53.5	55.0	50.0	46.0	68.5
52.3	53.5	48.0	44.3	62.9
57.1	58.5	50.5	45.4	72.0
53.7	55.5	49.0	44.9	68.0
58.0	62.0	50.5	45.1	73.0
56.4	59.0	50.5	45.1	68.2
59.4	64.0	49.0	44.6	73.4
52.5	53.5	47.5	44.3	64.8
53.5	55.5	49.0	44.6	66.1
58.2	62.5	49.0	44.3	72.5
53.6	53.5	47.5	44.0	70.7
54.0	55.5	49.0	44.4	67.9
52.6	54.0	48.5	44.1	63.1
52.2	53.5	48.0	43.9	60.9
53.2	55.5	48.5	44.3	60.5
53.3	55.0	49.0	44.5	63.8
52.0	53.5	47.5	44.1	61.0
52.6	54.0	49.0	45.1	59.7
52.9	54.0	48.5	44.7	68.7
59.2	60.0	50.0	45.0	75.7
53.5	55.0	50.0	46.0	65.1
57.1	56.5	49.5	45.1	75.1
51.9	53.5	48.0	44.6	56.4
57.9	58.5	48.0	44.2	76.0
51.8	53.0	47.0	43.6	62.7
51.6	53.0	47.0	43.6	58.0
54.2	55.0	49.5	45.9	69.8
56.8	60.5	49.5	45.2	69.3
57.0	61.0	49.0	45.2	68.0
55.5	59.0	49.5	44.5	69.1
51.7	53.0	47.0	44.1	57.3
59.8	59.0	49.0	45.2	77.4
51.9	53.5	47.5	44.2	55.8
58.8	56.5	48.0	43.8	76.4
52.1	53.5	47.5	43.9	58.1
51.6	53.0	47.5	43.5	55.4
51.6	53.0	47.0	43.6	63.5
55.9	57.5	47.5	43.3	71.0
54.8	56.0	49.0	44.4	70.9
53.8	55.0	48.5	44.5	64.5
57.1	57.5	48.0	44.4	76.3
52.3	53.5	47.5	44.0	61.1
52.0	53.0	47.0	44.1	70.2
53.4	53.5	48.0	44.9	66.2
52.6	54.5	48.5	44.2	60.6
60.1	63.0	48.5	44.5	77.7
53.5	55.5	48.5	44.7	63.1
51.8	53.0	47.5	43.8	66.8
56.3	56.5	50.0	45.5	72.1
52.5	54.5	48.0	44.2	61.3
52.9	55.0	48.0	43.7	60.1
52.4	54.0	48.5	44.5	62.6
52.1	53.5	47.5	44.2	61.0
51.9	53.0	47.5	43.8	63.0
55.5	54.5	48.5	44.7	70.2
53.8	55.0	47.5	43.8	66.8
53.6	56.0	48.5	43.9	68.8
51.9	53.5	47.0	43.7	58.8
51.1	52.5	46.0	43.5	53.6

51.1	52.5	46.0	43.3	53.4
55.5	56.5	48.0	43.6	69.8
51.5	53.0	46.5	43.7	55.3
52.8	54.5	49.0	44.3	59.8
53.4	55.0	49.5	44.1	60.7
52.2	53.0	47.0	43.6	62.7
56.7	59.5	48.5	43.7	76.3
52.3	53.0	46.5	43.6	65.4
52.0	52.5	46.0	43.3	68.8
59.2	60.0	48.5	44.2	76.1
52.0	53.5	47.5	43.8	58.2
51.7	53.0	47.5	43.8	57.0
55.2	57.0	48.0	44.0	70.8
56.1	54.5	48.5	43.9	73.8
51.7	53.0	47.0	43.6	56.3
51.8	53.0	47.0	43.6	59.6
52.5	54.0	48.0	44.0	63.9
54.0	54.0	47.5	44.0	67.6
53.0	54.5	48.5	44.4	66.3
56.6	59.5	48.0	44.0	70.4
51.2	52.5	46.0	43.6	55.0
52.6	54.5	48.0	43.4	60.0
53.8	55.5	50.0	44.5	61.8
52.3	53.5	48.5	43.8	57.3
52.2	53.5	48.0	43.8	57.9
51.8	53.0	47.0	43.4	58.5
52.6	55.0	47.0	43.6	61.5
57.4	58.0	47.5	43.7	72.0
52.3	54.0	48.0	44.0	56.8
52.0	53.5	48.0	44.4	56.6
51.6	53.0	47.0	43.7	59.9
56.2	54.5	47.5	44.1	75.3
51.3	52.5	46.0	43.5	58.1
52.4	54.0	48.0	43.7	59.0
52.2	53.5	47.5	43.7	60.5
52.2	53.0	47.5	44.0	69.4
51.9	53.0	47.0	43.5	69.5
51.7	53.0	47.0	43.5	57.3
51.2	52.5	46.0	43.5	55.2
52.6	54.5	48.0	43.7	59.6
52.3	53.5	48.0	44.0	57.4
51.8	53.5	47.0	43.8	56.2
52.4	53.5	47.5	44.4	60.8
52.0	53.5	47.5	43.9	58.2
51.9	53.0	46.5	43.4	61.3
52.9	54.5	49.5	45.2	58.5
51.8	53.5	47.0	43.7	58.0
51.2	52.5	46.0	43.5	58.7
52.1	53.0	46.5	43.6	64.8
51.5	53.0	47.0	43.6	56.0
51.2	52.5	46.5	43.6	53.7
51.7	53.5	46.5	43.5	57.5
52.1	53.5	48.0	43.7	58.4
52.3	54.0	47.5	43.9	57.5
51.3	52.5	46.5	43.8	54.6
55.7	58.0	49.0	44.5	68.5
51.3	52.5	46.5	43.9	56.1
52.0	53.5	47.0	43.8	59.0
51.8	53.0	47.5	44.5	56.2
51.4	52.5	46.5	43.9	55.1
51.7	53.0	47.0	43.5	57.0
51.3	52.5	46.5	43.8	54.9
51.3	52.5	46.5	43.8	54.4
51.8	53.5	46.5	43.3	61.5
53.6	55.0	47.0	43.5	69.2
51.3	52.5	46.0	43.3	67.6
53.3	56.5	46.5	42.3	64.5
51.2	52.5	45.5	43.2	63.6
51.4	52.5	46.5	43.5	56.4
52.4	54.0	48.0	43.4	57.6
51.6	53.0	47.0	44.0	57.0
51.1	52.5	46.0	43.4	53.7
51.2	52.5	46.0	43.4	54.3
51.2	52.5	46.0	43.6	54.1
51.1	52.5	46.0	43.4	53.8

52.0	53.5	46.5	43.3	61.1
50.9	52.5	45.5	43.1	55.6
51.1	52.5	46.0	43.3	53.9
51.0	52.5	45.5	43.0	53.3
50.9	52.5	45.0	43.0	53.0
51.0	52.5	45.5	43.2	53.8
51.2	52.5	46.0	43.2	56.4
51.0	52.5	45.5	43.2	53.2
50.9	52.5	45.5	43.1	53.7
51.4	52.5	45.5	43.0	59.0
51.3	52.5	46.5	43.3	54.7
51.0	52.5	45.5	43.2	53.2
51.4	53.0	46.0	43.2	57.2
51.2	52.5	46.0	41.8	56.2
50.9	52.5	45.5	43.0	53.7
50.9	52.5	45.5	43.1	53.2
51.7	53.5	46.5	43.1	57.0
51.5	53.0	46.0	43.4	57.4
52.4	54.5	47.0	43.4	60.0
50.9	52.5	45.5	43.1	53.1
50.8	52.5	45.5	43.1	52.9
50.8	52.5	45.0	42.9	52.9
50.8	52.5	45.0	42.9	52.9
51.3	52.5	46.0	43.2	55.6
51.4	53.0	47.0	44.0	54.0
51.0	52.5	46.0	43.2	53.4
51.7	53.5	46.5	43.3	56.7
51.7	53.5	46.5	43.1	57.2
51.4	53.0	46.5	43.1	55.2
51.4	53.0	46.5	43.1	55.4
52.0	53.5	46.5	43.3	59.5
50.9	52.5	45.5	43.1	53.2
50.9	52.5	45.0	42.9	55.5
51.4	52.5	46.0	43.0	57.8
51.5	53.0	47.0	44.3	56.2
51.0	52.5	46.0	43.2	53.5
51.1	52.5	46.0	41.0	55.2
50.9	52.5	45.5	42.9	53.0
51.0	52.5	45.5	43.2	53.6
51.1	52.5	46.0	43.2	54.8
51.3	53.0	46.5	43.2	55.3
50.8	52.5	45.0	43.1	53.0
50.9	52.5	45.5	42.9	53.0
50.8	52.5	45.0	42.9	53.0
50.9	52.5	45.5	43.0	53.2
51.0	52.5	46.0	43.3	53.3
51.5	53.0	47.0	43.3	54.7
50.9	52.5	45.5	43.3	53.2
51.3	52.5	46.0	43.2	56.2
51.1	52.5	46.0	43.4	53.9
52.0	53.5	47.5	44.1	58.3
51.3	52.5	46.5	43.9	54.5
53.1	56.0	47.5	43.9	60.8
51.3	52.5	46.5	43.6	58.2
51.5	53.0	46.5	43.3	60.2
51.6	53.0	47.0	43.8	55.6
51.2	52.5	46.0	43.4	61.4
51.4	53.0	47.0	43.3	56.0
51.3	52.5	46.5	43.6	56.6
52.0	53.5	48.0	42.7	55.5
52.9	55.0	47.5	43.8	62.0
53.2	56.0	48.5	44.3	58.5
53.7	55.0	49.5	46.4	73.6
54.9	58.0	49.5	46.0	66.6
54.4	56.5	50.5	46.7	65.2
54.4	56.5	50.0	45.2	63.2
54.4	56.0	50.5	45.8	72.7
55.1	57.5	50.5	46.3	68.0
55.7	57.5	51.5	46.6	68.9
58.8	62.5	53.0	47.7	69.4
54.3	56.0	51.0	47.3	61.1
56.4	59.0	52.0	46.9	65.8
54.1	56.5	50.0	45.8	64.8
56.2	59.0	51.5	45.1	72.0
53.8	55.5	50.0	44.9	65.1

54.3	56.0	50.5	45.9	66.6
55.4	58.5	50.0	45.0	66.9
54.7	56.5	48.5	44.3	67.9
55.5	57.5	51.0	45.4	71.9
55.0	57.0	51.5	46.6	62.6
55.2	56.5	51.0	46.9	68.6
53.8	55.5	50.0	45.7	65.0
55.0	58.0	50.5	45.5	65.1
60.1	62.5	54.5	49.8	76.4
61.4	63.0	58.5	56.7	69.5
63.7	66.0	60.5	58.9	75.2
62.7	64.0	59.5	58.2	75.5
63.3	66.0	59.5	58.0	73.9
64.5	67.5	60.0	58.6	77.7
66.2	69.5	60.5	59.0	78.9
66.6	69.0	60.5	58.8	83.5
63.6	66.0	59.0	57.7	77.6
61.8	65.0	58.5	57.0	71.1
59.6	61.0	57.5	55.7	68.7
58.6	59.0	57.0	55.5	69.3
61.2	63.5	58.0	55.3	72.2
58.9	59.5	57.0	55.3	71.8
60.6	63.0	58.0	56.2	73.4
61.5	62.0	59.5	57.7	76.1
62.4	63.0	60.0	57.9	76.8
61.3	62.0	60.0	58.9	68.0
61.8	62.5	60.5	59.5	71.0
62.2	64.0	59.0	57.4	77.6
60.2	60.5	58.0	56.8	71.6
60.4	62.0	57.5	56.0	75.0
58.6	59.5	57.0	55.5	70.2
58.1	59.0	56.5	55.1	70.7
60.0	61.5	58.5	56.9	65.3
59.7	60.5	58.0	56.1	73.4
61.9	63.0	58.5	57.2	75.0
63.5	67.5	59.0	57.6	74.2
61.1	62.5	58.0	54.7	80.1
58.7	62.0	51.5	46.4	72.4
61.9	58.5	49.0	45.3	79.1
53.5	55.0	48.5	45.2	65.8
54.8	56.5	50.0	45.5	71.6
53.6	54.5	49.5	46.0	66.6
54.6	55.5	50.0	45.8	67.0
56.2	58.0	49.0	44.9	71.5
53.1	54.0	48.5	44.8	67.9
58.4	56.5	49.0	45.8	77.2
53.9	53.5	48.5	45.6	71.2
54.9	57.5	49.0	45.2	67.8
59.8	60.5	58.5	57.5	66.9
60.4	62.0	57.5	55.8	71.8
60.6	59.5	57.5	56.3	78.5
59.5	59.5	57.0	55.7	72.3
61.2	63.0	57.5	55.7	74.4
61.9	64.5	58.0	56.4	75.7
63.9	67.0	58.0	55.7	79.3
63.4	66.0	59.5	57.8	78.5
65.0	68.0	60.5	59.2	77.7
62.8	65.5	58.5	57.0	77.6
59.3	60.0	58.5	57.0	65.2
65.3	67.0	58.5	56.2	68.3
63.4	64.0	58.0	56.3	81.0
66.1	67.5	59.0	57.3	71.9
67.4	68.0	66.5	65.2	74.0
67.6	68.0	66.5	65.6	70.6
65.8	67.0	59.0	57.3	73.7
67.0	68.0	63.5	59.7	76.2
61.5	64.0	58.5	57.0	74.2
61.1	63.0	57.5	55.8	75.0
58.3	59.0	56.5	54.6	67.1
61.6	63.0	57.0	55.2	77.4
61.4	65.5	58.0	56.4	67.6
66.6	68.0	60.5	57.7	69.5
62.7	64.5	60.5	57.8	71.8
62.7	64.5	61.0	58.4	70.7
66.7	68.0	59.5	56.2	70.5

59.2	60.0	57.5	55.8	67.9
61.2	63.0	57.5	55.2	76.3
58.5	59.5	56.5	54.7	71.3
59.0	59.5	57.5	55.6	71.9
61.5	65.0	57.0	55.1	74.7
60.3	62.5	57.0	55.3	72.8
59.9	61.5	57.0	55.0	72.0
60.8	63.0	58.5	56.7	72.2
62.0	64.0	59.5	57.3	71.1
60.5	61.5	58.5	56.6	78.1
59.6	60.5	58.0	56.2	69.7
61.7	64.0	53.5	47.7	75.6
55.3	57.5	50.5	46.7	67.8
55.5	57.5	51.0	47.2	66.8
53.4	55.0	50.0	46.4	60.4
61.1	64.0	53.5	49.2	82.7
63.1	66.5	55.0	51.2	79.7
62.7	66.0	54.5	50.7	78.5
60.4	63.5	53.0	47.2	75.9
60.6	62.0	58.0	47.9	68.1
59.5	60.0	58.5	55.0	73.0
58.9	60.0	56.5	54.6	74.9
61.7	64.0	57.5	55.7	75.5
59.3	60.5	57.5	55.5	66.9
60.7	62.5	58.5	56.7	65.4
61.5	63.0	59.0	57.6	72.2
63.7	67.0	57.0	48.7	76.6
61.1	65.5	51.5	46.7	74.6
55.0	58.0	50.0	46.0	66.6
54.0	55.0	50.5	46.5	66.6
55.4	56.5	51.5	46.4	68.8
53.7	55.0	50.0	46.2	72.1
55.9	58.5	50.5	47.4	70.6
55.0	54.5	49.0	45.4	68.2
52.0	53.5	48.0	44.7	58.2
51.9	53.0	47.0	44.0	62.0
55.1	58.0	50.0	44.4	65.2
59.0	62.5	49.5	44.5	74.7
52.3	53.5	48.0	44.5	63.0
51.6	53.0	47.5	44.1	55.0
56.4	58.0	47.5	44.0	73.2
55.0	55.0	48.0	44.1	77.7
52.6	54.5	48.5	44.3	58.4
53.8	56.0	49.0	44.7	62.2
52.0	53.5	48.0	45.0	55.6
52.8	54.5	47.5	44.3	66.8
51.9	53.0	46.5	43.8	65.3
58.6	59.5	48.0	43.7	75.4
52.4	54.0	47.5	43.9	62.6
54.7	55.5	49.0	44.3	68.5
53.7	53.0	47.0	44.0	70.4
55.9	56.0	47.5	43.9	72.1
52.0	53.5	47.5	43.6	61.6
51.6	53.0	47.0	43.7	54.6
53.1	55.0	47.5	43.6	63.1
53.2	55.0	49.0	44.0	61.5
51.9	53.5	48.0	44.7	56.2
52.0	53.5	47.5	43.9	57.6
55.9	53.5	47.0	43.8	72.1
51.7	53.0	47.5	44.7	57.0
53.2	55.0	49.0	44.7	59.8
51.8	53.0	47.5	44.1	56.8
51.0	52.5	46.0	43.2	53.7
55.3	57.5	47.0	42.9	69.9
51.5	53.0	47.0	43.6	56.2
51.1	52.5	46.0	43.6	53.8
52.8	54.5	48.5	43.9	65.2
52.8	54.5	48.5	44.4	58.8
51.5	53.0	47.0	43.9	55.8
53.2	53.5	48.0	44.1	69.4
55.2	56.0	47.5	43.6	72.3
51.7	53.0	47.5	44.5	56.3
54.1	56.0	49.0	44.1	65.6
52.3	53.5	48.0	44.7	65.9
51.8	53.0	47.5	43.7	58.2

