

Summary Report - Water Quality - Routine Water Quality Monitoring for CMP 1

Date: 7 August 2014

Station ID	Replicate	Arsenic ug/L	Cadmium ug/L	Chromium ug/L	Copper ug/L	Lead ug/L	Mercury ug/L	Nickel ug/L	Silver ug/L	Zinc ug/L	NH3-N mg/L	TIN mg/L	BOD5 mg/L	SS mg/L
Reporting Limit		1.0	0.1	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.005	0.015	0.5	2
SB-IPE1	1	2.4	<0.1	<1	<1	<1	<0.1	1.5	<1	11	0.012	0.752	1.4	6
SB-IPE1	2	2.3	<0.1	<1	<1	<1	<0.1	1.8	<1	16	0.043	0.793	1.4	6
SB-IPE1	3	2.7	<0.1	<1	<1	<1	<0.1	2	<1	7.9	0.012	0.722	1.4	5
SB-IPE1	4	1.7	<0.1	<1	<1	<1	<0.1	1.8	<1	11	<0.005	0.6725	1.4	6
SB-IPE1	5	1.9	<0.1	4.7	<1	<1	<0.1	1.9	<1	7.4	0.03	0.81	1.4	7
SB-IPE1	6	1.8	<0.1	1.2	<1	<1	<0.1	1.6	<1	12	0.11	0.9	1.4	7
SB-IPE1	7	2.3	<0.1	<1	1.2	<1	<0.1	2	<1	8.8	0.12	0.9	1.4	7
SB-IPE1	8	2.3	<0.1	<1	<1	<1	<0.1	1.6	<1	12	0.031	0.811	1.4	7
SB-IPE2	1	2.1	0.16	<1	13	1.2	<0.1	2.3	<1	15	0.043	0.743	1.4	7
SB-IPE2	2	1.6	0.17	<1	21	1.4	<0.1	1.9	<1	17	0.048	0.788	1.4	7
SB-IPE2	3	2.1	0.16	<1	9.8	<1	<0.1	2.1	<1	14	0.076	0.886	1.4	7
SB-IPE2	4	1.9	0.2	2.3	18	1.1	<0.1	2.2	<1	13	0.045	0.725	1.4	7
SB-IPE2	5	1.9	0.18	<1	21	<1	<0.1	1.7	<1	13	0.099	0.919	1.3	6
SB-IPE2	6	1.9	0.17	<1	17	1.3	<0.1	2.4	<1	17	0.096	0.906	1.3	6
SB-IPE2	7	1.6	0.19	1	15	3.1	<0.1	2.8	<1	18	0.18	1	1.2	6
SB-IPE2	8	1.2	0.21	<1	13	1.1	<0.1	2.6	<1	13	0.054	0.824	1.2	5
SB-IPE3	1	2	0.14	1.1	4.9	<1	<0.1	2.4	<1	12	0.089	0.999	1.4	8
SB-IPE3	2	2.2	0.18	2.2	7.7	<1	<0.1	3.4	<1	21	0.093	0.993	1.4	7
SB-IPE3	3	2	0.15	<1	6.9	<1	<0.1	2.4	<1	19	0.064	0.974	1.4	8
SB-IPE3	4	1.3	0.16	<1	7.6	<1	<0.1	2.6	<1	21	0.11	0.94	1.4	7
SB-IPE3	5	2.5	0.21	1.2	7.7	<1	<0.1	2.8	<1	16	0.15	1.06	1.4	7
SB-IPE3	6	2.8	0.27	2.6	13	1.1	<0.1	2.8	<1	17	0.085	0.985	1.4	7
SB-IPE3	7	2.8	0.17	1.3	11	<1	<0.1	2.3	<1	21	0.1	1.01	1.4	8
SB-IPE3	8	2.5	0.12	<1	13	<1	<0.1	2.1	<1	23	0.025	0.765	1.5	8
SB-IPE4	1	3.3	<0.1	<1	4.3	<1	<0.1	3.1	<1	10	0.013	0.753	1.1	18
SB-IPE4	2	2.9	<0.1	<1	<1	<1	<0.1	2	<1	14	0.083	0.973	1.2	15
SB-IPE4	3	2.8	<0.1	<1	<1	<1	<0.1	2.1	<1	16	0.082	0.982	1.1	14
SB-IPE4	4	2.1	<0.1	<1	<1	<1	<0.1	1.4	<1	13	0.03	0.91	1.1	13
SB-IPE4	5	2.4	<0.1	<1	<1	<1	<0.1	1.4	<1	21	0.084	0.974	1.1	13
