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

Table K1. Water quality at WRA during the reporting month

Cell No.	Temp. (°C)	pH	Additional pH Monitoring	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (regular monitoring) (cm)	Additional Water Level Monitoring (cm)
1	30.2	7.17	7.21	0.36	17.3	6.8	160	160
2	30.6	7.66	7.70	0.30	13.6	6.6	**130**	**130**
3	30.6	7.88	7.92	0.39	14.8	6.8	160	160
4	30.3	7.67	7.52	0.37	7.9	6.4	160	160
Action Level	-	<6.5 or >8.0	<6.5 or >8.0	>2	-	<2	<150 or >250	<150 or >250
Limit Level	-	<6.0 or >8.5	<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. In situ water quality at WRA during March 2019

Cell No.	Ammonia (mg/L)	Total oxidized nitrogen (mg/L)	Total P (mg/L)	Reactive P (mg/L)	BOD (mg/L)
1	0.18	0.12	<0.01	0.03	<2
2	0.15	0.06	<0.01	0.06	<2
3	0.13	0.15	<0.01	0.03	<2
4	0.08	0.06	<0.01	0.02	<2
Action Level	>3	>5	>5	-	-
Limit Level	>6	>10	>10	-	-

Notes:
(1) Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underline** indicate that limit level is reached.
(2) The laboratory data was not available when the EM&A Report for March 2019 was prepared.

CERTIFICATE OF ANALYSIS

Client	:	ENOVATIVE ENVIRONMENTAL SERVICE LTD	*Laboratory*	:	ALS Technichem (HK) Pty Ltd	*Page*	: 1 of 5
Contact	:	MR THOMAS WONG	*Contact*	:	Richard Fung	*Work Order*	: **HK1913326**
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		
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Project	:	WO SHANG WAI				*Date received*	: 29-Mar-2019
Order number	:		*Quote number*	:	HKE/2894/2017	*Date of issue*	: 08-Apr-2019
C-O-C number	:	—				*No. of samples*	- *Received* : 12
Site	:	—					- *Analysed* : 12

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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**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1913326 supersedes any previous reports with this reference. Testing period is from 29-Mar-2019 to 04-Apr-2019. 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 HK1913326 :

Sample(s) were received in chilled condition.

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

Analytical Results

Sub-Matrix: **POND WATER**

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EK055K: Ammonia as N	EK059A: Nitrite + Nitrate as N	EK071K: Reactive Phosphorus as P	EK067P: Total 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
				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	29-Mar-2019	HK1913326-001		**0.18**	**0.13**	<0.01	**0.04**	<2
WM1-2	29-Mar-2019	HK1913326-002		**0.18**	**0.11**	<0.01	**0.03**	<2
WM1-3	29-Mar-2019	HK1913326-003		**0.18**	**0.11**	<0.01	**0.03**	<2
WM2-1	29-Mar-2019	HK1913326-004		**0.13**	**0.07**	<0.01	**0.06**	<2
WM2-2	29-Mar-2019	HK1913326-005		**0.17**	**0.06**	<0.01	**0.06**	<2
WM2-3	29-Mar-2019	HK1913326-006		**0.16**	**0.06**	<0.01	**0.07**	<2
WM3-1	29-Mar-2019	HK1913326-007		**0.14**	**0.16**	<0.01	**0.03**	<2
WM3-2	29-Mar-2019	HK1913326-008		**0.13**	**0.15**	<0.01	**0.02**	<2
WM3-3	29-Mar-2019	HK1913326-009		**0.12**	**0.14**	<0.01	**0.03**	<2
WM4-1	29-Mar-2019	HK1913326-010		**0.07**	**0.06**	<0.01	**0.02**	<2
WM4-2	29-Mar-2019	HK1913326-011		**0.08**	**0.06**	<0.01	**0.02**	<2
WM4-3	29-Mar-2019	HK1913326-012		**0.08**	**0.07**	<0.01	**0.02**	<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: 2267455)								
HK1913157-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.00
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 2267516)								
HK1913326-010	WM4-1	EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	0.06	0.06	0.00
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 2269403)								
HK1913072-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	0.08	0.08	0.00
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 2270761)								
HK1912917-010	Anonymous	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.02	0.00
ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 2270763)								
HK1913326-010	WM4-1	EK067P: Total Phosphorus as P	----	0.01	mg/L	0.02	0.02	0.00

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: 2267455)											
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	96.5	----	94	108	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2267516)											
EK059A: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.05 mg/L	103	----	84	118	----	----
				<0.01	0.4 mg/L	106	----	98	112	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2269403)											
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	103	----	88	109	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2270761)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	96.9	----	90	104	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2270763)											
EK067P: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.5 mg/L	98.1	----	90	104	----	----
EP: Aggregate Organics (QCLot: 2267170)											
EP030: Biochemical Oxygen Demand	----	----	mg/L	----	198 mg/L	112	----	84	119	----	----

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

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
					MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2267455)										
HK1913157-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	87.2	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2267516)										
HK1913326-010	WM4-1	EK059A: Nitrite + Nitrate as N	----	0.5 mg/L	94.9	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2269403)										
HK1913072-001	Anonymous	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	94.0	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2270761)										
HK1912917-010	Anonymous	EK067P: Total Phosphorus as P	----	0.5 mg/L	83.9	----	75	125	----	----
ED/EK: Inorganic Nonmetallic Parameters (QCLot: 2270763)										
HK1913326-010	WM4-1	EK067P: Total Phosphorus as P	----	0.5 mg/L	101	----	75	125	----	----