51.5	53.0	47.0	43.6	56.7
51.7	53.0	47.5	43.7	56.2
58.3	61.0	48.0	44.1	73.7
52.9	54.5	48.5	44.9	61.5
53.1	54.0	48.5	44.3	69.7
52.0	53.0	47.0	43.9	66.4
55.8	56.5	48.5	44.0	71.5
52.0	53.5	48.0	44.3	59.6
54.3	55.0	47.0	43.8	70.3
55.3	56.5	48.5	44.6	68.5
51.8	53.0	47.5	44.1	62.2
53.0	55.0	48.0	44.1	64.0
56.7	59.5	49.5	43.7	70.0
53.2	55.0	48.0	43.8	65.1
52.7	54.5	48.0	43.4	62.4
54.2	56.0	48.5	43.8	73.2
52.4	54.0	48.5	44.1	57.9
51.7	53.0	47.5	44.0	56.7
55.4	55.5	48.0	43.9	71.7
51.4	52.5	46.5	43.8	57.1
51.4	53.0	46.5	43.5	56.7
53.9	57.0	48.5	43.9	62.1
52.3	53.5	48.0	43.9	67.2
51.8	53.0	47.5	44.2	56.8
55.0	54.5	47.0	43.7	72.0
51.7	53.0	47.0	43.9	56.3
51.4	53.0	46.5	43.6	54.4
52.5	54.0	48.0	44.1	60.0
52.1	53.5	48.0	44.5	56.5
51.6	53.0	47.0	43.5	54.5
52.1	53.5	47.5	44.2	57.7
52.5	53.5	48.0	44.5	60.3
51.2	52.5	46.5	43.7	53.7
53.5	55.5	48.5	44.3	64.2
51.8	53.0	48.0	43.8	55.6
51.3	52.5	46.5	43.3	56.9
51.2	52.5	46.0	43.5	56.2
51.2	52.5	46.0	43.6	56.2
51.7	53.0	47.5	43.9	56.3
52.9	55.0	48.0	44.7	60.1
51.7	53.0	47.5	44.2	55.1
51.3	52.5	46.5	43.5	54.6
51.3	52.5	46.5	43.6	54.8
51.2	52.5	46.5	44.0	54.1
55.3	58.5	49.5	45.0	66.3
54.3	57.0	48.5	44.2	65.5
52.6	54.0	48.5	44.6	62.9
52.1	53.5	48.0	44.4	56.1
52.1	53.5	48.0	44.3	57.0
51.2	52.5	46.5	43.8	53.8
51.6	53.0	47.0	44.4	54.5
52.2	54.0	47.0	43.9	58.6
51.5	53.0	47.0	43.9	55.3
51.4	53.0	47.0	44.1	54.4
51.3	52.5	46.5	43.9	54.6
51.3	52.5	46.5	43.7	53.9
51.6	53.0	47.0	43.8	56.4
52.3	54.0	48.0	43.9	60.5
51.4	52.5	46.5	43.7	56.0
51.3	52.5	46.5	43.6	53.7
51.3	52.5	46.5	43.8	53.9
52.3	53.5	46.5	43.7	66.8
51.9	53.5	46.5	43.7	59.2
53.1	55.5	47.5	42.7	63.4
51.7	53.0	46.5	43.6	62.3
51.5	53.0	47.0	44.0	59.5
51.1	52.5	46.0	43.5	53.5
51.1	52.5	46.0	43.8	54.7
51.1	52.5	46.0	43.5	54.0
51.3	52.5	46.5	43.5	56.4
51.7	53.0	46.5	43.7	66.3
51.1	52.5	46.0	43.6	56.4
51.1	52.5	46.0	43.4	53.8
51.1	52.5	46.0	43.3	53.7
51.3	52.5	46.0	43.3	55.4

51.5	53.0	47.0	43.7	55.8
51.1	52.5	46.0	43.3	53.4
51.0	52.5	45.5	43.1	53.1
52.3	54.5	46.5	43.2	59.0
52.7	54.5	49.0	43.8	57.7
51.5	53.0	46.5	43.5	55.8
53.0	56.0	47.0	43.6	62.4
51.5	53.0	47.0	43.2	55.1
51.0	52.5	45.5	43.3	53.4
50.9	52.5	45.5	43.1	53.1
50.9	52.5	45.5	43.1	53.1
51.1	52.5	46.0	40.0	54.6
51.1	52.5	45.5	43.2	54.6
51.1	52.5	46.0	43.2	53.8
51.6	53.0	46.5	43.4	64.9
52.3	54.0	48.0	43.6	56.5
51.1	52.5	46.0	43.2	53.9
51.6	53.0	47.0	43.5	55.3
53.4	56.5	47.0	43.5	62.5
51.1	52.5	46.0	43.5	53.6
51.1	52.5	46.0	43.2	54.9
51.6	53.0	46.0	43.3	57.8
51.4	52.5	46.0	43.4	56.8
51.8	53.0	46.0	43.3	60.1
51.3	53.0	46.5	43.3	54.0
51.6	53.0	47.0	43.7	56.0
51.1	52.5	46.0	43.5	53.3
51.0	52.5	45.5	43.4	53.1
52.4	54.5	47.0	43.5	57.6
51.0	52.5	45.5	43.3	53.1
51.0	52.5	45.5	43.2	53.6
51.2	52.5	46.0	43.2	54.6
51.7	53.0	46.5	43.0	57.6
51.4	53.0	46.5	43.4	54.3
51.8	53.5	47.5	43.3	55.0
51.3	52.5	46.5	43.8	54.1
52.3	53.5	48.5	44.1	55.5
51.9	53.5	47.5	44.2	57.1
52.9	54.5	49.5	44.8	58.0
54.9	56.5	52.0	46.9	58.6
53.6	55.5	50.0	45.4	57.8
54.0	57.5	48.0	44.9	61.7
52.1	53.5	47.5	43.9	59.5
51.9	53.0	47.5	43.8	63.4
51.3	52.5	46.5	44.0	59.9
51.6	53.0	47.0	43.8	58.7
51.6	53.0	47.0	43.6	62.8
55.2	58.0	49.0	44.0	60.3
53.7	56.5	48.0	43.8	61.0
53.5	55.5	50.0	45.7	59.9
54.8	57.0	51.0	47.7	61.4
55.3	57.5	51.5	47.5	71.8
53.7	55.0	50.0	46.6	70.0
53.8	55.5	50.5	45.6	60.6
52.5	54.0	48.5	45.1	60.6
54.0	56.0	50.0	45.8	65.2
53.2	55.0	49.0	45.3	63.1
55.6	59.0	50.5	46.0	65.4
53.9	55.5	50.0	46.6	65.6
54.3	56.5	50.0	46.6	64.5
54.0	55.5	51.0	47.6	60.5
52.8	54.0	49.5	46.5	58.3
56.7	59.5	52.0	47.4	65.8
56.3	59.0	51.5	46.0	66.3
56.2	58.5	52.0	46.1	68.3
58.6	62.0	52.0	45.9	70.1
56.5	59.0	52.0	46.2	68.1
54.8	57.0	50.5	46.3	64.5
54.1	55.5	49.5	45.3	64.6
52.9	54.5	49.0	45.5	61.4
54.2	55.5	50.0	46.5	68.2
59.7	61.5	51.5	47.1	76.9
60.9	62.5	57.0	54.8	67.9
63.4	65.0	61.0	58.2	75.5
64.9	66.5	63.0	58.4	70.7

64.9	66.5	62.0	57.2	76.3
66.1	66.5	65.0	63.9	73.9
65.5	66.0	64.5	58.2	69.4
59.8	60.5	58.5	57.3	67.3
59.8	60.5	58.5	57.4	66.0
62.0	64.0	58.5	56.8	75.0
63.8	67.5	58.0	55.4	76.7
63.8	66.5	59.0	57.0	77.6
65.7	69.5	59.5	57.6	76.9
65.0	67.5	59.5	58.6	83.2
64.2	67.0	60.0	58.5	76.5
64.7	67.5	60.0	58.7	77.3
63.9	67.5	58.5	56.5	76.5
63.1	66.0	57.5	56.1	77.3
60.3	61.5	58.5	56.0	68.9
61.9	63.0	60.0	57.9	69.2
65.1	67.5	61.0	59.1	80.1
64.4	66.5	61.5	60.4	76.1
61.1	62.0	59.0	57.1	70.8
61.8	63.0	58.5	57.1	71.1
62.3	64.0	57.0	55.6	75.7
59.6	60.5	58.0	55.5	67.1
60.9	64.0	57.5	55.7	71.6
63.1	67.0	56.5	55.0	76.5
59.7	61.5	56.5	54.2	72.0
59.8	60.0	56.5	55.1	74.0
60.9	62.5	56.5	54.7	76.3
57.8	59.5	53.0	47.4	66.1
54.0	56.0	50.0	46.5	63.3
54.0	54.5	49.0	45.8	67.9
56.0	55.0	48.5	45.2	73.2
53.7	55.5	48.5	44.7	65.3
59.5	59.0	47.5	44.5	76.5
53.3	54.5	49.0	44.8	69.9
54.2	56.5	49.0	45.0	66.3
60.3	62.0	56.5	52.8	67.7
62.9	66.0	60.0	59.9	66.7

Br el & Kj◀r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME: 004.M24

SETTINGS:

Serial no: 2285721
Range: 32.0 - 112.0 dB
Peaks Over: 140 dB
2nd Exch. Rate: 4 dB
Period Time: Normal
Logged Every: 05:00
Detector 1 (RMS)
  Bandwidth: Broad Band
  Freq. Wgt.: A
Detector 2 (Br.Band)
  Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:

Micr.: 2588103
Sensitivity: -30.8 dB
Date: 2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date 2014 Jan 27
Start Time 12:35:42

Elapsed Time	48:08:59
Overload	0.0 %
Underrange	2.8 %

RMS MEASUREMENT RESULTS:

Bandwidth:	Broad Band
Freq. Wgt.:	A
LFMax	89.1 dB
LSMax	80.6 dB
LIMax	94.4 dB
LFMin	---.- dB
LSMin	---.- dB
LIMin	---.- dB
LAFTm5	---.- dB
Leq	53.1 dB
LIeq	58.9 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.:	C
#Peaks	0
Lpkmax	106.8 dB

LOGGED RESULTS (1 of 1):

Marker	LAeq	LAF10	LAF90	LAFMin	LAFMax
OU1234	dB	dB	dB	dB	dB
	56.9	60.0	46.5	42.8	77.3
	56.0	58.0	45.5	43.0	72.0
	53.3	57.0	46.5	42.2	66.4
	50.7	53.0	45.5	41.4	61.6
	49.6	52.5	42.5	37.8	62.2
	50.1	53.5	42.5	37.8	62.5
	51.4	55.0	43.5	37.5	64.7
	46.8	48.5	43.0	39.6	59.2
	57.4	58.0	43.5	40.1	76.2
	50.2	53.0	44.5	41.5	63.6
	46.9	49.0	43.5	39.0	57.0
	53.5	52.5	40.5	36.3	69.7
	49.6	52.5	40.5	37.8	64.5
	50.8	53.5	45.5	43.3	59.5
	50.1	53.0	45.0	42.0	65.1
	49.3	52.0	43.5	39.4	62.1
	49.5	51.5	44.0	39.3	62.2
	50.4	53.0	44.5	40.1	59.0
	59.8	62.0	46.5	41.9	74.7
	49.7	53.5	40.5	36.1	62.7
	53.1	56.0	48.0	42.4	62.2
	53.5	57.5	46.5	42.6	63.4
	52.9	56.5	46.5	42.8	64.4
	55.4	58.0	46.0	40.4	69.5
	56.7	59.0	45.0	38.9	72.1
	51.2	54.0	43.0	38.3	67.4
	49.7	52.0	45.0	42.4	63.2
	52.2	56.0	46.0	42.0	65.2
	52.9	56.0	44.0	38.6	69.6
	54.3	55.5	43.5	39.2	72.0
	53.4	57.5	46.0	40.6	65.5
	48.9	52.5	41.5	37.0	61.1
	54.1	53.5	42.5	39.7	73.9
	50.5	51.5	44.0	40.3	70.3
	51.3	54.5	43.5	39.4	66.0
	47.9	50.0	42.5	37.3	66.4
	49.2	50.5	43.0	40.0	66.9
	58.4	60.0	45.0	40.7	75.1
	53.9	57.5	46.5	42.0	63.7
	52.1	55.0	46.5	42.5	60.8
	55.3	57.0	45.0	40.6	69.2

50.6	53.5	44.5	40.4	62.1
51.5	53.5	43.5	38.1	73.4
51.8	55.5	44.0	38.0	68.1
51.5	54.5	45.0	39.7	64.1
53.0	55.5	47.5	41.7	64.5
53.9	57.5	47.5	44.0	64.6
54.4	57.5	47.5	42.8	65.5
54.6	57.5	47.5	41.8	67.0
58.5	60.0	47.5	42.4	73.7
53.2	55.5	44.5	39.0	71.0
53.4	56.5	46.0	42.3	68.7
52.8	55.5	47.0	42.8	67.2
57.5	59.5	46.0	40.0	77.5
51.2	54.0	46.0	41.3	67.0
53.6	57.0	46.0	39.8	66.5
52.1	55.0	45.0	39.8	64.6
54.0	57.0	48.0	43.0	63.8
51.1	54.0	45.5	40.3	63.6
52.2	56.0	44.0	39.5	60.8
49.5	51.5	43.5	39.7	66.0
58.0	59.5	45.5	40.3	74.4
53.9	58.5	43.5	38.8	64.8
49.3	52.5	43.5	40.1	60.6
48.2	51.5	42.0	38.2	62.1
55.8	60.0	38.5	35.5	73.2
50.4	53.5	39.5	35.5	64.0
51.3	51.5	42.5	38.2	74.9
57.9	58.5	43.0	40.0	73.6
56.4	60.0	45.0	40.1	73.5
50.6	52.5	42.0	38.7	71.8
57.7	61.5	46.5	41.0	72.3
44.1	45.5	37.0	33.9	61.2
56.2	60.5	41.5	38.5	74.3
55.8	59.5	45.0	40.5	69.6
46.9	49.5	41.0	37.2	56.0
46.7	50.5	39.5	36.7	53.3
54.4	58.0	38.0	34.5	69.1
51.2	55.5	39.0	35.8	68.5
42.1	45.0	36.5	34.1	52.7
50.0	52.5	44.0	41.0	60.1
48.3	51.5	42.5	38.4	55.5
45.0	47.5	41.0	38.4	50.2
55.8	59.0	45.0	39.5	69.8
43.1	46.5	38.5	35.8	53.7
42.3	46.5	37.0	34.7	50.5
52.6	57.0	43.0	39.1	62.6
45.9	48.5	41.0	39.0	54.8
52.4	57.5	40.5	37.1	60.5
48.1	51.5	39.5	37.2	57.8
43.1	45.5	39.0	36.7	56.0
57.6	59.5	41.0	37.4	72.0
55.7	59.5	44.0	39.2	67.4
51.9	55.5	44.0	41.3	65.6
46.4	49.0	42.0	39.7	56.6
54.3	57.5	40.0	37.1	68.3
46.5	47.0	38.0	35.8	64.5
47.7	51.0	39.0	37.0	64.3
51.1	53.5	45.5	43.1	59.9
51.2	54.0	45.5	43.0	58.3
50.2	53.5	43.0	39.8	60.3
55.0	58.0	43.5	39.8	70.1
47.8	50.5	43.0	39.9	53.1
52.2	54.5	42.5	39.0	80.3
55.7	56.5	44.0	39.9	82.1
49.4	52.5	39.5	35.7	67.2
42.6	45.5	38.0	35.4	51.7
52.9	54.5	39.5	36.2	69.1
50.0	53.0	40.5	37.6	71.5
54.3	53.0	45.0	39.7	83.1
53.7	57.0	45.5	41.9	63.5
48.6	51.5	43.0	39.2	55.0
52.1	57.0	41.5	37.7	63.3
55.4	59.5	42.5	38.1	68.9
49.7	53.0	44.0	40.0	57.1
63.4	59.5	39.5	36.8	89.1

	66.1	65.0	44.0	37.7	85.6
	63.1	57.5	44.5	38.8	83.5
	48.4	51.5	41.5	38.2	71.0
	52.7	53.0	42.0	39.1	70.7
	54.5	54.5	43.5	40.2	68.1
	49.4	47.0	40.0	37.6	80.6
	50.6	55.0	42.0	38.1	59.7
	49.6	53.5	43.5	39.9	56.8
	53.9	55.0	42.0	38.7	69.8
	52.8	55.0	42.0	39.3	68.9
	53.7	58.0	43.5	41.2	68.1
	52.6	57.0	41.5	39.4	67.4
	55.4	58.5	47.5	44.2	67.3
	50.3	52.0	40.0	37.1	74.0
	50.6	54.0	42.0	38.9	72.3
	49.2	52.0	40.5	38.3	71.8
	46.8	50.5	41.5	38.0	56.0
	47.8	49.0	41.5	39.1	60.8
	53.5	56.0	47.5	41.5	60.4
	47.8	51.0	40.5	36.9	59.7
	46.9	52.0	37.0	33.9	58.7
	45.9	48.5	38.0	35.2	68.8
	46.4	50.0	40.0	36.1	55.1
	47.5	51.0	43.5	37.8	54.9
	50.9	55.0	41.0	37.3	58.7
	46.4	49.0	42.0	38.2	55.1
	43.6	46.0	39.5	36.2	51.2
	49.8	53.5	42.0	38.9	57.4
	48.0	53.0	40.5	37.7	57.3
	46.9	51.0	40.5	38.0	56.6
	53.2	58.0	45.0	39.7	62.9
	49.7	53.0	42.0	38.6	57.5
	45.9	48.5	40.0	36.6	55.4
	52.3	57.5	41.0	35.8	62.5
	42.4	45.5	36.5	33.1	55.0
U	51.0	58.0	35.5	---.-	61.1
	46.0	48.5	41.0	37.3	53.5
	51.4	58.0	36.5	34.0	62.1
U	39.7	42.5	35.5	---.-	50.0
U	51.5	57.5	35.5	---.-	63.4
U	36.9	38.5	34.5	---.-	43.6
	45.5	50.5	36.0	33.1	55.0
	51.8	56.5	41.0	36.9	60.9
	45.6	48.0	39.0	34.8	54.7
U	41.8	45.5	35.0	---.-	50.3
U	45.2	49.0	35.5	---.-	54.7
U	38.0	40.0	35.0	---.-	45.8
	48.7	53.0	35.5	33.8	61.1
	51.6	55.5	44.0	41.9	62.5
	45.7	48.0	40.0	34.5	51.2
	42.4	45.0	36.0	33.1	48.8
	46.8	50.5	39.0	35.6	65.2
	42.5	45.0	38.5	36.2	49.2
U	39.1	42.0	33.5	---.-	49.2
	51.3	56.0	37.5	35.1	60.6
	46.6	49.5	35.0	33.6	60.5
U	35.5	39.0	---.-	---.-	45.7
U	---.-	33.5	---.-	---.-	41.9
U	39.2	42.0	---.-	---.-	53.8
	48.7	52.5	36.5	33.0	59.4
U	48.8	52.5	36.0	---.-	57.2
U	32.6	35.5	---.-	---.-	51.8
U	32.1	36.0	---.-	---.-	42.3
U	---.-	34.0	---.-	---.-	40.7
U	---.-	34.5	---.-	---.-	43.2
U	52.9	59.0	---.-	---.-	63.0
	48.2	53.0	37.0	34.2	57.2
	47.3	49.5	41.0	37.7	53.6
U	41.1	45.5	---.-	---.-	52.9
U	33.0	35.5	---.-	---.-	48.3
U	---.-	33.5	---.-	---.-	43.0
U	50.7	57.0	---.-	---.-	62.8
U	45.6	50.5	35.0	---.-	56.5
U	38.2	41.0	---.-	---.-	49.7
U	45.4	51.0	32.0	---.-	55.5

