K. Summary of Water Quality Monitoring associated with Ecological Monitoring conducted

Table K1. Water quality at WRA during the reporting month

Cell No.	Temp. (ºC)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)
1	24.0	7.92	0.21	13.1	7.0	180
2	24.1	7.90	0.19	9.2	6.9	160
3	24.1	7.88	0.18	8.9	7.4	170
4	24.2	8.00	0.17	7.6	7.1	170
Action Level	-	<6.5 or >8.0	>2	-	<2	<150 or >250
Limit Level	-	<6.0 or >8.5	>5	-	<1	-

Note: Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underline** indicate that limit level is reached.

Table K2. Additional Water quality at WRA (in September 2016)

Cell No.	Ammonia (mg/L)	Total oxidized nitrogen (mg/L)	Total P (mg/L)	Reactive P (mg/L)	BOD (mg/L)
1	0.06	0.02	0.03	<0.01	<2
2	0.05	0.01	0.04	<0.01	3
3	0.04	0.02	0.04	<0.01	4
4	0.06	0.02	0.02	<0.01	2
Action Level	>3	>5	>5	-	-
Limit Level	>6	>10	>10	-	-

Note: Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underline** indicate that limit level is reached.

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Tel: 2242 1020 Fax: 3691 9240 e-mail: thomas.wong@eno.com.hk

Job No.	ERC_0439	Client :	Eco-Education Resources Centre
Date of Monitoring	13th October 2016		Rm. 2314, 23/F., Park-In Commercial Centre, 56 Dundas Street, Mongkok, Kowloon.
Condition of Monitoring	Fine	Attention :	Dr. Michelle M.S. Cheung

In-situ Monitoring Result

Monitoring Location	Time	Temp. (oC)	pH	DO (mg/L)	DOS (%)	Conductivity (uS/cm)	Salinity (ppt)	Turbidity (NTU)
WM1	14:15	24.0	7.92	7.0	83.7	459	0.21	13.1
WM2	14:22	24.1	7.90	6.9	84.1	422	0.19	9.2
WM3	14:26	24.1	7.88	7.4	89	388	0.18	8.9
WM4	14:33	24.2	8.00	7.1	85.9	367	0.17	7.6

Authorised Signature

Thomas Wong (Technical Advisor)
30th October 2016

CERTIFICATE OF ANALYSIS

Client	: **ENOVATIVE ENVIRONMENTAL SERVICE LTD**	*Laboratory*	: **ALS Technichem (HK) Pty Ltd**	*Page*	: **1 of 3**		
Contact	: **MR THOMAS WONG**	*Contact*	: **Fung Lim Chee, Richard**	*Work Order*	: **HK1637570**		
Address	: **RM811, HIN PUI HOUSE, HIN KENG ESTATE, TAI WAI, N.T. HONG KONG**	*Address*	: **11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong**	*Amendment No.*	: **1**		
E-mail	: **Thomas.wong@eno.com.hk**	*E-mail*	: **Richard.Fung@alsglobal.com**				
Telephone	: **----**	*Telephone*	: **+852 2610 1044**				
Facsimile	: **----**	*Facsimile*	: **+852 2610 2021**				
Project	: **WO SHANG WAI**	*Quote number*	: **HK/1653/2014**	*Date received*	: **14-SEP-2016**		
Order number	: **----**			*Date of issue*	: **27-SEP-2016**		
C-O-C number	: **----**			*No. of samples*	- *Received* : **8**		
Site	: **----**				- *Analysed* : **8**		

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1637570_1 supersedes any previous reports with this reference. The testing period is from 14-SEP-2016 to 26-SEP-2016. 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 HK1637570 :

Sample(s) were received in chilled condition.

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

This document has been signed by those names that appear on this report and are the authorised signatories.

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

Analytical Results

Sub-Matrix: **WATER**

Compound			EK055K: Ammonia as N	EK059A: Nitrite + Nitrate as N	EK067P: Total Phosphorus as P	EK071K: Reactive Phosphorus as P	EP030: Biochemical Oxygen Demand
LOR Unit			0.01 mg/L	0.01 mg/L	0.01 mg/L	0.01 mg/L	2 mg/L
Client sample ID	Client sampling date / time	Laboratory sample ID	ED/EK: Inorganic Nonmetallic Parameters	ED/EK: Inorganic Nonmetallic Parameters	ED/EK: Inorganic Nonmetallic Parameters	ED/EK: Inorganic Nonmetallic Parameters	EP: Aggregate Organics
WM1-1 (POND WATER)	[14-SEP-2016]	HK1637570-001	**0.06**	**0.02**	**0.03**	<0.01	<2
WM1-2 (POND WATER)	[14-SEP-2016]	HK1637570-002	**0.05**	**0.02**	**0.03**	<0.01	<2
WM2-1 (POND WATER)	[14-SEP-2016]	HK1637570-003	**0.04**	**0.01**	**0.04**	<0.01	**3**
WM2-2 (POND WATER)	[14-SEP-2016]	HK1637570-004	**0.05**	**0.01**	**0.04**	<0.01	**2**
WM3-1 (POND WATER)	[14-SEP-2016]	HK1637570-005	**0.03**	**0.02**	**0.04**	<0.01	**3**
WM3-2 (POND WATER)	[14-SEP-2016]	HK1637570-006	**0.05**	**0.02**	**0.03**	<0.01	**4**
WM4-1 (POND WATER)	[14-SEP-2016]	HK1637570-007	**0.05**	**0.02**	**0.02**	<0.01	**2**
WM4-2 (POND WATER)	[14-SEP-2016]	HK1637570-008	**0.06**	**0.01**	**0.02**	<0.01	<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 (%)
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 4306518)								
HK1637176-001	Anonymous	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.02	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 4307063)								
HK1637631-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 4308318)								
HK1637570-008	WM4-2 (POND WATER)	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.02	0.0
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 4308321)								
HK1637570-001	WM1-1 (POND WATER)	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.06	0.07	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
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4306518)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	106	----	84	116	----	----
				----	0.4 mg/L	104	----	95	111	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4307063)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	102	----	96	106	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4308318)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	99.9	----	93	103	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4308321)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	98.1	----	93	109	----	----
EP: Aggregate Organics (QCLot: 4307117)											
EP030: Biochemical Oxygen Demand	----	2	mg/L	----	198 mg/L	99.1	----	84	120	----	----

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

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
				Concentration	MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4306518)										
HK1637176-001	Anonymous	EK059A: Nitrite + Nitrate as N	----	1.0 mg/L	97.0	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4307063)										
HK1637631-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	100	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4308318)										
HK1637570-008	WM4-2 (POND WATER)	EK067P: Total Phosphorus as P	----	0.5 mg/L	116	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 4308321)										
HK1637570-001	WM1-1 (POND WATER)	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	110	----	75	125	----	----