SB-IPE4	6	2.7	<0.1	<1	<1	<1	<0.1	2.1	<1	11	0.054	0.954	1.1	13
SB-IPE4	7	1.8	<0.1	1.4	<1	<1	<0.1	1.9	<1	10	0.07	0.97	1.1	15
SB-IPE4	8	2.6	<0.1	<1	<1	<1	<0.1	2.4	<1	10	0.044	0.944	1.1	15
SB-IPE5	1	1.7	<0.1	<1	<1	<1	<0.1	1.5	<1	11	0.06	0.53	1.3	8
SB-IPE5	2	2.5	<0.1	<1	<1	<1	<0.1	1.7	<1	11	0.022	0.562	1.3	8
SB-IPE5	3	2.4	<0.1	2.1	<1	<1	<0.1	2.1	<1	5.4	0.021	0.591	1.3	9
SB-IPE5	4	1.8	<0.1	<1	<1	<1	<0.1	1.2	<1	12	0.013	0.493	1.2	9
SB-IPE5	5	1.9	<0.1	<1	<1	<1	<0.1	1.5	<1	17	0.023	0.523	1.2	8
SB-IPE5	6	2.2	<0.1	<1	3.4	<1	<0.1	1.5	<1	27	0.031	0.561	1.2	8
SB-IPE5	7	1.7	<0.1	<1	<1	<1	<0.1	1.5	<1	13	0.021	0.511	1.2	8
SB-IPE5	8	2.1	<0.1	<1	<1	<1	<0.1	1.5	<1	13	0.02	0.6	1.2	8
SB-INE1	1	1.4	<0.1	<1	12	1.9	<0.1	1.1	<1	19	0.071	0.581	1.5	8
SB-INE1	2	2.1	<0.1	<1	11	<1	<0.1	1.3	<1	14	0.047	0.527	1.4	8
SB-INE1	3	1.6	0.11	<1	15	1.1	<0.1	1.2	<1	13	0.03	0.39	1.4	9
SB-INE1	4	2.2	<0.1	<1	8.5	<1	<0.1	<1	<1	8.8	0.052	0.572	1.5	10
SB-INE1	5	2.2	<0.1	<1	9.3	1.5	<0.1	1.7	<1	22	0.026	0.386	1.4	9
SB-INE1	6	1.9	<0.1	<1	11	3.4	<0.1	1.4	<1	37	0.023	0.423	1.4	9
SB-INE1	7	1.7	<0.1	<1	13	1.6	<0.1	1.8	<1	26	0.065	0.495	1.4	9
SB-INE1	8	2.3	<0.1	<1	14	1.2	<0.1	2.6	<1	21	0.05	0.59	1.5	7
SB-INE2	1	2.2	0.33	1.2	26	1.6	<0.1	1.8	<1	30	0.02	0.68	1	7
SB-INE2	2	2.1	0.12	3.2	23	1.2	<0.1	1.7	<1	42	0.062	0.792	1	8
SB-INE2	3	1.9	<0.1	<1	19	1.2	<0.1	1.5	<1	29	0.058	0.798	1	7
SB-INE2	4	1.6	0.14	<1	19	1.1	<0.1	1.4	<1	26	0.066	0.806	1	8
SB-INE2	5	2.1	<0.1	<1	4	<1	<0.1	1.4	<1	24	0.038	0.668	1	7
SB-INE2	6	2.1	0.11	<1	13	<1	<0.1	3.4	<1	14	0.036	0.706	1	7
SB-INE2	7	1.6	<0.1	<1	20	1.2	<0.1	1.5	<1	28	0.016	0.686	1	7
SB-INE2	8	1.7	<0.1	<1	19	1.3	<0.1	1.6	<1	27	0.045	0.705	1	7
SB-INE3	1	2	<0.1	<1	3.7	<1	<0.1	1.2	<1	12	0.054	0.604	1.3	12
SB-INE3	2	2.4	<0.1	<1	3.3	<1	<0.1	1.2	<1	11	0.071	0.611	1.2	12
SB-INE3	3	2.8	<0.1	<1	4.4	<1	<0.1	1.3	<1	13	0.13	0.78	1.2	12
SB-INE3	4	1.7	<0.1	<1	5.1	1	<0.1	1.5	<1	12	0.13	0.77	1.2	13
SB-INE3	5	2.5	<0.1	<1	7.4	<1	<0.1	1.5	<1	15	0.093	0.733	1.3	12
SB-INE3	6	2.2	<0.1	<1	6.8	1.2	<0.1	1.5	<1	14	0.12	0.78	1.3	13
SB-INE3	7	2	0.13	1.9	6.4	1	<0.1	1.4	<1	13	0.1	0.7	1.3	13
SB-INE3	8	2.1	<0.1	<1	5.1	<1	<0.1	<1	<1	14	0.11	0.66	1.3	14
SB-INE4	1	2	<0.1	1.2	4.4	<1	<0.1	3.6	<1	9.8	0.017	0.417	1.4	6