U	41.3	44.5	35.5	---.-	52.3
U	32.1	36.0	---.-	---.-	43.0
U	48.9	54.0	---.-	---.-	62.9
U	37.9	40.5	34.0	---.-	45.3
U	37.9	41.0	32.5	---.-	46.1
U	33.0	36.0	---.-	---.-	43.1
U	52.4	58.5	---.-	---.-	62.5
U	32.6	35.5	---.-	---.-	41.0
U	35.4	39.0	---.-	---.-	44.9
	47.0	49.5	41.0	37.6	55.4
U	38.3	42.5	---.-	---.-	47.7
U	33.6	36.0	---.-	---.-	46.6
U	33.6	37.5	---.-	---.-	48.1
U	---.-	35.5	---.-	---.-	48.2
U	47.8	52.0	33.0	---.-	56.4
	47.1	52.0	39.5	37.6	55.7
	41.8	43.5	36.5	34.5	52.5
U	46.6	52.0	33.5	---.-	58.0
U	40.9	44.0	35.5	---.-	48.4
	47.3	51.0	40.0	37.9	55.7
	38.7	41.5	35.5	33.7	46.5
	53.4	59.0	37.0	33.9	62.0
	41.0	44.5	36.0	34.0	51.3
U	42.8	46.5	35.0	---.-	52.8
U	40.6	43.0	33.5	---.-	57.1
	42.9	45.0	38.5	34.7	48.3
	49.5	51.0	43.5	38.2	66.8
	49.6	52.0	40.0	37.0	66.6
U	51.0	55.0	37.5	---.-	64.8
U	51.9	56.5	37.0	---.-	66.5
	51.9	56.5	38.0	33.5	65.7
	52.9	56.5	41.0	34.7	66.4
	52.6	56.0	45.5	39.7	67.6
	53.5	57.5	44.0	39.2	61.8
	54.5	59.0	46.5	43.2	64.7
	51.9	55.0	46.0	42.1	63.5
	58.8	62.5	50.0	45.4	72.5
	53.8	56.0	46.5	44.1	72.8
	53.9	57.0	47.0	43.1	64.4
	54.4	58.0	48.0	44.0	66.5
	55.9	59.5	47.5	42.6	65.7
	53.8	57.5	43.5	39.5	66.3
	51.9	56.0	44.0	39.6	64.5
	57.2	61.0	47.0	39.1	69.3
	54.4	58.0	47.0	41.4	64.4
	55.8	58.5	48.0	42.7	69.7
	55.4	58.5	49.5	45.9	66.1
	57.4	61.0	49.0	44.7	68.7
	56.2	60.0	48.5	41.5	67.7
	55.6	59.0	48.5	41.2	66.4
	55.5	59.0	47.0	43.6	68.0
	55.3	59.0	48.0	41.3	66.7
	55.4	58.0	49.5	42.3	65.7
	56.5	60.0	50.0	45.5	65.8
	54.5	57.5	48.5	43.0	65.9
	53.6	56.5	48.5	45.1	64.0
	55.7	59.0	48.5	43.1	67.5
	56.7	60.0	49.0	43.7	67.4
	57.6	60.0	52.5	45.6	67.0
	54.8	58.5	47.0	43.6	66.3
	55.0	58.0	49.0	43.6	70.1
	58.7	63.0	48.5	42.7	73.2
	57.8	60.5	48.0	43.2	75.5
	55.1	58.5	47.5	41.2	65.2
	56.7	58.0	47.0	42.0	73.6
	54.9	58.5	47.0	43.6	65.5
	54.7	58.0	46.5	43.4	69.4
	52.7	55.5	47.0	42.4	62.5
	59.4	63.0	49.5	44.6	69.0
	56.2	60.0	48.5	43.2	68.1
	55.4	58.0	50.0	45.4	63.6
	55.0	57.5	49.0	44.1	64.8
	56.9	60.0	48.5	43.7	69.6
	56.7	59.5	48.0	45.4	72.9
	53.0	57.0	46.0	43.7	66.2

57.5	61.0	49.5	46.3	70.5
55.9	59.5	45.0	42.5	70.6
54.0	57.0	45.5	42.4	70.9
55.4	57.5	47.5	45.1	67.6
51.7	55.0	46.0	43.2	61.9
53.1	56.0	48.5	46.5	62.6
52.1	54.5	47.5	43.2	62.4
55.4	58.5	47.5	42.4	66.2
51.6	56.0	44.5	41.2	61.4
50.8	53.5	44.5	39.2	58.9
54.3	55.0	43.5	39.7	68.5
57.1	59.5	48.0	44.6	70.4
54.0	57.5	44.5	39.1	66.6
51.3	53.0	48.0	45.4	61.6
51.3	54.5	46.5	42.7	61.5
54.7	57.0	44.5	39.1	71.2
50.3	54.0	42.5	38.7	62.7
50.4	52.0	45.0	42.4	67.0
50.8	53.5	46.5	43.8	58.2
52.2	56.0	45.5	42.9	60.9
50.6	50.5	44.5	40.7	76.5
55.4	58.0	43.5	39.4	75.1
48.0	50.5	44.0	40.3	59.9
55.8	56.0	44.5	40.4	70.9
50.9	53.5	46.5	43.3	64.9
55.9	60.0	48.5	44.3	74.8
55.1	56.5	46.0	41.0	69.6
49.1	51.5	44.5	41.0	60.1
54.5	58.5	43.0	40.5	67.6
58.7	60.0	47.0	41.6	73.0
49.9	51.5	47.0	43.5	58.0
53.2	56.5	48.5	45.0	62.6
52.3	56.0	44.5	42.0	67.0
55.9	59.0	46.0	43.7	69.2
56.5	58.0	43.5	39.9	70.5
53.9	56.0	47.0	44.2	64.5
54.3	57.0	48.5	45.9	62.5
50.7	53.0	47.0	43.4	57.4
53.9	57.0	47.0	42.5	63.3
53.0	55.0	48.0	44.1	62.1
58.9	63.0	45.0	41.3	69.0
50.0	53.0	44.5	41.6	61.3
57.7	60.0	52.0	48.3	72.9
54.6	57.5	48.5	45.6	63.7
55.3	58.5	48.0	44.6	70.2
51.3	55.0	45.0	42.2	62.0
54.0	57.0	47.5	43.2	63.2
58.7	60.5	49.5	46.4	74.0
55.3	57.0	51.5	48.8	69.6
58.5	61.0	47.0	43.7	71.7
57.3	58.5	47.5	41.6	70.3
55.7	58.5	44.5	40.9	70.8
51.2	53.5	46.0	43.3	68.4
60.4	65.0	48.0	42.8	74.7
53.8	57.0	49.0	45.7	61.8
52.9	56.0	49.0	46.3	60.7
52.0	54.0	46.5	43.6	71.4
51.2	53.5	46.0	43.6	65.6
52.3	56.5	45.0	41.5	61.6
56.5	58.5	45.0	39.6	70.8
55.7	58.5	48.5	44.0	70.8
55.7	58.5	49.0	43.0	64.4
55.0	57.5	49.0	42.3	63.7
56.5	59.0	47.5	43.2	68.2
50.4	53.5	44.0	40.8	62.6
51.6	54.5	42.0	38.8	73.1
53.6	56.0	48.5	45.3	66.4
52.2	54.5	47.0	43.7	66.8
58.0	59.0	47.0	43.6	71.7
54.3	58.0	46.5	40.3	63.4
52.5	55.5	46.0	41.0	66.5
56.1	58.5	47.0	41.3	69.5
54.8	57.0	49.5	46.3	65.0
51.9	55.5	46.0	43.6	61.6
54.4	57.5	48.5	44.6	63.0

53.4	57.0	45.0	41.5	64.3
55.6	58.0	46.0	42.8	68.8
57.6	59.0	45.5	41.9	70.5
56.4	59.5	50.0	45.8	64.7
53.0	56.0	48.0	45.4	64.0
54.3	58.0	48.5	45.4	64.6
50.5	53.0	46.0	42.2	60.5
52.9	56.0	47.5	42.6	60.9
54.8	58.0	49.0	46.1	65.4
51.6	55.0	44.5	42.4	61.7
52.3	55.5	44.5	39.7	60.1
57.2	60.5	47.0	43.2	68.7
50.1	53.5	42.5	38.9	56.6
46.7	49.5	42.0	39.1	53.5
47.1	51.5	40.5	36.0	63.8
59.0	58.5	47.0	43.1	74.3
49.6	53.0	44.5	40.8	55.8
48.4	51.0	43.5	38.2	60.6
54.8	56.5	46.0	44.1	68.9
47.1	49.5	42.5	38.6	55.6
50.1	50.5	42.0	39.8	70.2
51.5	55.0	41.0	38.8	64.0
47.4	50.0	43.0	39.8	54.0
50.8	54.5	44.5	40.3	58.9
56.0	59.0	43.5	40.7	69.0
47.2	49.0	43.5	40.5	54.3
51.4	53.5	46.0	43.3	68.4
52.6	56.0	46.5	43.8	60.1
49.6	53.0	43.5	41.5	57.9
43.4	45.5	39.5	36.8	51.8
53.6	58.5	41.0	37.9	64.2
51.8	54.5	47.0	44.9	59.6
54.4	54.0	44.5	41.1	67.8
53.6	58.5	44.0	41.5	62.1
52.1	57.0	44.5	41.8	65.1
52.3	57.5	44.0	39.1	61.1
57.4	60.5	50.0	46.3	72.7
44.3	46.0	41.5	38.7	54.8
47.0	47.0	41.0	36.8	66.1
56.4	60.0	45.5	41.2	66.7
56.5	60.0	47.5	44.2	67.4
49.4	52.0	44.0	41.2	60.1
53.3	58.0	45.5	44.2	64.4
54.8	58.5	41.0	37.8	69.6
44.9	47.0	42.0	39.3	49.2
52.8	57.0	47.5	44.7	62.9
48.7	52.5	41.5	38.4	58.7
51.3	53.5	47.0	43.0	63.4
56.4	60.5	46.0	41.4	68.4
50.4	54.0	44.5	41.8	57.8
47.7	50.0	42.5	39.9	57.0
54.7	59.0	43.5	41.0	63.9
51.2	53.5	43.5	40.6	63.4
45.4	47.5	41.5	38.7	51.4
54.3	54.5	41.5	39.0	67.7
51.9	56.0	41.5	38.9	59.6
46.2	49.0	42.5	40.6	55.4
53.5	58.0	43.0	39.7	64.6
53.3	57.0	44.5	41.3	62.4
47.5	49.5	44.0	40.8	63.7
51.9	56.5	43.5	40.8	60.2
54.1	55.0	42.5	40.0	69.1
51.0	55.5	45.5	42.9	59.5
49.4	51.5	45.0	42.1	55.2
51.3	55.0	43.0	39.8	62.5
43.9	45.0	40.5	38.2	63.5
54.5	54.5	45.5	42.9	68.0
50.4	52.0	47.0	44.9	56.7
50.3	54.0	43.5	41.2	58.8
54.4	58.0	46.0	43.2	61.5
51.6	56.0	44.0	41.9	65.2
49.7	53.5	41.0	39.4	56.4
54.9	56.0	42.5	40.7	69.7
51.5	55.5	44.5	41.4	59.8
53.1	57.0	45.0	43.2	64.5

	51.1	55.0	44.0	40.7	59.6
	49.6	53.5	43.0	39.2	58.4
	46.0	50.0	41.0	38.7	54.4
	51.7	54.5	45.5	42.5	57.8
	48.3	51.5	42.5	39.0	53.8
	47.7	51.0	42.0	39.6	55.6
	53.3	58.0	44.5	41.7	61.7
	50.1	52.5	46.0	42.6	56.7
	52.3	57.0	42.5	40.2	61.3
	45.3	48.5	40.0	37.1	55.2
	45.3	49.5	40.0	37.2	52.6
	46.1	48.5	40.5	38.3	55.4
	52.2	56.0	41.5	37.9	60.4
	49.8	52.0	47.0	44.3	56.0
	46.6	49.5	42.5	39.4	52.6
	48.2	50.5	41.5	38.8	54.6
	44.6	47.5	39.5	37.6	56.5
	43.9	46.5	40.0	37.3	52.2
	49.2	52.0	44.5	41.1	56.4
	47.7	53.0	39.0	36.8	56.5
	44.5	48.5	39.0	36.3	52.5
	52.7	57.5	44.0	40.9	60.2
	43.5	45.5	40.0	38.7	54.8
	47.4	51.0	41.0	39.0	59.2
	53.5	57.5	41.0	38.4	64.9
	43.0	45.5	38.5	35.5	51.7
	49.7	55.5	36.5	34.1	59.0
	39.6	42.5	35.5	---.-	45.6
	37.2	38.5	35.5	33.4	42.3
	44.5	46.5	37.5	34.8	57.0
	53.3	55.5	49.0	46.6	60.6
	46.9	50.5	39.0	36.9	55.9
	39.2	41.0	35.5	33.4	44.5
	38.7	41.0	35.5	33.4	44.8
U	37.7	39.5	35.0	---.-	44.2
U	44.0	49.0	34.0	---.-	56.6
U	45.9	48.5	32.5	---.-	58.5
U	47.5	52.5	33.0	---.-	56.6
	39.6	43.5	35.5	33.0	46.3
	46.6	50.5	40.0	38.0	54.7
	41.9	42.0	36.5	34.2	65.5
	40.9	44.5	36.5	34.7	50.7
	52.4	56.5	42.0	38.2	62.1
U	41.1	43.5	35.0	---.-	51.0
U	35.8	38.0	32.5	---.-	50.6
U	---.-	33.5	---.-	---.-	39.1
U	---.-	---.-	---.-	---.-	39.7
U	34.3	39.0	---.-	---.-	45.3
U	45.0	50.5	32.5	---.-	54.5
U	47.8	51.5	32.5	---.-	55.7
U	---.-	34.5	---.-	---.-	44.9
U	35.4	38.5	---.-	---.-	45.7
U	39.1	41.5	34.0	---.-	49.7
U	46.6	50.5	37.5	---.-	57.2
	50.6	55.5	39.0	36.7	59.6
U	38.5	40.5	35.0	---.-	46.9
U	37.8	39.0	35.5	---.-	51.3
	39.0	42.0	36.0	33.9	44.7
	45.5	47.0	42.0	39.9	49.5
U	40.9	45.5	33.5	---.-	49.3
	50.9	55.5	39.5	36.4	60.3
	45.7	50.0	39.0	36.7	54.2
	45.8	49.5	38.5	33.2	53.9
U	42.2	45.0	35.0	---.-	52.8
	45.8	49.5	38.0	34.5	51.9
	46.5	49.0	39.5	37.5	51.2
	49.9	55.5	36.5	34.4	59.5
U	35.6	38.5	---.-	---.-	41.8
U	---.-	33.5	---.-	---.-	38.5
U	48.9	55.0	---.-	---.-	59.4
	39.2	41.5	36.5	34.0	45.2
U	---.-	35.5	---.-	---.-	39.3
U	42.1	45.5	33.0	---.-	48.3
U	34.0	36.5	---.-	---.-	44.2
U	42.2	46.0	33.0	---.-	49.1

U	35.5	39.0	---.-	---.-	42.5
	37.4	38.5	35.5	33.5	44.0
U	35.0	36.5	32.5	---.-	41.7
	47.4	51.0	40.0	37.5	56.5
	44.7	49.0	38.0	34.0	55.1
	45.0	50.0	36.5	34.5	57.8
	38.6	41.0	34.5	32.0	46.2
	46.1	48.5	39.5	36.9	51.4
	39.1	41.0	37.0	35.8	44.2
	47.8	51.5	37.5	35.1	56.5
	47.0	52.5	39.0	36.1	56.8
U	39.8	44.0	---.-	---.-	55.1
U	35.8	37.5	32.0	---.-	49.0
U	38.5	42.5	---.-	---.-	55.8
	49.2	51.5	39.0	35.8	66.5
	50.8	55.0	37.0	33.9	65.1
	49.0	52.0	40.5	37.7	63.9
	54.6	58.0	47.5	43.1	69.2
	53.4	57.0	44.5	41.7	68.8
	52.7	56.0	46.5	43.7	65.3
	52.1	54.0	48.0	43.8	65.7
	54.7	58.0	47.5	42.1	66.7
	51.6	55.0	45.5	42.6	64.2
	52.3	55.5	46.0	43.3	66.5
	53.3	56.5	45.0	41.9	66.4
	53.7	57.5	47.0	42.3	64.4
	52.3	55.5	44.5	39.6	65.4
	54.2	57.5	47.5	42.6	66.7
	55.6	59.5	45.5	41.3	68.0
	53.5	57.0	44.5	38.5	66.4
	55.3	59.5	44.5	37.9	66.2
	54.7	59.0	46.5	41.0	66.6
	49.3	51.5	42.5	39.6	66.4
	53.6	56.5	47.0	41.0	66.0
	55.8	59.0	49.5	45.0	66.2
	54.1	57.0	48.5	45.0	64.6
	52.3	55.0	47.0	42.7	60.8
	59.9	63.0	49.0	44.4	76.5
	55.2	58.5	48.5	43.6	68.8
	54.5	58.0	47.5	41.2	68.0
	57.6	61.0	49.5	45.3	65.7
	54.2	57.5	48.5	45.6	64.5
	53.6	56.5	49.0	45.0	65.2
	52.9	56.0	46.5	42.5	62.6
	58.8	60.5	48.5	43.9	73.6
	55.6	58.0	45.5	40.8	72.5
	53.6	56.5	47.0	43.6	65.2
	58.3	57.5	47.5	43.1	84.1
	53.4	56.0	47.0	41.9	65.6
	55.3	56.5	46.0	42.6	69.7
	54.8	58.0	47.0	43.2	69.0
	55.9	59.5	46.5	43.1	74.2
	55.8	59.0	50.5	46.1	67.5
	54.9	58.0	48.0	42.9	65.7
	55.6	58.5	48.5	43.2	68.1
	55.1	58.5	48.5	44.2	66.0
	58.7	61.0	48.0	45.0	72.5
	55.2	57.5	50.5	48.9	63.0
	58.6	62.0	51.0	43.7	67.3
	54.4	57.5	47.0	42.1	67.6
	54.9	56.0	46.5	43.1	69.3
	48.6	50.5	44.5	40.6	58.6
	57.8	60.0	44.5	42.2	73.3
	53.2	56.0	47.0	42.3	62.9
	49.5	52.0	45.0	41.1	60.4
	50.1	53.5	45.5	43.0	59.7
	51.4	53.5	47.0	44.2	57.9
	54.8	53.5	46.5	44.6	71.5
	59.9	64.5	46.5	43.5	74.7
	52.3	55.0	46.5	44.0	63.7
	52.9	55.5	47.5	45.2	63.1
	48.8	51.0	44.0	40.0	59.1
	50.0	52.5	46.0	43.5	61.2
	55.4	56.0	48.5	44.8	69.9
	50.0	52.0	46.5	45.1	57.9

58.3	57.0	47.0	43.1	75.6
54.3	57.0	48.5	45.5	68.2
50.9	53.5	46.0	42.6	64.8
49.5	52.5	44.5	40.0	60.4
54.5	58.0	44.5	40.9	68.2
58.1	60.5	45.5	42.1	77.1
51.9	54.5	47.0	43.8	62.5
49.3	51.0	46.0	42.9	58.5
50.2	52.5	46.0	42.8	58.4
55.4	58.0	43.5	40.3	70.1
50.0	50.5	45.0	42.0	65.4
57.2	58.0	47.0	43.5	75.1

Br el & Kj◀r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME:	005.M24

SETTINGS:

Serial no:	2285721
Range:	32.0 - 112.0 dB
Peaks Over:	140 dB
2nd Exch. Rate:	4 dB
Period Time:	Normal
Logged Every:	05:00
Detector 1 (RMS)	
Bandwidth:	Broad Band
Freq. Wgt.:	A
Detector 2 (Br.Band)	
Weighting:	Peak/C
Sound Incidence:	Frontal
Windscreen Correction:	Off

CALIBRATION:

Micr.:	2588103
Sensitivity:	-30.8 dB
Date:	2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date	2014 Jan 29
Start Time	12:46:52
Elapsed Time	22:00:02
Overload	0.0 %
Underrange	2.2 %

RMS MEASUREMENT RESULTS:

Bandwidth:	Broad Band
Freq. Wgt.:	A

LFMax	97.9 dB
LSMax	90.7 dB
LIMax	101.6 dB
LFMin	---.- dB
LSMin	---.- dB
LIMin	---.- dB
LAFTm5	62.3 dB
Leq	53.4 dB
LIeq	61.2 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.:	C

#Peaks	0
Lpkmax	108.9 dB

LOGGED RESULTS (1 of 1):

Marker	LAeq	LAF10	LAF90	LAFMin	LAFMax
OU1234	dB	dB	dB	dB	dB
	58.0	60.5	42.5	40.0	76.4
	51.8	55.0	46.5	43.3	63.7
	49.5	52.0	43.0	41.2	60.8
	49.4	51.0	44.0	40.8	72.3
	47.2	49.5	42.0	40.1	64.9
	45.5	47.0	42.0	40.3	62.9
	57.5	58.0	43.5	41.4	75.7
	47.5	49.5	43.5	40.2	62.7
	52.8	52.5	44.0	41.0	72.5
	52.2	55.0	43.0	40.7	71.7
	53.3	50.0	41.0	39.5	73.9
	45.5	47.5	41.5	40.0	63.6
	48.4	51.5	43.0	41.3	63.1
	49.0	51.5	44.5	41.6	55.0
	56.5	61.5	43.0	40.6	65.8
	48.9	51.0	45.5	41.7	58.9
	54.5	57.0	45.5	41.8	67.5
	59.3	59.0	51.5	50.8	77.2
	55.3	57.0	52.5	51.3	73.0
	55.1	57.5	52.5	51.4	70.0
	54.5	55.5	46.5	44.1	72.0
	55.1	57.5	45.0	42.2	71.9
	47.1	49.5	42.5	40.3	60.4
	57.3	58.0	43.5	40.5	73.7
	52.3	55.0	45.0	41.9	71.5
	50.7	53.0	46.0	42.9	64.2
	50.5	53.0	45.5	42.7	62.6
	47.6	50.5	43.0	41.2	58.7
	55.8	57.5	46.5	42.8	74.1
	52.4	55.5	46.0	42.7	65.0
	55.0	56.0	53.0	52.2	70.4
	55.7	56.5	52.5	51.8	73.2
	53.6	55.5	44.5	41.2	74.3
	50.7	53.5	46.0	42.1	62.4
	48.7	51.5	42.5	40.4	63.9
	52.9	57.5	41.5	39.7	66.3
	57.9	59.5	42.5	40.2	75.1
	50.4	53.0	44.5	40.6	70.4
	51.1	53.5	47.5	45.8	60.0
	51.6	55.0	44.5	41.5	62.6
	56.3	58.0	53.5	52.1	70.8
	56.2	57.0	54.0	53.2	71.0
	58.7	62.5	45.0	41.9	72.2
	56.7	61.0	47.5	43.7	70.6
	54.3	57.0	47.5	43.3	67.1
	53.0	55.0	46.0	43.6	68.2
	54.5	55.5	44.0	40.7	72.7
	57.4	61.5	43.0	40.8	71.7
	51.6	56.0	42.0	39.9	66.2
	51.2	53.5	46.5	43.6	61.3
	50.0	53.5	45.0	41.3	62.1
	49.0	51.5	44.5	42.1	56.8
	54.6	56.5	43.5	40.8	69.2
	54.1	57.5	43.5	41.5	72.5
	47.6	50.5	42.0	40.0	63.1
	50.3	53.5	45.5	43.4	62.2
	58.7	62.5	45.0	41.4	74.0
	56.7	60.5	44.5	41.7	71.2
	48.2	50.5	42.0	40.4	66.1
	53.2	57.0	43.0	41.1	68.4
	52.9	56.5	41.0	39.2	67.5
	47.0	49.0	44.0	41.6	62.5
	46.8	48.5	42.0	40.0	65.1
	47.1	49.5	41.5	38.7	64.2
	52.6	53.5	38.5	34.5	68.0
	43.8	46.5	38.5	35.7	54.6
	45.8	49.0	41.0	38.2	58.4

	47.6	51.0	40.5	38.0	58.2
	48.6	49.5	41.0	36.8	70.3
	51.2	54.5	42.0	36.8	59.3
	44.1	46.5	39.5	37.5	53.1
	53.7	52.5	39.0	37.0	69.0
	46.1	49.0	38.5	34.3	53.4
	48.7	52.5	41.5	39.3	57.5
	47.0	50.0	41.5	38.7	55.4
	50.9	47.0	37.0	34.2	68.7
	55.6	58.0	42.5	38.7	70.3
	45.7	48.0	42.0	38.5	52.7
	46.5	50.0	39.5	36.1	54.0
	46.7	51.0	39.5	35.5	57.5
	43.1	45.5	39.0	36.3	52.0
	53.8	53.5	41.5	36.5	68.2
	52.8	55.5	39.5	36.0	69.2
	43.2	46.0	38.5	34.8	50.2
	49.8	53.5	41.0	38.1	59.3
	57.9	60.5	46.0	41.9	70.2
	47.6	49.0	40.0	36.8	68.2
	51.4	57.5	37.5	35.2	63.0
	47.3	51.0	40.0	38.1	56.7
	53.6	54.5	42.0	38.9	68.9
	53.5	58.5	44.5	39.0	63.8
	52.7	57.0	44.5	41.7	60.9
	48.4	49.5	40.0	37.4	64.9
	55.8	59.5	42.0	38.6	72.9
	56.0	60.5	41.0	37.4	71.1
	49.8	49.0	42.0	37.3	65.4
	51.0	54.5	44.5	41.7	58.5
	48.5	52.0	40.0	37.3	62.5
	44.2	45.0	38.5	35.8	68.7
	48.3	53.0	37.0	32.8	60.0
	53.4	53.0	40.5	37.6	68.3
	45.7	49.0	40.5	37.6	54.5
	50.1	53.5	44.0	40.9	58.4
	48.5	51.5	42.5	37.0	58.0
	46.3	49.0	41.0	37.2	57.8
	47.8	50.5	40.5	35.1	57.6
	55.9	59.0	42.0	38.2	69.6
	46.5	50.0	40.0	36.5	57.3
	52.4	55.5	45.0	40.6	62.6
	48.3	52.0	42.5	39.0	56.2
	49.6	52.5	43.5	38.6	56.5
	45.2	49.0	38.0	35.6	56.1
	54.0	55.0	41.0	36.2	70.0
	45.5	50.0	40.0	36.4	53.3
	50.8	54.0	44.0	41.3	60.6
	46.8	50.0	42.0	39.7	53.5
	44.5	47.0	39.5	36.7	54.7
	47.1	50.5	40.0	34.9	56.3
	53.7	53.0	42.5	37.7	69.7
	47.0	49.5	40.5	36.1	70.5
	49.7	53.5	42.5	38.2	58.2
	48.2	51.5	39.0	35.6	56.5
	43.5	46.0	38.0	34.2	52.0
	53.6	54.0	38.0	35.7	68.6
	45.4	48.0	39.5	37.0	54.4
	43.7	47.0	37.5	34.1	52.2
	50.2	54.5	38.5	34.6	60.0
	44.8	47.5	39.5	35.3	57.6
	42.2	45.0	37.0	34.2	47.7
	51.3	56.0	40.0	37.1	62.5
	42.7	45.5	37.0	33.8	56.3
	47.1	50.5	38.5	35.9	59.2
	49.7	54.5	39.0	35.2	60.3
	48.9	52.5	43.0	40.2	57.4
	50.8	54.5	43.5	40.0	64.1
	44.7	47.5	40.0	36.0	53.8
	46.3	49.0	41.0	37.6	56.0
	46.2	50.5	37.0	34.5	58.1
	51.3	55.5	44.5	41.1	61.3
	49.1	54.0	41.0	38.1	58.0
	42.4	45.0	37.0	34.0	50.8
U	38.7	39.0	34.5	---.-	55.0

U	39.2	41.5	33.5	---.-	51.7
U	44.1	48.5	33.5	---.-	56.3
	50.0	55.0	40.5	34.5	59.8
	45.8	49.0	41.0	38.3	52.3
	46.2	48.5	42.0	38.2	53.3
	42.8	45.5	37.0	33.6	53.0
U	38.6	41.0	35.5	---.-	45.1
U	38.8	43.0	34.0	---.-	47.6
U	40.3	44.0	34.5	---.-	47.6
U	49.7	55.5	34.5	---.-	62.6
U	39.8	40.5	32.0	---.-	55.9
U	46.0	51.5	34.0	---.-	58.3
	39.8	42.0	36.0	33.6	46.6
	45.4	48.0	39.5	34.3	51.8
	48.1	52.5	37.5	33.2	55.8
U	44.6	49.5	34.0	---.-	54.4
U	45.3	50.5	34.0	---.-	56.6
	41.5	42.5	39.5	36.2	45.3
	43.3	46.0	38.5	34.8	49.1
	44.5	48.5	35.5	33.2	55.3
	49.1	56.0	36.5	34.2	59.5
U	36.8	41.0	---.-	---.-	47.0
U	39.5	43.0	33.0	---.-	45.8
U	38.2	40.5	33.5	---.-	49.0
U	35.0	37.5	---.-	---.-	42.0
U	34.1	37.5	---.-	---.-	43.5
U	34.1	37.5	---.-	---.-	42.4
U	43.0	49.0	---.-	---.-	53.8
	47.5	52.5	38.0	35.6	66.0
U	37.5	40.5	33.0	---.-	45.1
U	33.8	36.5	---.-	---.-	39.8
U	36.9	40.0	---.-	---.-	59.0
U	45.2	50.0	35.5	---.-	53.7
U	40.4	43.5	33.0	---.-	53.1
	48.7	51.5	39.5	34.8	57.9
U	32.1	36.0	---.-	---.-	44.6
U	39.7	43.0	---.-	---.-	53.1
	47.0	50.5	38.0	34.7	55.7
	52.1	57.5	39.5	35.8	63.9
U	42.0	45.0	34.5	---.-	53.0
U	34.1	37.0	---.-	---.-	41.6
U	34.6	38.0	---.-	---.-	44.5
U	34.5	37.5	---.-	---.-	45.1
U	38.9	44.5	---.-	---.-	51.1
	42.7	48.0	34.5	---.-	53.7
U	37.6	41.0	---.-	---.-	46.0
U	32.3	36.0	---.-	---.-	45.4
U	35.2	40.0	---.-	---.-	48.7
U	37.6	44.0	---.-	---.-	47.4
U	44.2	48.0	32.5	---.-	54.2
	51.9	58.0	37.0	34.3	62.4
U	39.8	43.5	32.5	---.-	52.2
U	33.2	36.0	---.-	---.-	40.8
U	40.1	44.5	---.-	---.-	51.8
U	49.3	55.0	---.-	---.-	59.5
U	39.9	45.0	32.5	---.-	50.0
U	41.1	47.0	32.5	---.-	50.9
	41.8	44.0	38.0	34.0	47.6
U	43.6	47.0	33.0	---.-	50.6
U	32.6	36.0	---.-	---.-	40.0
U	35.0	37.0	---.-	---.-	50.6
U	42.6	47.0	33.5	---.-	53.4
	45.2	47.5	34.5	32.9	60.1
U	48.5	53.5	33.0	---.-	60.5
	42.7	44.5	39.5	36.7	48.5
U	43.1	46.5	35.0	---.-	49.1
	43.8	47.0	35.0	33.0	52.1
U	39.6	44.0	33.0	---.-	52.9
	39.1	40.5	37.0	35.3	48.9
	51.7	57.0	39.0	37.5	61.3
	44.7	47.0	40.5	37.8	52.6
	45.1	47.5	38.5	35.3	58.0
	41.2	44.5	37.0	35.1	54.7
	44.7	46.0	42.5	40.6	49.3
	45.2	48.5	37.5	35.1	56.2

49.0	52.0	41.0	37.8	65.9
50.3	52.5	45.0	43.3	65.0
50.8	55.0	44.0	41.8	63.6
52.4	54.5	46.0	43.0	67.3
51.5	54.0	45.0	43.0	65.9
52.1	55.0	46.0	42.8	64.2
53.2	56.5	47.0	43.0	63.3
54.6	57.5	47.5	43.1	67.6
55.1	58.0	49.5	44.4	66.6
53.2	56.0	47.5	42.7	66.0
57.0	60.5	48.5	42.8	69.3
57.0	59.0	49.5	44.6	75.4
57.0	60.0	49.5	44.1	73.3
52.6	56.0	46.5	41.9	71.8
57.5	61.5	47.5	41.8	66.8
71.2	62.5	46.5	40.8	97.9
53.1	56.5	44.5	40.1	66.1
54.8	58.5	46.0	40.8	67.4
53.2	56.5	47.0	40.3	68.9
55.9	60.0	46.5	41.7	66.4
56.8	60.5	49.5	45.2	66.8
55.6	59.0	49.5	45.6	66.3
51.8	55.5	44.5	38.1	63.8
53.7	57.0	45.0	38.9	68.7
55.0	58.0	47.5	39.8	66.8
54.8	58.0	48.0	44.4	71.2
53.4	57.0	45.5	40.5	65.9
50.1	53.0	44.0	39.0	63.7
58.1	59.5	45.5	41.7	73.6
58.2	61.0	47.0	40.6	75.1
54.8	58.0	46.5	43.5	69.5
53.5	57.5	46.0	42.4	68.2
57.7	61.5	45.5	40.0	70.0
56.9	59.5	47.0	38.2	68.2
58.4	62.5	53.5	50.6	66.6
59.2	63.0	53.0	51.7	67.8
58.6	60.0	52.0	46.8	75.4
56.6	60.5	47.5	41.9	69.3
58.6	61.0	45.0	40.2	77.1
59.6	62.0	54.0	44.5	71.7
61.1	65.5	46.5	41.7	76.9
56.1	58.5	50.5	47.4	73.1
58.4	62.5	46.5	41.9	73.7
55.4	59.5	45.5	42.2	68.5
57.3	60.0	46.5	40.5	71.4
51.4	54.5	44.0	38.7	66.4
55.2	58.5	46.0	41.0	67.9
51.8	54.5	46.0	45.4	57.8

Br el & Kj◀r
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0

FILENAME: 006.M24

SETTINGS:

Serial no: 2285721
Range: 32.0 - 112.0 dB
Peaks Over: 140 dB
2nd Exch. Rate: 4 dB
Period Time: Normal
Logged Every: 05:00
Detector 1 (RMS)
  Bandwidth: Broad Band
  Freq. Wgt.: A
Detector 2 (Br.Band)
  Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:

Micr.:	2588103
Sensitivity:	-30.8 dB
Date:	2013 Dec 23 18:13:39

OVERALL RESULTS:

Start Date	2014 Jan 30
Start Time	10:48:29
Elapsed Time	49:49:10
Overload	0.0 %
Underrange	3.4 %

RMS MEASUREMENT RESULTS:

Bandwidth:	Broad Band
Freq. Wgt.:	A
LFMax	97.7 dB
LSMax	90.0 dB
LIMax	100.4 dB
LFMin	---.- dB
LSMin	---.- dB
LIMin	---.- dB
LAFTm5	60.3 dB
Leq	53.7 dB
LIeq	59.7 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.:	C
#Peaks	0
Lpkmax	109.0 dB

LOGGED RESULTS (1 of 1):

Marker	LAeq	LAF10	LAF90	LAFMin	LAFMax
OU1234	dB	dB	dB	dB	dB
	56.8	59.0	47.5	43.9	80.5
	52.2	53.5	47.0	42.0	68.0
	51.1	54.5	45.5	42.0	64.1
	53.8	56.0	46.0	42.1	69.1
	52.3	55.0	42.5	38.4	69.4
	56.9	57.5	40.0	36.7	75.7
	52.0	54.5	44.5	40.4	68.9
	51.2	51.5	43.0	40.3	67.9
	48.5	51.5	42.0	37.2	57.3
	55.8	57.5	45.5	40.3	70.3
	48.1	51.0	43.0	39.6	56.6
	55.9	59.0	43.0	37.7	73.1
	54.6	57.5	47.0	42.3	69.0
	54.6	57.0	47.5	43.7	67.8
	50.4	53.0	41.5	37.9	67.0
	54.0	53.0	40.0	36.4	72.3
	52.3	57.0	42.0	35.8	63.2
	58.3	60.5	41.5	37.0	75.3
	54.5	57.0	46.0	41.1	71.9
	48.5	52.0	42.0	36.8	62.0
	50.5	55.0	41.5	37.4	63.4
	55.0	58.0	41.5	37.2	70.8
	48.1	52.0	40.5	37.2	64.4
	49.3	53.0	42.5	39.4	61.8
	53.7	56.5	43.5	37.2	67.6
	49.9	52.5	44.5	39.0	60.2
	47.2	50.5	42.0	39.0	60.7
	50.4	53.5	41.5	37.2	69.4
	47.4	49.5	40.5	37.1	70.7
	56.6	56.0	42.5	37.0	73.4
	48.9	51.5	43.0	38.7	59.2