SB-INE4	2	2	<0.1	<1	1.3	<1	<0.1	1.9	<1	7.7	0.02	0.48	1.4	8
SB-INE4	3	1.9	<0.1	<1	7.3	<1	<0.1	2	<1	11	0.028	0.408	1.4	8
SB-INE4	4	1.9	<0.1	<1	1.5	<1	<0.1	1.6	<1	11	0.031	0.501	1.4	7
SB-INE4	5	1.5	<0.1	1.1	1.2	<1	<0.1	2.3	<1	10	0.031	0.591	1.4	7
SB-INE4	6	2.8	<0.1	<1	1.8	<1	<0.1	1.7	<1	8.8	0.035	0.565	1.5	6
SB-INE4	7	1.9	<0.1	<1	2.1	<1	<0.1	2	<1	23	0.03	0.55	1.5	7
SB-INE4	8	1.5	<0.1	<1	1	<1	<0.1	1.5	<1	12	0.052	0.652	1.5	6
SB-INE5	1	1.9	<0.1	<1	<1	<1	<0.1	<1	<1	12	0.12	0.65	1.3	11
SB-INE5	2	2.5	<0.1	1.8	<1	<1	<0.1	<1	<1	11	0.11	0.64	1.3	10
SB-INE5	3	2.9	<0.1	1.2	<1	<1	<0.1	<1	<1	8.4	0.1	0.63	1.2	10
SB-INE5	4	2.5	0.14	1.1	8.9	1.7	<0.1	1.3	<1	18	0.15	0.68	1.2	10
SB-INE5	5	1.7	<0.1	<1	<1	<1	<0.1	<1	<1	9.2	0.11	0.65	1.2	9

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Date: 7 August 2014

Station ID	Replicate	Arsenic ug/L	Cadmium ug/L	Chromium ug/L	Copper ug/L	Lead ug/L	Mercury ug/L	Nickel ug/L	Silver ug/L	Zinc ug/L	NH3-N mg/L	TIN mg/L	BOD5 mg/L	SS mg/L
Reporting Limit		1.0	0.1	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.005	0.015	0.5	2
SB-INE5	6	2.3	<0.1	2.3	<1	<1	<0.1	<1	<1	9.1	0.11	0.64	1.1	8
SB-INE5	7	2.2	<0.1	<1	<1	<1	<0.1	<1	<1	4.7	0.13	0.66	1.1	8
SB-INE5	8	2.9	<0.1	<1	<1	<1	<0.1	<1	<1	7.1	0.2	0.73	1.1	8
SB-RFE1	1	1.5	<0.1	1.2	6.1	<1	<0.1	1.5	<1	11	0.08	0.78	1.1	9
SB-RFE1	2	2.6	<0.1	<1	6.3	<1	<0.1	1.1	<1	32	0.081	0.781	1.1	10
SB-RFE1	3	2.1	<0.1	<1	6.5	<1	<0.1	1.5	<1	8.7	0.081	0.791	1.1	11
SB-RFE1	4	1.7	<0.1	<1	6.2	<1	<0.1	1.3	<1	12	0.1	0.84	1.1	12
SB-RFE1	5	1.5	<0.1	<1	6.9	<1	<0.1	1.7	<1	15	0.11	0.87	1.1	12
SB-RFE1	6	1.9	<0.1	<1	7	<1	<0.1	1.5	<1	13	0.087	0.807	1.1	11
SB-RFE1	7	1.6	<0.1	1	7.9	<1	<0.1	1.2	<1	27	0.1	0.84	1	11
SB-RFE1	8	1.5	<0.1	<1	6.5	<1	<0.1	1.7	<1	13	0.1	0.84	1	11
SB-RFE2	1	1.5	<0.1	1.4	17	1.5	<0.1	1.4	<1	24	0.12	0.81	1	14
SB-RFE2	2	2.3	<0.1	<1	11	<1	<0.1	1.6	<1	17	0.085	0.825	1.1	15
SB-RFE2	3	2.2	<0.1	1.7	10	<1	<0.1	1.6	<1	16	0.066	0.686	1.1	14
SB-RFE2	4	1.9	<0.1	<1	23	1.2	<0.1	1.2	<1	21	0.079	0.759	1.1	13
SB-RFE2	5	2	<0.1	1.3	10	1.1	<0.1	1.3	<1	24	0.06	0.75	1.1	13
SB-RFE2	6	2.5	<0.1	<1	12	1.1	<0.1	2.1	<1	26	0.092	0.792	1	13
SB-RFE2	7	1.8	<0.1	<1	14	1.2	<0.1	1.8	<1	24	0.16	0.9	1.1	13