46.4	48.5	41.5	37.9	56.8
52.0	56.0	43.5	38.8	60.8
54.5	54.0	41.0	37.8	73.8
47.1	50.0	39.5	35.5	63.6
49.2	53.5	41.0	37.7	59.2
46.9	50.0	41.5	36.6	56.0
48.0	50.5	42.0	38.5	61.6
46.1	49.0	41.0	37.9	55.9
47.3	50.0	41.5	35.2	59.9
48.1	51.0	39.0	35.1	64.1
56.8	58.0	43.0	37.6	73.9
57.8	61.5	47.5	40.0	65.2
48.9	51.5	44.0	40.1	57.8
48.9	50.5	43.5	39.6	63.7
51.9	52.0	40.5	37.6	68.0
47.2	50.5	40.5	37.3	57.5
58.9	61.5	44.0	39.5	73.9
55.5	59.0	47.5	40.9	64.9
51.3	54.0	47.5	41.9	61.9
53.1	57.0	45.5	41.5	65.4
55.4	58.0	44.5	40.1	70.5
49.0	51.5	44.5	37.7	60.2
48.8	52.0	43.5	38.6	60.8
52.9	55.5	45.5	40.4	68.3
49.8	52.0	45.5	42.4	62.3
53.9	56.0	47.5	40.7	66.6
55.1	60.0	43.5	39.2	69.6
53.0	57.0	43.5	40.2	68.5
54.9	59.0	44.0	39.1	68.6
51.0	54.0	44.5	38.9	62.8
57.7	59.0	43.5	40.6	72.5
48.0	50.5	42.0	38.6	64.5
51.4	56.0	41.0	38.1	63.1
55.3	58.0	44.0	41.1	68.8
54.3	57.5	46.5	43.3	66.0
55.2	59.0	47.5	44.1	68.2
56.2	60.0	46.0	41.9	67.5
57.0	61.0	45.5	40.7	69.2
52.2	56.0	45.0	41.9	64.8
52.9	57.5	45.0	41.1	64.7
54.7	58.0	48.0	43.0	63.8
54.5	58.0	47.5	42.2	63.4
52.8	55.5	49.0	45.7	61.6
52.6	55.0	48.0	45.4	62.3
58.8	63.0	47.5	42.5	71.5
58.1	62.5	46.5	41.4	70.0
53.8	57.0	46.0	41.3	66.7
59.3	59.0	49.0	45.8	74.5
52.5	55.5	45.5	40.8	72.3
51.5	54.5	44.0	41.1	73.5
55.4	57.5	45.5	39.1	68.5
59.9	63.0	45.0	40.3	74.2
51.8	54.5	44.0	39.9	72.6
56.4	59.5	49.5	46.6	74.7
52.1	55.0	46.0	43.1	61.8
48.4	53.5	38.5	34.3	58.3
53.6	50.5	41.0	36.5	69.5
51.5	57.0	41.5	39.1	61.1
49.4	53.0	44.5	41.1	59.5
53.6	56.5	48.0	44.8	61.4
52.6	56.5	43.5	39.8	61.6
50.3	53.5	44.5	41.5	59.9
54.3	57.0	44.0	42.3	68.2
48.8	52.0	43.0	40.3	56.0
49.4	53.5	42.0	40.3	60.1
54.2	57.5	46.0	42.4	65.5
52.1	54.0	45.5	43.1	67.4
44.6	47.0	40.5	38.5	51.3
46.1	50.0	39.0	36.7	61.2
54.0	56.5	41.0	38.8	68.6
52.2	55.5	42.5	40.9	66.1
49.3	52.0	44.5	41.6	54.9
47.8	51.0	42.0	39.2	58.8
46.2	49.0	41.5	39.2	57.7
54.3	55.5	42.0	39.1	68.1

	50.1	50.5	42.0	39.9	67.1
	51.0	53.0	43.5	41.5	67.9
	51.5	54.0	45.5	42.7	63.9
	45.6	48.0	41.5	39.5	53.4
	41.1	43.5	38.5	36.2	49.3
	49.8	55.0	37.0	35.3	61.6
	46.1	49.0	41.5	38.0	52.8
	51.7	56.5	41.5	40.1	63.9
	57.4	55.0	44.0	39.6	71.4
	51.5	56.0	43.0	40.7	62.6
	45.6	48.0	42.0	39.5	51.3
	54.3	56.5	39.5	36.8	68.4
	47.3	49.5	40.5	38.5	63.4
	50.1	52.0	42.0	39.4	66.2
	55.4	59.5	46.5	42.7	69.4
	43.4	45.5	40.0	37.5	53.7
	42.2	44.5	38.5	36.8	52.2
	50.5	56.0	38.0	35.1	60.1
	46.3	48.5	41.5	37.4	51.6
	58.1	59.5	44.5	41.0	72.0
	50.9	55.0	44.5	42.5	59.7
	52.4	57.0	42.5	40.3	60.6
	46.7	50.0	41.5	39.3	53.4
	52.0	53.5	43.0	40.6	65.1
	53.7	58.5	44.0	42.3	64.7
	55.5	58.0	47.5	45.4	68.2
	49.4	52.5	45.0	42.3	58.4
	51.1	54.0	44.5	42.1	60.8
	46.3	49.5	41.0	37.3	60.0
	50.7	54.5	40.0	37.9	69.3
	45.3	47.5	42.5	40.4	50.2
	50.2	54.5	40.5	38.0	58.1
	58.0	59.5	44.0	40.7	71.7
	49.8	56.0	40.0	37.9	60.1
	46.9	50.5	41.0	38.4	54.7
	54.5	54.5	42.5	38.3	68.0
	46.3	48.5	43.5	41.3	52.1
	47.7	50.5	43.0	40.9	55.9
	50.4	54.5	43.0	40.3	56.8
	50.2	55.0	40.0	38.3	61.7
	47.0	50.5	41.0	38.0	58.9
	54.1	54.0	40.0	37.8	67.9
	46.1	48.5	42.0	39.3	57.2
	50.4	55.5	41.5	39.9	58.2
	48.3	51.5	42.5	39.8	55.3
	49.3	54.5	41.5	38.2	58.4
	50.2	56.0	40.0	37.5	59.2
	44.4	47.0	40.0	37.7	54.7
	43.7	46.0	40.5	37.9	51.3
	50.1	54.5	40.5	37.8	58.8
	51.6	56.0	39.0	35.3	61.8
	50.3	54.0	40.5	38.0	58.3
	46.3	48.5	42.5	40.7	54.7
	51.6	56.5	36.5	34.1	61.9
	44.9	50.0	38.5	36.3	57.5
	51.9	57.0	40.5	37.7	61.3
	51.7	55.5	44.0	40.8	62.5
	47.3	51.5	40.0	37.0	56.3
	45.2	49.5	38.0	35.4	60.0
	44.8	48.5	36.5	34.1	61.6
	44.1	47.5	37.0	33.5	57.7
	49.0	52.5	39.5	36.3	61.1
	50.4	55.0	41.5	38.1	58.9
	41.3	43.5	35.5	33.4	53.4
	47.7	51.0	41.0	38.6	59.3
	47.1	50.5	39.5	35.5	59.2
U	37.2	39.5	34.0	---.-	44.9
U	49.5	55.0	36.0	---.-	58.0
	53.1	57.5	39.0	35.9	77.5
	41.6	44.5	35.0	---.-	56.2
U	34.9	36.5	32.5	---.-	47.7
U	35.0	36.5	33.0	---.-	40.9
U	39.2	42.0	35.0	32.0	45.9
	47.6	52.0	37.5	34.8	54.9
	51.7	57.0	37.0	33.9	62.1

U	37.4	39.0	35.0	---.-	42.7
U	42.5	46.5	32.5	---.-	51.2
	42.5	45.0	37.5	34.8	52.6
	39.7	41.5	37.0	34.3	47.6
	52.1	55.0	39.0	37.2	74.5
U	39.2	40.5	33.0	---.-	55.4
U	33.8	36.5	---.-	---.-	43.7
U	38.8	43.0	---.-	---.-	46.6
U	38.7	41.5	33.5	---.-	52.1
U	33.2	35.0	---.-	---.-	43.0
U	33.2	37.0	---.-	---.-	42.5
U	50.9	56.0	32.5	---.-	61.5
U	35.8	37.0	33.5	---.-	49.5
U	---.-	33.5	---.-	---.-	37.5
U	---.-	34.0	---.-	---.-	37.5
U	34.1	37.5	---.-	---.-	43.0
U	42.9	48.0	---.-	---.-	53.3
U	42.1	46.0	34.5	---.-	51.0
U	34.9	37.5	---.-	---.-	40.7
U	33.4	35.5	---.-	---.-	38.3
U	34.5	36.5	---.-	---.-	39.7
U	42.8	48.5	33.0	---.-	51.3
	48.5	53.0	34.5	32.9	58.4
U	38.1	41.5	34.0	---.-	46.2
U	33.0	35.0	---.-	---.-	38.5
U	32.1	34.5	---.-	---.-	38.3
U	34.0	36.0	---.-	---.-	39.1
U	---.-	34.5	---.-	---.-	37.8
U	35.3	36.0	---.-	---.-	55.6
	43.9	48.0	36.5	34.6	51.7
U	42.1	46.5	34.0	---.-	51.3
U	32.6	34.5	---.-	---.-	39.2
U	32.3	35.0	---.-	---.-	45.1
U	33.0	37.5	---.-	---.-	43.2
U	36.3	40.5	---.-	---.-	44.1
U	37.8	40.5	34.0	---.-	45.3
U	36.7	38.5	---.-	---.-	47.1
U	47.4	52.5	33.0	---.-	58.5
U	47.9	53.5	33.5	---.-	58.4
U	34.6	36.5	32.5	---.-	42.2
U	---.-	33.0	---.-	---.-	36.7
U	44.2	47.5	33.0	---.-	51.8
U	40.4	45.0	33.0	---.-	49.5
U	36.1	39.0	32.5	---.-	46.7
U	33.6	35.5	---.-	---.-	43.6
U	---.-	34.0	---.-	---.-	41.1
U	---.-	35.0	---.-	---.-	42.9
U	---.-	34.5	---.-	---.-	40.6
U	---.-	33.0	---.-	---.-	37.7
U	---.-	---.-	---.-	---.-	38.3
U	47.0	52.0	---.-	---.-	60.4
	47.4	49.5	43.0	38.5	53.7
	47.9	49.0	38.0	35.7	63.5
	52.2	57.5	37.0	34.7	63.1
	42.4	45.5	36.5	33.9	49.6
U	43.8	48.0	33.5	---.-	56.0
U	37.7	40.0	34.0	---.-	43.3
	44.8	46.5	36.5	34.3	68.6
	44.1	45.5	40.0	38.6	65.0
	51.7	54.0	38.5	34.8	67.0
	56.3	60.0	37.0	33.4	74.3
U	53.7	56.5	34.5	32.9	70.2
	58.1	62.5	38.0	33.4	76.1
	55.7	58.0	41.0	34.7	75.2
	53.3	58.0	44.0	40.1	64.9
	58.5	61.0	46.5	39.7	73.9
	55.5	60.0	46.5	41.8	65.6
	51.1	54.0	46.0	42.8	64.4
	52.0	54.5	46.5	43.8	66.3
	56.2	59.5	46.5	42.2	75.9
	59.5	63.5	50.0	44.6	69.2
	55.4	59.0	48.0	45.2	74.0
	54.8	57.5	49.5	45.1	65.9
	54.0	57.0	47.5	44.0	67.2
	56.3	60.0	47.0	42.6	68.2

55.3	58.5	48.5	44.5	70.3
56.0	60.0	46.0	42.1	69.9
55.4	59.5	47.0	42.0	64.8
55.3	58.5	48.5	44.2	64.7
55.3	57.5	49.0	45.1	69.8
55.1	58.0	46.5	40.1	68.7
55.1	59.0	45.5	41.0	68.4
55.0	58.5	47.0	40.8	64.8
56.7	60.0	50.0	42.2	66.1
55.1	58.5	48.5	43.1	68.2
57.5	62.0	47.0	41.4	68.4
58.3	61.5	46.5	40.8	72.3
54.3	57.5	48.0	42.7	64.8
58.9	63.0	48.5	42.6	70.0
56.0	59.5	47.0	39.3	73.0
56.1	59.0	49.0	44.7	71.8
56.4	60.0	46.0	42.8	67.5
54.8	58.5	47.5	40.8	67.1
56.4	60.0	47.0	41.3	71.4
55.8	59.5	47.5	42.6	67.6
57.4	60.5	50.0	44.3	71.6
60.3	64.0	50.5	43.5	72.6
60.8	64.5	48.5	41.4	76.0
57.6	61.0	48.5	41.4	67.4
59.2	62.0	49.5	43.8	74.9
61.8	64.0	53.0	45.0	73.7
59.7	62.0	51.0	47.1	76.4
57.8	61.0	48.5	44.5	72.2
56.3	59.5	49.5	45.8	68.8
59.0	63.0	49.0	44.3	77.4
57.1	60.5	47.5	43.7	71.7
56.1	58.5	50.0	46.5	69.2
70.6	64.0	49.5	44.1	93.2
56.3	60.5	46.5	42.6	70.4
54.5	58.0	47.0	41.7	67.7
56.8	60.5	49.5	45.0	68.4
56.4	60.5	47.5	41.4	69.0
56.5	60.5	47.5	42.9	70.0
59.6	62.5	47.5	43.5	73.8
56.9	61.0	46.5	41.0	70.1
56.3	58.5	45.0	41.3	71.4
56.4	60.0	45.0	39.7	70.2
55.4	59.5	44.0	38.7	71.9
52.0	54.0	46.0	41.1	68.1
54.3	56.5	45.5	40.8	71.1
51.2	53.5	43.5	37.8	71.1
50.4	52.5	42.0	37.4	69.4
55.4	59.0	45.0	37.9	70.0
52.1	56.0	43.5	39.5	66.1
50.3	53.5	42.0	37.8	64.8
51.4	55.0	43.5	39.6	63.4
49.3	52.5	44.0	39.5	57.9
48.2	49.5	40.5	36.8	68.9
50.8	53.0	43.0	39.5	68.9
50.7	54.0	44.5	39.9	63.1
50.8	54.5	43.5	38.5	66.0
51.3	54.0	44.5	40.1	62.2
53.2	56.5	45.0	40.0	67.2
52.4	54.5	44.5	39.7	71.0
50.8	52.0	41.5	37.1	70.3
52.2	55.0	44.0	39.8	68.5
59.2	60.0	44.0	41.5	74.9
58.6	62.5	45.0	39.7	73.8
47.8	49.0	41.5	37.5	70.4
49.4	52.0	44.0	40.5	67.3
48.9	52.5	41.0	37.1	61.2
46.0	49.0	40.0	37.1	55.7
46.5	49.5	41.0	37.1	57.6
51.8	55.0	45.0	39.6	65.5
52.2	55.5	44.5	41.9	64.3
53.9	58.0	45.0	40.6	66.6
52.4	56.0	43.5	38.5	66.2
48.4	50.5	43.0	37.9	59.8
51.7	53.5	44.5	40.1	66.0
51.5	55.0	45.5	40.7	61.1

	53.1	55.0	45.0	40.5	67.3
	51.6	54.0	46.0	40.5	67.1
	52.1	55.5	42.5	39.4	69.3
	58.5	60.5	43.0	38.5	73.8
	54.8	56.0	42.0	36.9	70.6
	55.0	56.0	42.0	36.9	72.9
	54.9	57.0	43.0	39.2	70.8
	48.7	51.0	42.5	37.6	61.3
	60.0	65.0	42.5	36.8	74.8
	46.5	49.0	41.5	38.0	62.4
	46.2	49.5	40.0	34.7	60.4
	49.0	52.0	43.0	38.2	58.6
	55.4	55.5	43.5	39.2	71.8
	55.2	57.0	45.5	41.0	72.1
	56.7	61.5	45.0	39.5	71.3
	62.3	67.0	44.0	37.7	74.8
	53.0	56.0	41.0	33.4	69.2
	54.2	58.0	40.0	34.2	71.3
	57.5	59.5	46.0	39.6	74.6
	51.8	55.5	42.5	37.1	65.3
	54.5	57.5	44.0	40.1	74.2
	55.5	58.5	43.0	38.4	71.4
	52.2	56.0	45.0	38.3	63.1
	54.4	57.5	48.5	43.5	62.8
	59.2	60.0	49.0	43.0	76.7
	53.1	56.0	46.5	39.9	64.3
	52.5	55.5	45.5	41.5	62.8
	57.6	61.5	46.5	40.6	71.6
	58.3	62.0	45.5	41.2	75.8
	58.2	61.0	47.5	41.1	74.1
	51.4	54.5	43.0	37.3	68.9
	56.1	59.0	49.0	43.8	69.0
	60.8	63.0	46.0	39.1	79.3
	63.4	59.0	45.5	39.6	93.4
	57.5	62.0	45.0	38.5	70.6
	57.2	61.0	47.0	41.4	67.8
	51.6	55.5	43.5	39.4	62.4
	53.5	57.5	43.0	37.3	66.4
	50.0	53.5	42.0	37.5	60.7
	57.1	57.5	42.0	35.2	73.8
	46.8	51.0	40.0	36.2	58.9
	60.5	65.0	47.0	42.0	71.0
	57.0	61.5	43.0	35.9	68.4
	53.5	58.0	42.0	38.3	64.0
	58.9	64.0	42.0	34.4	71.6
U	47.3	51.5	34.5	---.-	68.0
	46.0	49.0	40.0	34.6	57.3
	49.5	52.5	43.5	40.7	56.1
	47.5	51.0	41.0	37.0	57.0
	42.4	45.0	38.0	34.9	55.8
	51.1	55.5	43.5	41.1	61.2
	57.2	58.0	38.0	35.5	72.3
	46.7	51.0	39.0	36.3	54.3
	52.9	56.5	43.5	38.9	60.9
	46.6	48.5	41.5	38.1	58.7
	41.4	42.5	38.0	35.1	57.7
	53.9	56.0	39.0	35.0	67.9
	48.2	50.5	42.5	39.0	64.9
	50.2	53.0	44.5	39.0	56.0
	52.2	55.0	44.5	40.4	62.0
	49.8	53.0	42.0	36.6	58.1
	46.8	51.0	39.0	36.5	56.9
	49.6	54.0	38.5	35.9	61.9
	48.9	52.5	41.5	37.5	61.9
	57.4	58.5	37.0	33.7	74.2
	52.5	55.0	36.0	33.8	69.9
	45.0	48.5	38.0	35.6	56.7
	52.9	53.0	38.5	34.5	69.2
	47.3	50.0	37.0	---.-	60.8
	38.5	41.0	35.0	---.-	47.2
	45.1	49.0	36.0	33.0	54.6
	49.5	52.5	42.0	37.4	57.3
	46.0	48.5	40.5	37.2	65.0
	47.2	51.5	39.5	35.3	58.6
	43.7	46.5	37.5	34.0	54.7

	46.7	50.0	38.0	34.5	60.7
	57.1	57.0	38.0	35.1	72.8
	49.8	54.5	41.5	36.8	59.8
	49.0	48.5	38.5	35.2	67.2
	54.0	59.5	40.5	35.3	66.6
	57.4	61.5	41.0	36.6	72.1
	42.9	45.5	39.0	36.3	49.6
	47.4	51.0	42.0	37.8	56.6
	49.3	51.5	43.5	40.3	60.6
	50.9	55.0	42.5	38.8	59.8
	45.0	48.0	38.5	35.0	55.8
	51.1	56.0	38.5	35.0	67.4
	54.9	56.0	45.0	40.3	69.3
	53.6	57.0	46.5	42.9	68.8
	53.8	57.0	46.5	43.3	63.2
	46.2	49.5	39.0	36.1	57.2
	46.7	48.0	39.0	37.0	59.6
	54.0	54.0	38.5	36.6	70.9
	48.6	51.0	43.5	40.2	55.4
	46.8	50.0	38.5	34.7	53.0
	51.8	54.5	46.5	40.9	59.0
	44.6	47.5	40.0	36.9	53.4
	44.2	47.5	39.0	35.5	54.5
	46.7	50.0	40.5	37.3	55.2
	47.6	50.0	42.0	38.5	56.2
	46.7	49.5	41.0	36.3	55.4
	53.1	57.0	42.0	38.4	60.7
	47.6	51.0	38.5	36.1	55.9
	51.9	50.0	42.5	37.8	70.5
	49.6	53.5	41.5	38.8	58.1
	50.4	55.0	42.5	38.7	59.3
	47.3	50.5	39.5	37.4	58.5
	51.5	55.0	44.0	39.5	61.6
	44.8	48.0	39.5	35.9	52.3
	42.5	45.0	39.0	37.2	51.6
	52.5	55.5	46.0	41.8	59.4
	48.9	51.5	45.5	44.2	56.3
	46.6	51.0	40.0	37.9	55.0
	52.7	57.0	44.0	39.1	62.6
	43.7	46.0	37.0	34.2	56.3
U	38.0	40.5	34.5	---.-	44.2
U	43.8	49.5	34.5	---.-	53.3
	42.5	43.5	36.5	33.7	54.6
	46.1	50.0	37.5	33.5	63.8
	52.2	56.5	37.5	34.7	59.8
	46.1	49.0	40.0	36.4	54.1
	46.7	50.5	42.0	39.6	53.0
U	46.2	51.5	34.5	---.-	53.6
U	38.7	41.5	34.0	---.-	49.8
U	43.6	48.5	32.0	---.-	52.6
	49.0	54.0	39.0	33.6	59.3
U	44.3	48.0	34.0	---.-	53.2
U	46.2	50.5	36.5	---.-	56.3
	50.9	54.5	41.5	36.1	73.7
U	44.5	45.0	34.0	---.-	67.7
U	42.8	45.5	37.5	---.-	52.1
	50.5	56.0	35.0	---.-	61.4
U	47.5	53.0	33.5	---.-	60.6
U	35.4	37.0	---.-	---.-	54.2
U	34.3	36.0	---.-	---.-	55.7
U	---.-	33.5	---.-	---.-	46.7
U	43.0	47.5	---.-	---.-	52.2
	49.6	53.5	40.5	35.1	59.3
U	41.5	44.5	34.5	---.-	54.3
U	38.6	42.5	33.5	---.-	45.7
	48.7	52.0	37.5	34.3	60.5
U	37.4	39.5	34.0	---.-	43.4
U	47.2	53.0	34.5	---.-	57.4
	41.6	44.0	36.0	33.7	53.0
	48.3	53.0	38.0	33.7	60.9
	48.2	52.0	40.0	36.0	56.9
U	40.9	44.5	32.5	---.-	49.6
U	33.8	36.5	---.-	---.-	39.2
U	32.3	36.0	---.-	---.-	38.6
U	50.8	56.5	---.-	---.-	64.3

U	42.2	43.0	32.5	---.-	63.2
U	36.3	34.0	---.-	---.-	63.4
U	43.4	36.5	---.-	---.-	72.4
U	42.0	47.0	---.-	---.-	53.1
U	45.0	49.5	---.-	---.-	65.4
	49.4	53.0	37.5	33.2	60.5
U	37.1	39.0	---.-	---.-	52.8
U	---.-	---.-	---.-	---.-	37.5
U	45.5	50.0	---.-	---.-	53.9
U	39.6	44.5	---.-	---.-	50.8
U	36.1	41.0	---.-	---.-	50.5
	50.0	55.5	38.5	33.5	62.5
U	36.8	41.5	---.-	---.-	49.5
U	---.-	---.-	---.-	---.-	40.6
U	---.-	---.-	---.-	---.-	38.5
U	---.-	---.-	---.-	---.-	36.5
U	42.0	44.5	---.-	---.-	55.6
U	43.4	49.0	---.-	---.-	56.4
U	36.0	40.0	---.-	---.-	45.1
U	---.-	---.-	---.-	---.-	37.7
U	---.-	---.-	---.-	---.-	37.5
U	---.-	---.-	---.-	---.-	39.6
U	33.2	37.5	---.-	---.-	41.2
U	---.-	33.5	---.-	---.-	37.6
U	48.4	54.5	---.-	---.-	61.9
	46.0	46.0	40.5	38.1	60.2
U	48.3	52.5	---.-	---.-	58.3
U	---.-	33.0	---.-	---.-	38.6
U	---.-	33.0	---.-	---.-	41.3
U	40.0	43.5	---.-	---.-	47.8
U	36.0	39.5	---.-	---.-	44.8
	44.6	47.0	38.0	33.4	51.1
U	32.8	36.0	---.-	---.-	41.1
U	---.-	33.0	---.-	---.-	38.1
U	---.-	32.0	---.-	---.-	45.5
U	---.-	33.0	---.-	---.-	46.3
U	---.-	---.-	---.-	---.-	35.2
U	---.-	35.5	---.-	---.-	41.6
U	32.1	36.5	---.-	---.-	41.6
	46.6	49.5	41.0	37.9	52.8
U	36.5	40.5	---.-	---.-	43.7
U	51.6	56.5	34.0	---.-	61.9
	49.8	51.5	46.0	43.0	55.8
	44.8	47.5	37.5	34.9	53.3
	44.1	47.0	38.0	35.8	49.5
	43.4	46.0	40.0	37.4	47.7
	46.6	46.5	42.5	39.2	64.8
	52.6	56.0	41.0	37.7	70.2
	54.9	59.0	43.5	40.3	68.8
	51.3	55.0	42.0	38.8	63.5
	50.5	54.5	42.0	40.3	63.9
	54.1	57.0	46.5	43.5	64.8
	54.5	58.0	46.5	43.1	65.0
	52.9	56.0	46.5	43.7	64.3
	52.4	55.0	47.5	44.3	65.7
	54.4	56.0	45.5	40.8	69.1
	52.7	55.5	44.0	37.4	64.2
	56.2	59.5	46.5	38.7	69.8
	54.4	57.0	45.5	40.2	74.2
	56.9	60.5	49.5	43.2	68.6
	53.9	57.0	47.0	42.9	64.7
	54.2	57.5	46.0	40.8	69.8
	52.4	55.5	45.0	38.4	63.8
	54.2	57.5	46.0	38.1	65.5
	54.9	58.0	47.0	42.7	67.5
	54.5	57.0	46.5	39.2	69.0
	54.5	57.0	50.5	43.8	63.3
	55.0	58.5	48.0	44.5	67.3
	53.4	56.5	46.5	42.5	63.0
	54.5	58.5	45.0	40.1	67.4
	52.8	55.5	46.0	40.2	66.9
	53.2	57.0	47.5	44.4	67.6
	58.7	62.0	50.5	45.8	71.1
	53.3	56.5	47.0	43.2	64.6
	55.6	59.0	46.5	40.4	72.4

56.0	59.0	48.5	44.5	71.9
60.9	58.0	48.0	44.7	90.2
56.3	60.0	47.5	38.6	66.3
57.7	61.0	50.5	47.0	68.6
57.1	61.0	48.0	44.3	70.0
56.4	59.0	50.0	46.0	70.3
54.4	57.0	46.0	41.2	73.3
53.8	56.5	47.5	41.2	68.8
67.0	59.0	48.0	42.6	97.7
58.6	62.0	46.5	39.5	73.9
54.1	57.5	44.0	38.7	68.2
53.8	57.0	46.5	41.6	65.4
50.4	53.5	44.0	40.7	62.6
57.7	62.0	45.5	41.1	70.9
57.7	62.0	49.5	44.1	68.1
54.7	58.0	49.0	46.0	63.4
53.9	57.0	49.0	44.9	63.6
56.6	59.0	47.5	43.8	72.7
50.1	52.5	45.0	42.6	61.1
50.1	52.0	47.0	43.9	57.8
52.2	54.0	46.0	42.7	68.6
54.4	57.5	47.0	43.0	66.8
53.7	56.5	46.5	41.4	66.7
53.6	57.0	48.0	45.3	63.8
57.7	59.5	47.0	44.0	72.3
53.1	55.5	47.5	43.8	65.8
52.3	55.0	48.0	43.6	60.4
52.6	54.5	48.5	44.3	60.9
49.9	53.0	44.5	40.2	58.9
57.6	60.5	48.0	44.0	75.1
49.2	51.5	44.5	40.7	60.3
51.6	54.0	45.5	39.8	63.1
50.1	53.0	44.0	39.5	65.8
52.8	55.0	43.5	37.8	71.9
50.3	53.0	44.5	38.8	62.7
51.3	54.5	43.5	39.8	62.7
55.6	57.5	42.0	38.7	71.4
49.3	52.5	43.5	40.7	61.7
53.5	56.0	49.0	44.3	64.0
50.5	53.5	45.0	40.3	61.0
51.5	55.0	43.0	35.7	62.8
49.5	53.0	41.5	37.0	62.9

Appendix G

Meteorological Data during Baseline Monitoring (Cheung Chau Station)

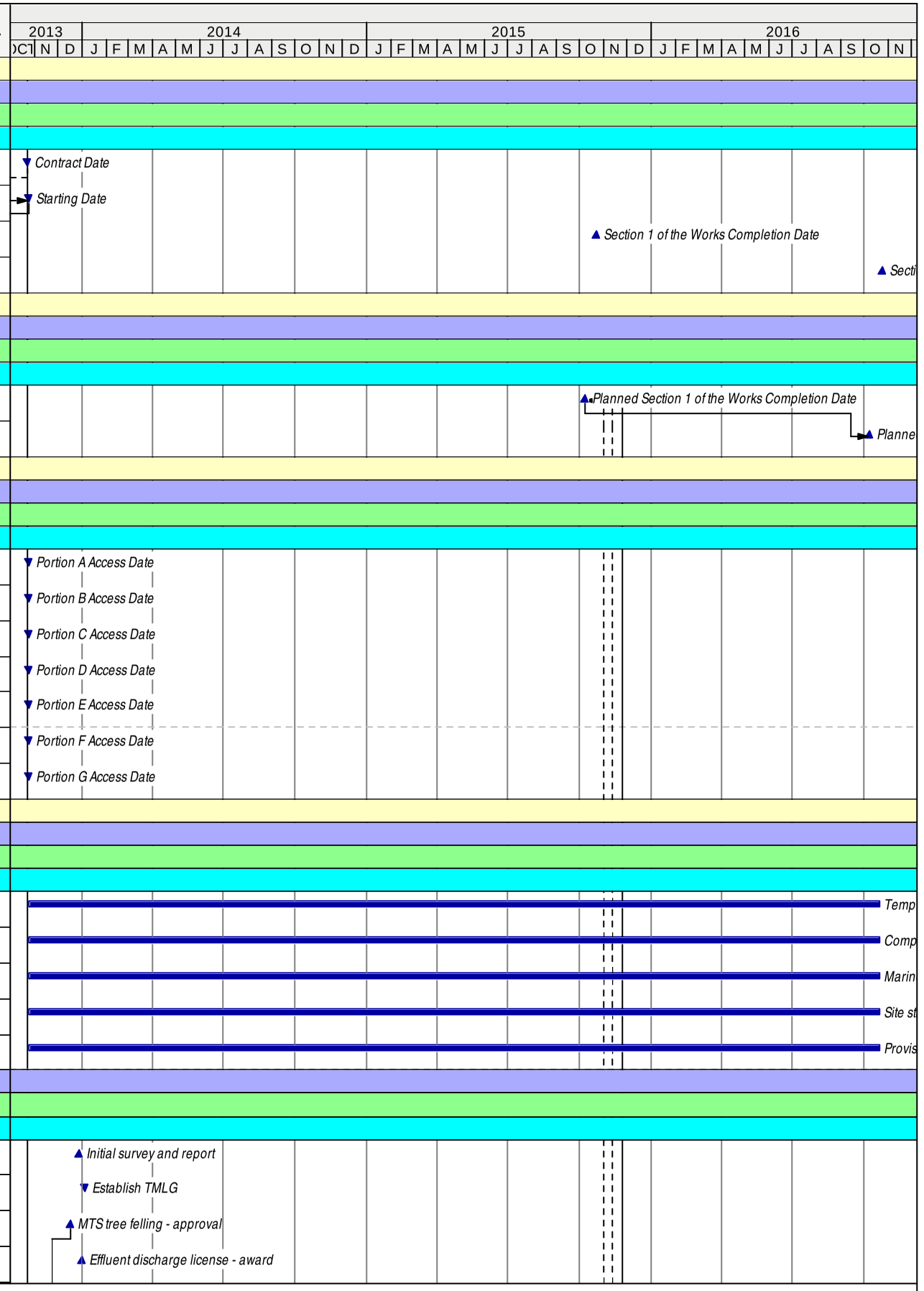
Date		Weather	Total Rainfall (mm)	Cheung Chau Station			
				Mean Air Temp. (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction (degree)
4-Jan-14	Sat	Dry, cloudy. Moderate to fresh north to northeasterly winds.	0	18.4	21.1	51	10
5-Jan-14	Sun	Dry, cloudy. Moderate to fresh north to northeasterly winds.	0	16.2	19.5	56	100
6-Jan-14	Mon	Cloudy, dry, fine. Moderate to fresh northerly winds.	0	16.4	25.1	68	100
7-Jan-14	Tue	Cloudy, dry, fine. Moderate to fresh northerly winds.	Trace	17.8	19.0	81	100
8-Jan-14	Wed	Cloudy, rain, light winds. Appreciably cooler as winds strengthening from the north.	Trace	18.4	15.2	83	360
9-Jan-14	Thu	Cloudy, dry, fine. Moderate to fresh northerly winds.	0	14.7	23.0	66	10
10-Jan-14	Fri	Cloudy, dry, fine. Moderate to fresh northerly winds.	Trace	14.9	21.7	73	100
11-Jan-14	Sat	Fine and very dry. Moderate northeasterly winds.	0	16.3	19.5	74	100
12-Jan-14	Sun	Fine, dry, cold. Moderate northeasterly wind.	0	17.2	17.8	72	20
13-Jan-14	Mon	Fine, dry, cold. Moderate northeasterly wind.	0	12.8	27.2	67	360
14-Jan-14	Tue	Fine, dry, cold. Moderate northeasterly wind.	0	12.8	21.6	66	10
15-Jan-14	Wed	Fine, dry, cold. Moderate to fresh east to northeasterly winds.	0	13	24.4	58	10
16-Jan-14	Thu	Fine and dry. Moderate to fresh east to northeasterly winds.	0	14	18.4	65	80
17-Jan-14	Fri	Fine, dry, cold. Moderate northeasterly wind.	0	14.9	10.5	80	30
18-Jan-14	Sat	Fine and very dry. Moderate northeasterly winds.	0	15.7	16.3	54	20
19-Jan-14	Sun	Fine and dry. Moderate to fresh east to northeasterly winds.	0	14.2	16.0	67	80
20-Jan-14	Mon	Fine and dry. Moderate to fresh east to northeasterly winds.	0	15.7	14.0	57	20
21-Jan-14	Tue	Fine and very dry. Moderate northeasterly winds.	0	14.3	24.8	36	10
22-Jan-14	Wed	Fine and very dry. Moderate northeasterly winds.	0	12.5	15.2	48	20
23-Jan-14	Thu	Mainly cloudy with sunny periods. Moderate easterly winds.	0	13.4	19.3	64	70
24-Jan-14	Fri	Mainly cloudy with sunny periods. Moderate easterly winds.	0	16.1	18.2	76	100
25-Jan-14	Sat	Mainly fine and dry. Moderate easterly winds.	0	18.2	13.0	79	40
26-Jan-14	Sun	Mainly cloudy with sunny periods. Moderate easterly winds.	0	18.8	15.6	77	20
27-Jan-14	Mon	Mainly fine and dry. Moderate easterly winds.	0	16.2	22.1	73	110
28-Jan-14	Tue	Mainly fine and dry. Moderate easterly winds.	0	16.5	13.8	77	110
29-Jan-14	Wed	Fine, dry. Moderate easterly winds, fresh at times.	0	17.3	14.8	73	120
30-Jan-14	Thu	Fine, dry. Light to moderate easterly winds.	0	18.2	5.6	78	140
31-Jan-14	Fri	Fine. Dry with some haze. Light to moderate easterly winds.	0	19	10.4	78	130

Note:
Wind Direction (degree):
90 = East *180 = South* *270 = West* *360 = North*

Appendix H

Tentative Master Construction Program

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Origi Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA
Contract Dates													
KDC000050	Contract Date	Cal_1			23OCT13	23OCT13	0	0			0	0	0d
KDC000100	Starting Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDC000200	Section 1 of the Works Completion Date	Cal_1					0	0	23OCT15	23OCT15	0	0	0d
KDC000300	Section 2 of the Works Completion Date	Cal_1					0	0	23OCT16	23OCT16	0	0	0d
Planned Completion Dates													
KDP000100	Planned Section 1 of the Works Completion	Cal_1					0	0	07OCT15	23OCT15	0	16d	0d
KDP000200	Planned Section 2 of the Works Completion	Cal_1					0	0	07OCT16	23OCT16	16d	16d	0d
Access Dates													
KDA000100	Portion A Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDA000200	Portion B Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDA000300	Portion C Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDA000400	Portion D Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDA000500	Portion E Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDA000600	Portion F Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
KDA000700	Portion G Access Date	Cal_1			24OCT13	24OCT13	0	0			0	0	0d
General Provisions													
GEP000300	Temp accomm for PM, Supervisor & Contractor	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d
GEP000400	Computer facilities for PM & Supervisor	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d
GEP000500	Marine transport for PM & Supervisor	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d
GEP000600	Site staff/hotline/temp facilities/site clean	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d
GEP000700	Provision of uniform	Cal_1		A	24OCT13	25OCT13	1095	1095	22OCT16	23OCT16	1d	1d	0d
General Submissions													
GES000100	Initial survey and report	Cal_1					0	0	28DEC13	28DEC13	0	0	0d
GES000200	Establish TMLG	Cal_1			05JAN14 *	05JAN14	0	0			0	0	0d
GES000500	MTS tree felling - approval	Cal_1					0	0	17DEC13	17DEC13	0	0	0d
GES000700	Effluent discharge license - award	Cal_1					0	0	31DEC13	31DEC13	0	0	0d



Start date	**23OCT13**
Finish date	**23OCT16**
Data date	**23OCT13**
Run date	**07FEB14**
Page number	**1A**

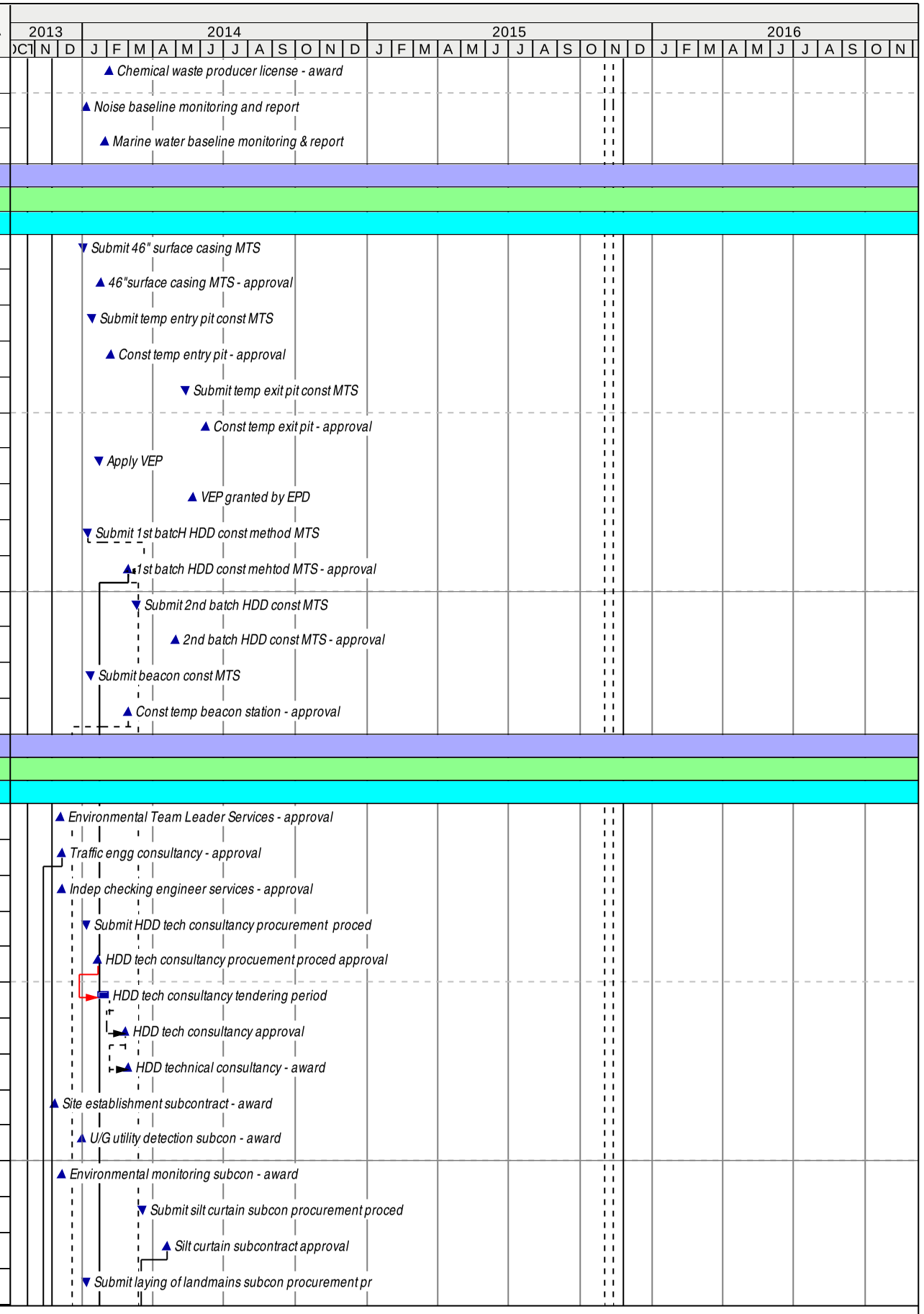
Contract No. 1/WSD/13
Improvement of Fresh Water Supply to Cheung Chau

CRBC-CPP JV
Accepted Programme

Re-submission;
Rev A;
File: A003

Early bar
Progress bar
Start milestone point
Finish milestone point

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Origi Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA
GES000900	Chemical waste producer license - award	Cal_1					0	0	05FEB14	05FEB14	0	0	0d
GES001000	Noise baseline monitoring and report	Cal_1					0	0	06JAN14 *	06JAN14	0	0	0d
GES001100	Marine water baseline monitoring & report	Cal_1					0	0	29JAN14 *	29JAN14	0	0	0d
Major Submissions													
MJS000010	Submit 46" surface casing MTS	Cal_1			03JAN14 *	03JAN14	0	0			0	0	0d
MJS000100	46"surface casing MTS - approval	Cal_1					0	0	24JAN14 *	24JAN14	0	0	0d
MJS000190	Submit temp entry pit const MTS	Cal_1			15JAN14 *	15JAN14	0	0			0	0	0d
MJS000200	Const temp entry pit - approval	Cal_1					0	0	07FEB14	07FEB14	0	0	0d
MJS000290	Submit temp exit pit const MTS	Cal_1			14MAY14	14MAY14	0	0			0	0	0d
MJS000300	Const temp exit pit - approval	Cal_1					0	0	07JUN14 *	07JUN14	0	0	0d
MJS000390	Apply VEP	Cal_1			24JAN14 *	24JAN14	0	0			0	0	0d
MJS000400	VEP granted by EPD	Cal_1					0	0	23MAY14	23MAY14	0	0	30d
MJS000500	Submit 1st batcH HDD const method MTS	Cal_1			08JAN14 *	08JAN14	0	0			0	0	0d
MJS000600	1st batch HDD const mehtod MTS - approval	Cal_1					0	0	28FEB14	28FEB14	0	0	21d
MJS000610	Submit 2nd batch HDD const MTS	Cal_1			12MAR14	12MAR14	0	0			0	0	0d
MJS000620	2nd batch HDD const MTS - approval	Cal_1					0	0	30APR14	30APR14	0	0	21d
MJS000690	Submit beacon const MTS	Cal_1			13JAN14 *	13JAN14	0	0			0	0	0d
MJS000700	Const temp beacon station - approval	Cal_1					0	0	28FEB14	28FEB14	0	0	21d
Major Subletting													
MSL000100	Environmental Team Leader Services -	Cal_1					0	0	04DEC13	04DEC13	0	0	0d
MSL000200	Traffic engg consultancy - approval	Cal_1					0	0	05DEC13	05DEC13	0	0	0d
MSL000300	Indep checking engineer services - approval	Cal_1					0	0	05DEC13	05DEC13	0	0	0d
MSL000400	Submit HDD tech consultancy procurement	Cal_1			07JAN14 *	07JAN14	0	0			0	0	0d
MSL000500	HDD tech consultancy procuement proced	Cal_1					0	0	21JAN14 *	21JAN14	0	0	7d
MSL000600	HDD tech consultancy tendering period	Cal_1			22JAN14	22JAN14	14	14	04FEB14	04FEB14	0	0	0d
MSL000700	HDD tech consultancy approval	cal_1					0	0	25FEB14	25FEB14	0	0	0d
MSL000800	HDD technical consultancy - award	Cal_1					0	0	28FEB14	28FEB14	0	0	0d
MSL000900	Site establishment subcontract - award	Cal_1					0	0	27NOV13	27NOV13	0	0	0d
MSL001000	U/G utility detection subcon - award	Cal_1					0	0	31DEC13	31DEC13	0	0	0d
MSL001100	Environmental monitoring subcon - award	Cal_1					0	0	05DEC13	05DEC13	0	0	0d
MSL001200	Submit silt curtain subcon procurement proced	Cal_1			19MAR14	19MAR14	0	0			0	0	0d
MSL001300	Silt curtain subcontract approval	Cal_1					0	0	19APR14	19APR14	0	0	7d
MSL001400	Submit laying of landmains subcon	Cal-1			06JAN14 *	06JAN14	0	0			0	0	0d



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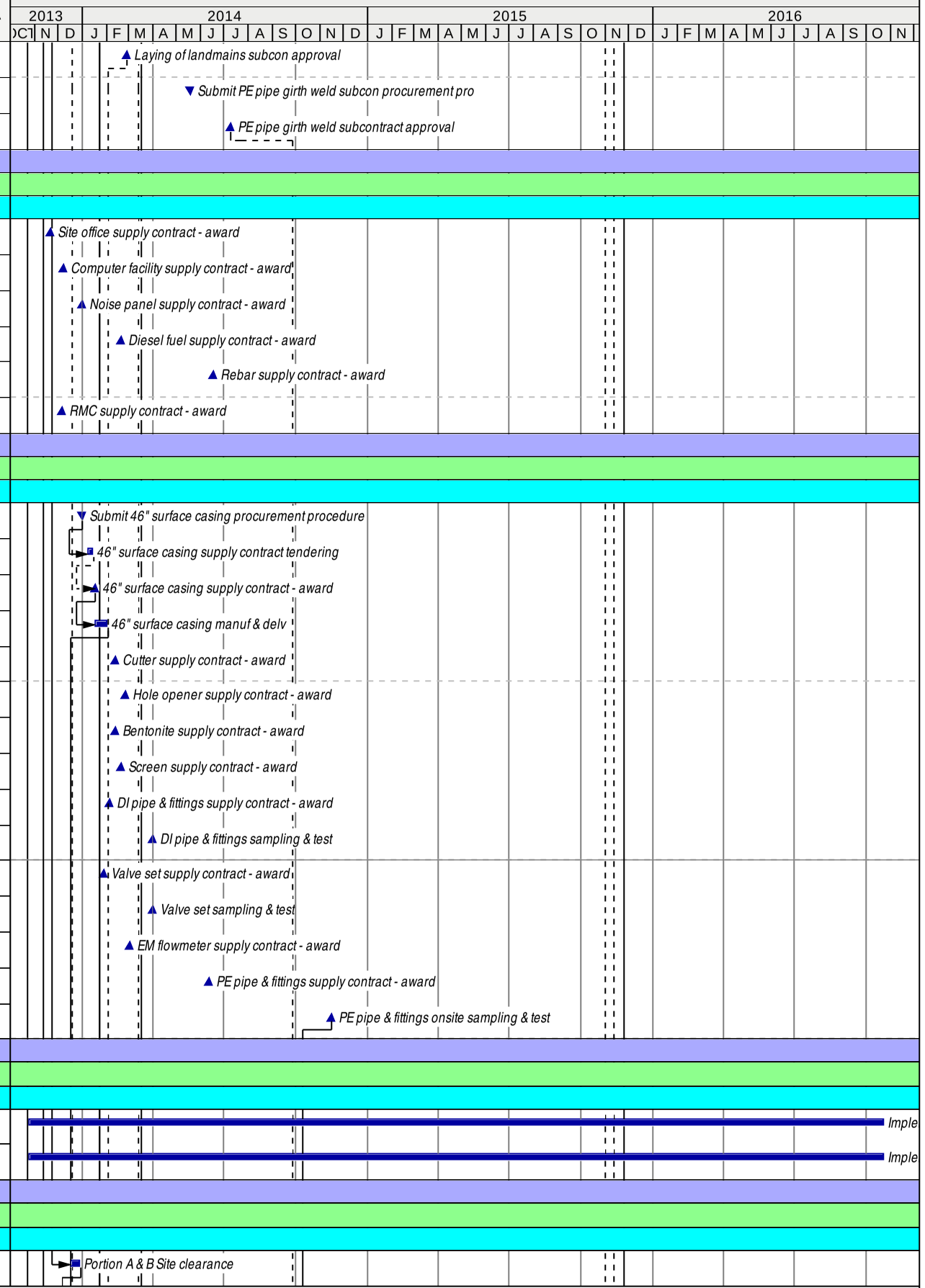
Early bar
Progress bar
Start milestone point
Finish milestone point

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Origi Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA
MSL001500	Laying of landmains subcon approval	Cal_1					0	0	27FEB14	27FEB14	0	0	7d
MSL001600	Submit PE pipe girth weld subcon procurement	Cal_1			19MAY14	19MAY14	0	0			0	0	0d
MSL001700	PE pipe girth weld subcontract approval	Cal_1					0	0	10JUL14 *	10JUL14 *	0	0	14d
Major Local Procurement													
MLP000100	Site office supply contract - award	Cal_1					0	0	21NOV13	21NOV13	0	0	0d
MLP000200	Computer facility supply contract - award	Cal_1					0	0	07DEC13	07DEC13	0	0	0d
MLP000300	Noise panel supply contract - award	Cal_1					0	0	31DEC13	31DEC13	0	0	0d
MLP000400	Diesel fuel supply contract - award	Cal_1					0	0	19FEB14	19FEB14	0	0	0d
MLP000500	Rebar supply contract - award	Cal_1					0	0	18JUN14 *	18JUN14	0	0	0d
MLP000600	RMC supply contract - award	Cal_1					0	0	05DEC13	05DEC13	0	0	0d
Major Overseas Procurement													
MOP000100	Submit 46" surface casing procurement	Cal_1			02JAN14 *	02JAN14	0	0			0	0	0d
MOP000200	46" surface casing supply contract tendering	Cal_1			09JAN14	10JAN14	7	7	15JAN14	16JAN14	1d	1d	0d
MOP000300	46" surface casing supply contract - award	Cal_1					0	0	16JAN14 *	16JAN14	0	0	0d
MOP000400	46" surface casing manuf & delv	Cal_1			17JAN14	05APR14	18	18	03FEB14	23APR14	0	79d	0d
MOP000500	Cutter supply contract - award	Cal_1					0	0	12FEB14	12FEB14	0	0	0d
MOP000600	Hole opener supply contract - award	Cal_1					0	0	25FEB14	25FEB14	0	0	0d
MOP000700	Bentonite supply contract - award	Cal_1					0	0	12FEB14	12FEB14	0	0	0d
MOP000800	Screen supply contract - award	Cal_1					0	0	19FEB14	19FEB14	0	0	0d
MOP000900	DI pipe & fittings supply contract - award	Cal_1					0	0	05FEB14	05FEB14	0	0	0d
MOP001000	DI pipe & fittings sampling & test	Cal_1					0	0	01APR14	01APR14	0	0	0d
MOP001100	Valve set supply contract - award	Cal_1					0	0	28JAN14 *	28JAN14	0	0	0d
MOP001200	Valve set sampling & test	Cal_1					0	0	01APR14	01APR14	0	0	0d
MOP001300	EM flowmeter supply contract - award	Cal_1					0	0	03MAR14	03MAR14	0	0	0d
MOP001400	PE pipe & fittings supply contract - award	Cal_1					0	0	12JUN14 *	12JUN14	0	0	0d
MOP001500	PE pipe & fittings onsite sampling & test	Cal_1		C			0	0	15NOV14	15NOV14	0	0	0d
General Safety & Environmental Provisions													
SSE000100	Implement safety provisions (SSEMC end of @	Cal_1		B	24OCT13	24OCT13	1096	1096	23OCT16	23OCT16	0	0	0d
SSE000200	Implement enviro provisions (SSEMC end of @	Cal_1		B	24OCT13	24OCT13	1096	1096	23OCT16	23OCT16	0	0	0d
Sec 1 Portion A & B Site Preparation													
SE1000100	Portion A & B Site clearance	Cal_2			17DEC13	19FEB14	10	10	30DEC13	01MAR14	0	55d	0d



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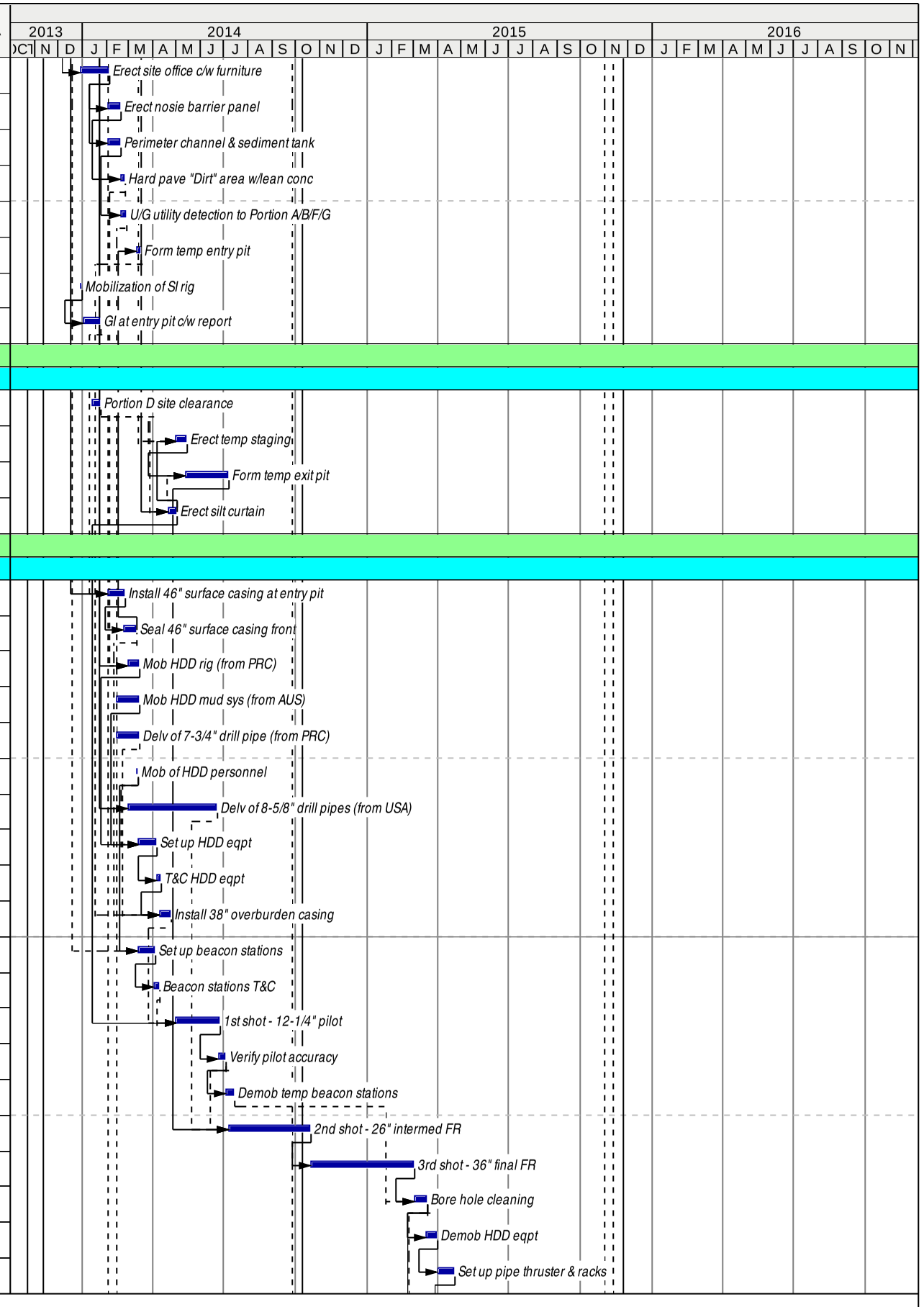
Early bar
Progress bar
Start milestone point
Finish milestone point

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Origi Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA
SE1000200	Erect site office c/w furniture	Cal_2			30DEC13	01MAR14	30	30	04FEB14	02APR14	0	55d	0d
SE1000300	Erect nosie barrier panel	Cal_2		B	04FEB14	02APR14	15	15	19FEB14	22APR14	0	55d	0d
SE1000400	Perimeter channel & sediment tank	Cal_2			04FEB14	14APR14	15	15	19FEB14	03MAY14	0	65d	0d
SE1000500	Hard pave "Dirt" area w/lean conc	Cal_2			19FEB14	22APR14	5	5	25FEB14	26APR14	4d	55d	0d
SE1000600	U/G utility detection to Portion A/B/F/G	Cal_2			19FEB14	03MAY14	7	7	26FEB14	13MAY14	45d	65d	0d
SE1000700	Form temp entry pit	Cal_2		C	12MAR14	31MAY14	5	5	17MAR14	06JUN14	23d	71d	0d
SE1000800	Mobilization of SI rig	Cal_2			30DEC13	30DEC13	2	2	31DEC13	31DEC13	0	0	0d
SE1000900	GI at entry pit c/w report	Cal_2			03JAN14	27MAR14	21	21	25JAN14	23APR14	5d	77d	0d
Sec 1 Portion D Site Preparation													
SE1100100	Portion D site clearance	Cal_2			15JAN14 *	23MAY14	10	10	24JAN14	04JUN14	76d	115d	0d
SE1100200	Erect temp staging	Cal_2			02MAY14	14JUN14	10	10	14MAY14	25JUN14	0	39d	0d
SE1100300	Form temp exit pit	Cal_2		C	14MAY14	25JUN14	50	50	08JUL14	16AUG14	0	39d	0d
SE1100400	Erect silt curtain	Cal_2			22APR14	04JUN14	10	10	02MAY14	14JUN14	0	39d	0d
Sec 1 HDD Works													
SE1200100	Install 46" surface casing at entry pit	Cal_2	7m		04FEB14	23APR14	20	20	24FEB14	16MAY14	0	71d	0d
SE1200200	Seal 46" surface casing front	Cal_2			24FEB14	16MAY14	15	15	12MAR14	31MAY14	0	71d	0d
SE1200300	Mob HDD rig (from PRC)	Cal_1			01MAR14	27APR14	15	15	15MAR14	12MAY14	0	58d	0d
SE1200400	Mob HDD mud sys (from AUS)	Cal_1			14FEB14	14FEB14	30	30	15MAR14	15MAR14	0	0	0d
SE1200500	Delv of 7-3/4" drill pipe (from PRC)	Cal_1			14FEB14	14FEB14	30	30	15MAR14	15MAR14	0	0	0d
SE1200600	Mob of HDD personnel	Cal_1			12MAR14	12MAR14	3	3	14MAR14	14MAR14	0	0	0d
SE1200800	Delv of 8-5/8" drill pipes (from USA)	Cal_1			01MAR14	24APR14	115	115	23JUN14	16AUG14	14d	54d	0d
SE1200900	Set up HDD eqpt	Cal_2		C	15MAR14	12MAY14	20	20	07APR14	03JUN14	0	48d	0d
SE1201000	T&C HDD eqpt	Cal_2			07APR14	03JUN14	4	4	11APR14	06JUN14	0	48d	0d
SE1201050	Install 38" overburden casing	Cal_2	75m		11APR14	06JUN14	14	14	25APR14	18JUN14	8d	64d	0d
SE1201100	Set up beacon stations	Cal_2			14MAR14	22MAY14	20	20	04APR14	13JUN14	0	60d	0d
SE1201200	Beacon stations T&C	Cal_2			04APR14	13JUN14	4	4	10APR14	18JUN14	18d	60d	0d
SE1201300	1st shot - 12-1/4" pilot	Cal_3	1,405m	C	02MAY14	18JUN14	50	50	26JUN14	09AUG14	0	42d	7d
SE1201400	Verify pilot accuracy	Cal_3			26JUN14	09AUG14	7	7	04JUL14	16AUG14	0	42d	0d
SE1201450	Demob temp beacon stations	Cal_2			04JUL14	02APR15	10	10	15JUL14	16APR15	213d	252d	0d
SE1201500	2nd shot - 26" intermed FR	Cal_3	1,405m	C	08JUL14	16AUG14	98	98	21OCT14	29NOV14	0	39d	40d
SE1201600	3rd shot - 36" final FR	Cal_3	1,405m	C	21OCT14	01DEC14	122	122	03MAR15	16APR15	0	39d	50d
SE1201700	Bore hole cleaning	Cal_3			03MAR15	16APR15	14	14	18MAR15	30APR15	0	39d	0d
SE1201750	Demob HDD eqpt	Cal_2			18MAR15	30APR15	14	14	01APR15	18MAY15	0	39d	0d
SE1201800	Set up pipe thruster & racks	Cal_2			01APR15	18MAY15	17	17	22APR15	06JUN15	0	39d	0d



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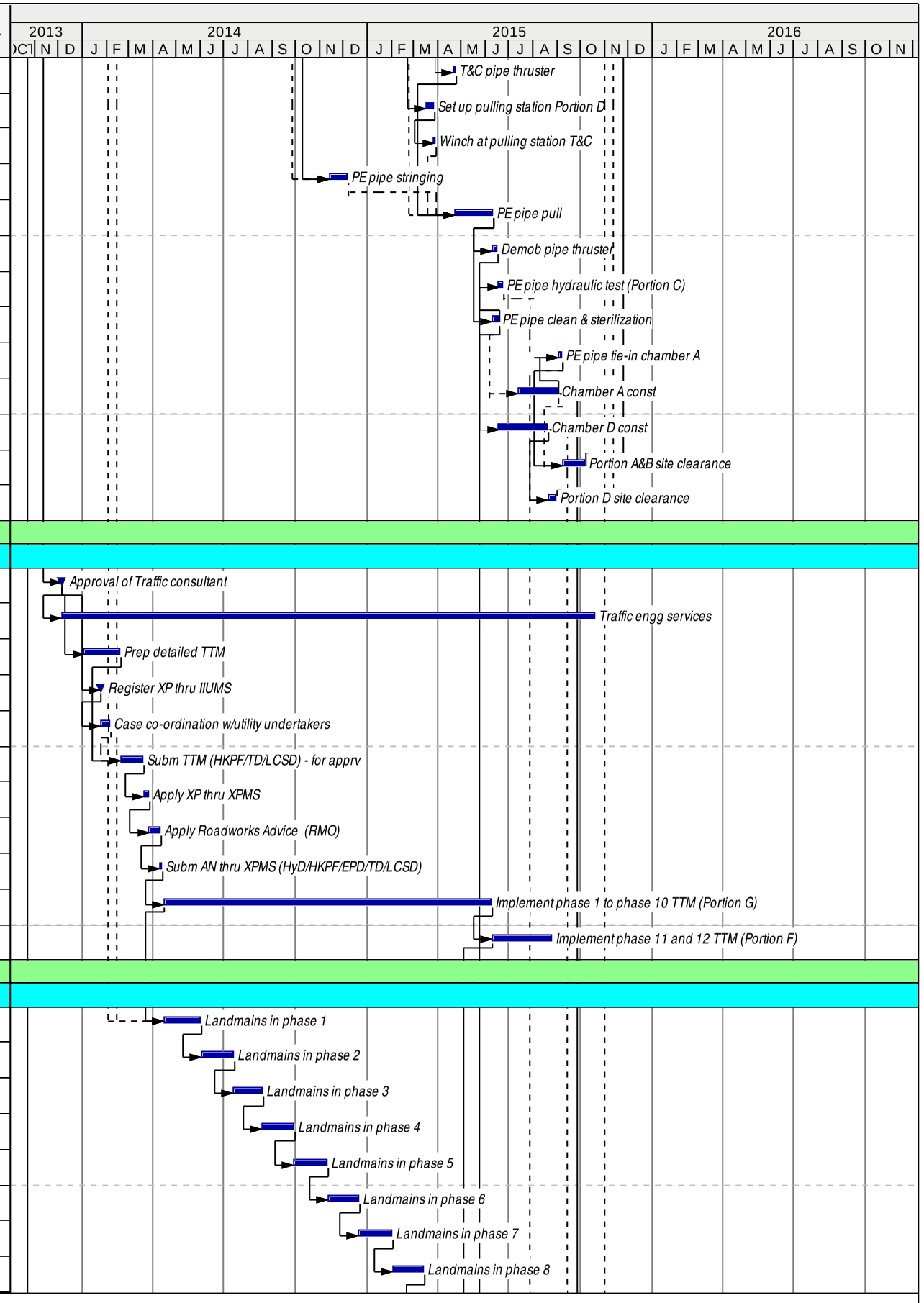
Early bar
Progress bar
Start milestone point
Finish milestone point

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Origi Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA
SE1201900	T&C pipe thruster	Cal_2			22APR15	06JUN15	2	2	24APR15	09JUN15	0	39d	0d
SE1202000	Set up pulling station Portion D	Cal_2			18MAR15	26MAY15	10	10	28MAR15	06JUN15	0	60d	0d
SE1202100	Winch at pulling station T&C	Cal_2			28MAR15	06JUN15	2	2	30MAR15	09JUN15	21d	60d	0d
SE1202300	PE pipe stringing	Cal_2	60 strings	C	15NOV14	15MAY15	21	21	08DEC14	09JUN15	123d	162d	0d
SE1202400	PE pipe pull	Cal_3	1,420m	C	24APR15	09JUN15	42	42	11JUN15	23JUL15	0	39d	2d
SE1202500	Demob pipe thruster	Cal_2			11JUN15	03AUG15	6	6	18JUN15	08AUG15	0	49d	0d
SE1202600	PE pipe hydraulic test (Portion C)	Cal_2			19JUN15	14SEP15	6	6	25JUN15	21SEP15	67d	83d	0d
SE1202700	PE pipe clean & sterilization	Cal_2			11JUN15	23JUL15	7	7	19JUN15	30JUL15	0	39d	0d
SE1202800	PE pipe tie-in chamber A	Cal_2			03SEP15	21SEP15	5	5	09SEP15	25SEP15	0	16d	0d
SE1202900	Chamber A const	Cal_2			14JUL15	30JUL15	50	50	03SEP15	21SEP15	0	16d	0d
SE1203000	Chamber D const	Cal_2			19JUN15	10AUG15	60	60	21AUG15	13OCT15	0	49d	0d
SE1203100	Portion A&B site clearance	Cal_2			09SEP15	25SEP15	25	25	07OCT15	23OCT15	0	16d	0d
SE1203200	Portion D site clearance	Cal_2			21AUG15	14OCT15	10	10	01SEP15	23OCT15	33d	49d	0d
Sec 1 Excavation Permit & TTA													
SE1300100	Approval of Traffic consultant	Cal_1			06DEC13	24DEC13	0	0			0	19d	0d
SE1300110	Traffic engg services	Cal_1		C	06DEC13	09DEC14	685	685	21OCT15	23OCT16	368d	368d	0d
SE1300200	Prep detailed TTM	Cal_2			04JAN14	23JAN14	40	40	19FEB14	08MAR14	0	18d	0d
SE1300300	Register XP thru IIUMS	Cal_1			25JAN14	23FEB14	0	0			0	30d	0d
SE1300400	Case co-ordination w/utility undertakers	Cal_1			25JAN14	23FEB14	14	14	07FEB14	09MAR14	12d	30d	0d
SE1300500	Subm TTM (HKPF/TD/LCSD) - for apprv	Cal_1			19FEB14	09MAR14	30	30	21MAR14	08APR14	0	18d	0d
SE1300600	Apply XP thru XPMS	Cal_1			21MAR14	08APR14	7	7	28MAR14	15APR14	0	18d	0d
SE1300700	Apply Roadworks Advice (RMO)	Cal_1			28MAR14	15APR14	14	14	11APR14	29APR14	0	18d	7d
SE1300800	Subm AN thru XPMS	Cal_2			11APR14	29APR14	2	2	14APR14	02MAY14	0	14d	0d
SE1300910	Implement phase 1 to phase 10 TTM (Portion	Cal_1		C	16APR14	05MAY14	420	420	09JUN15	29JUN15	0	19d	0d
SE1301910	Implement phase 11 and 12 TTM (Portion F)	Cal_1		C	10JUN15	29JUN15	79	79	27AUG15	16SEP15	0	19d	0d
Sec 1 Main Laying on Cheung Chau													
SE1400100	Landmains in phase 1	Cal_4	11m	C	16APR14	13MAY14	25	25	03JUN14	23JUN14	0	13d	0d
SE1400200	Landmains in phase 2	Cal_4	11m	C	03JUN14	23JUN14	25	25	14JUL14	31JUL14	0	13d	0d
SE1400300	Landmains in phase 3	Cal_4	11m	C	14JUL14	31JUL14	25	25	20AUG14	10SEP14	0	13d	0d
SE1400400	Landmains in phase 4	Cal_4	11m	C	20AUG14	10SEP14	25	25	30SEP14	22OCT14	0	13d	0d
SE1400500	Landmains in phase 5	Cal_4	11m	C	30SEP14	23OCT14	25	25	12NOV14	02DEC14	0	13d	0d
SE1400600	Landmains in phase 6	Cal_4	11m	C	12NOV14	02DEC14	25	25	22DEC14	14JAN15	0	13d	0d
SE1400700	Landmains in phase 7	Cal_4	11m	C	22DEC14	14JAN15	25	25	03FEB15	24FEB15	0	13d	0d
SE1400800	Landmains in phase 8	Cal_4	11m	C	03FEB15	24FEB15	25	25	16MAR15	02APR15	0	13d	0d



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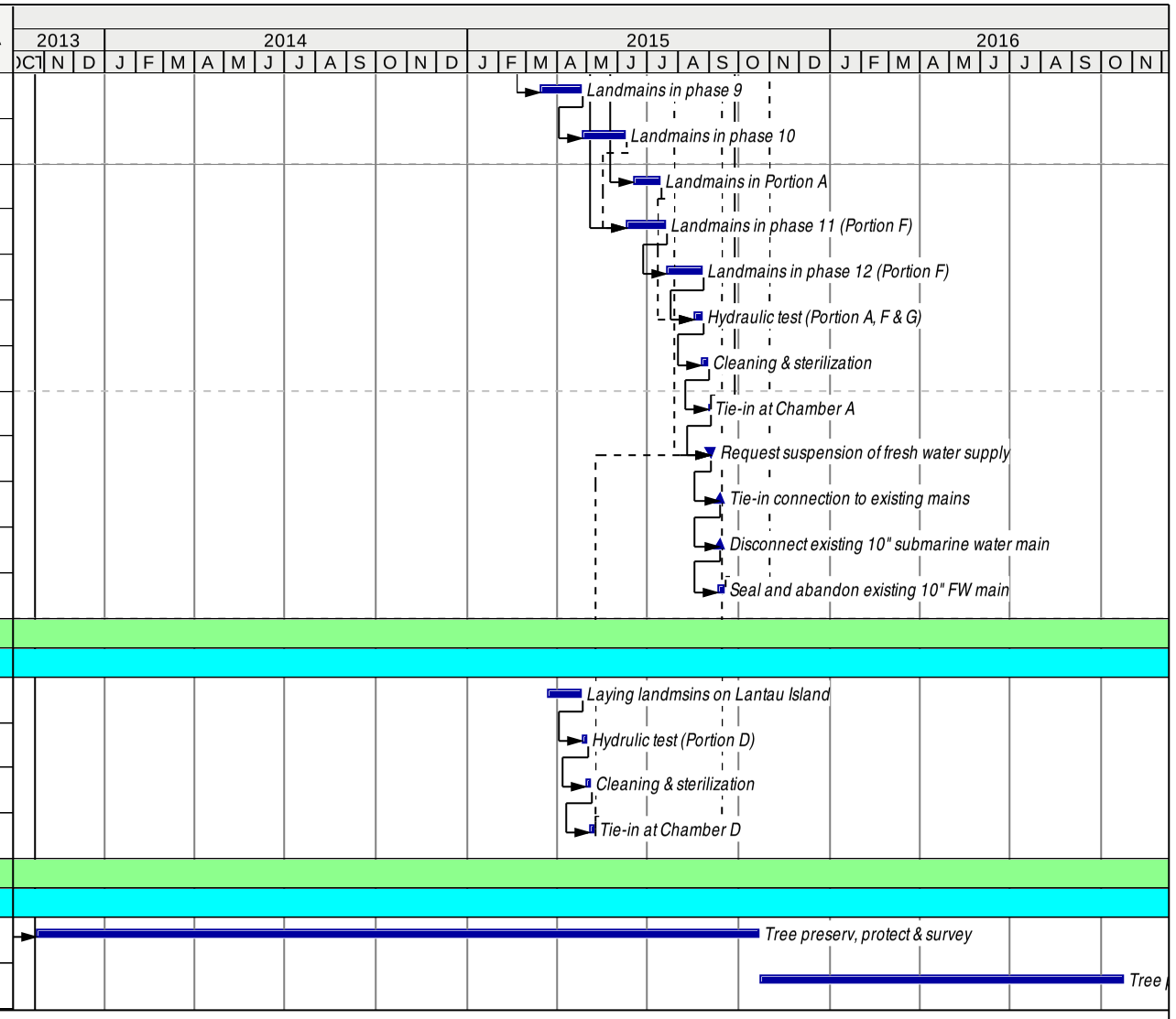
Early bar
Progress bar
Start milestone point
Finish milestone point

Activity ID	Description	Calendar	Ind Qty	Sch	Early Start	Late Start	Origi Dur	Rem Dur	Early Finish	Late Finish	Free Float	Total Float	TRA
SE1400900	Landmains in phase 9	Cal_4	11m	C	16MAR15	02APR15	25	25	27APR15	19MAY15	0	13d	0d
SE1401000	Landmains in phase 10	Cal_4	11m	C	28APR15	19MAY15	25	25	09JUN15	29JUN15	1d	13d	0d
SE1401050	Landmains in Portion A	Cal_2	32m	C	18JUN15	08AUG15	25	25	15JUL15	03SEP15	32d	49d	0d
SE1401100	Landmains in phase 11 (Portion F)	Cal_4	15m	C	10JUN15	29JUN15	25	25	21JUL15	06AUG15	0	12d	0d
SE1401200	Landmains in phase 12 (Portion F)	Cal_4	15m	C	21JUL15	06AUG15	25	25	27AUG15	15SEP15	0	12d	0d
SE1401300	Hydraulic test (Portion A, F & G)	Cal_4		C	18AUG15	03SEP15	6	6	26AUG15	14SEP15	0	12d	0d
SE1401400	Cleaning & sterilization	Cal_4		C	26AUG15	14SEP15	3	3	01SEP15	17SEP15	0	12d	0d
SE1401500	Tie-in at Chamber A	Cal_2			01SEP15	17SEP15	3	3	03SEP15	21SEP15	0	16d	0d
SE1401600	Request suspension of fresh water supply	Cal_2			03SEP15	09OCT15	0	0			0	32d	0d
SE1401700	Tie-in connection to existing mains	Cal_2					0	0	11SEP15	16OCT15	0	32d	0d
SE1401800	Disconnect existing 10" submarine water main	Cal_2					0	0	11SEP15	16OCT15	0	32d	0d
SE1401900	Seal and abandon existing 10" FW main	Cal_2			11SEP15	16OCT15	7	7	18SEP15	23OCT15	16d	32d	0d
Sec 1 Main Laying on Lantau Island													
SE1500100	Laying landmsins on Lantau Island	Cal_2	27m	C	24MAR15	24MAR15	30	30	27APR15	27APR15	0	0	0d
SE1500200	Hydrulic test (Portion D)	Cal_2			27APR15	26SEP15	4	4	02MAY15	03OCT15	0	142d	0d
SE1500300	Cleaning & sterilization	Cal_2			02MAY15	03OCT15	3	3	05MAY15	06OCT15	0	142d	0d
SE1500400	Tie-in at Chamber D	Cal_2			05MAY15	06OCT15	3	3	09MAY15	09OCT15	97d	142d	0d
Sec 2 Landscaping													
SE2000050	Tree preserv, protect & survey	Cal_1		D	24OCT13	26OCT14	729	729	22OCT15	23OCT16	367d	367d	0d
SE2000100	Tree planting and Establishment period	Cal_1		D	24OCT15	24OCT15	366	366	23OCT16	23OCT16	0	0	0d



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