SB-RFE2	8	1.7	<0.1	<1	9.4	1.7	<0.1	1.1	<1	13	0.12	0.86	1.1	13
SB-RFE3	1	2.5	<0.1	3.3	13	3.9	<0.1	1.8	<1	23	0.14	0.52	1.3	20
SB-RFE3	2	2.3	<0.1	3.1	13	3.9	<0.1	2.2	<1	20	0.11	0.44	1.3	22
SB-RFE3	3	1.9	<0.1	2.2	16	3.9	<0.1	1.9	<1	25	0.16	0.55	1.3	22
SB-RFE3	4	2.3	<0.1	1.9	64	3.6	<0.1	1.8	<1	29	0.058	0.398	1.3	22
SB-RFE3	5	2.2	<0.1	2.7	13	3.8	<0.1	2.1	<1	22	0.14	0.5	1.2	21
SB-RFE3	6	1.8	<0.1	2.4	12	3.6	<0.1	2.2	<1	20	0.072	0.412	1.3	22
SB-RFE3	7	2.3	<0.1	2.1	11	4.4	<0.1	2.2	<1	23	0.12	0.47	1.3	20
SB-RFE3	8	1.8	<0.1	12	15	4.3	<0.1	2.9	<1	24	0.1	0.47	1.3	20
SB-RFE4	1	1.9	<0.1	1.1	6	1.8	<0.1	<1	<1	14	0.072	0.442	1.2	18
SB-RFE4	2	2	<0.1	1.2	6.5	1.8	<0.1	<1	<1	11	0.09	0.53	1.2	18
SB-RFE4	3	1.3	<0.1	<1	2.9	1.4	<0.1	<1	<1	9.9	0.11	0.57	1.2	18
SB-RFE4	4	2.1	<0.1	1.2	2.1	1.3	<0.1	<1	<1	6.7	0.12	0.57	1.2	18
SB-RFE4	5	1.6	<0.1	<1	2.8	1.4	<0.1	<1	<1	11	0.09	0.54	1.3	18
SB-RFE4	6	2.1	<0.1	<1	2	1.4	<0.1	<1	<1	6.4	0.1	0.55	1.2	18
SB-RFE4	7	1.5	0.18	<1	3.5	1.7	<0.1	1.1	<1	9.3	0.071	0.501	1.2	18
SB-RFE4	8	1.6	<0.1	2.7	6.8	1.7	<0.1	<1	<1	19	0.062	0.492	1.2	18
SB-RFE5	1	1.5	<0.1	<1	1	<1	<0.1	<1	<1	8.2	0.04	0.37	1.4	13
SB-RFE5	2	1	<0.1	<1	<1	<1	<0.1	<1	<1	24	0.068	0.428	1.4	14
SB-RFE5	3	1.4	<0.1	<1	1.7	<1	<0.1	<1	<1	9.5	0.062	0.422	1.4	12
SB-RFE5	4	1	<0.1	1.5	1	<1	<0.1	<1	<1	8.4	0.047	0.367	1.4	14
SB-RFE5	5	2.1	<0.1	<1	<1	1.2	<0.1	<1	<1	19	0.07	0.45	1.5	13
SB-RFE5	6	1.9	<0.1	<1	<1	<1	<0.1	<1	<1	9.2	0.057	0.407	1.5	13
SB-RFE5	7	1.3	<0.1	<1	<1	<1	<0.1	1	<1	5.2	0.069	0.419	1.5	14
SB-RFE5	8	2.1	<0.1	<1	1.1	<1	<0.1	<1	<1	6.8	0.15	0.51	1.5	15
MW1	1	1.9	<0.1	<1	1.6	1.9	<0.1	1.1	<1	20	0.1	0.55	1	8
MW1	2	1.7	0.11	<1	1.4	<1	<0.1	<1	<1	22	0.1	0.54	1	8
MW1	3	1.8	<0.1	<1	1.2	<1	<0.1	<1	<1	15	0.13	0.58	1	9
MW1	4	2	<0.1	1.2	<1	1	<0.1	<1	<1	14	0.094	0.534	1	9
MW1	5	1.2	<0.1	<1	1.5	<1	<0.1	<1	<1	19	0.13	0.57	1	10
MW1	6	2.2	0.36	7.9	71	12	<0.1	9.7	<1	96	0.062	0.472	1	8
MW1	7	2.1	<0.1	<1	1.9	1.8	<0.1	<1	<1	20	0.11	0.55	1.1	7
MW1	8	1.1	0.11	<1	1.7	<1	<0.1	<1	<1	18	0.095	0.535	1	7
THB1	1	1.5	0.13	<1	4.6	<1	<0.1	2.8	<1	23	0.046	0.716	1.5	6
THB1	2	1.9	<0.1	<1	7.6	<1	<0.1	2.9	<1	8.3	0.024	0.724	1.5	7
THB1	3	2.1	<0.1	<1	6.4	<1	<0.1	2	<1	6.1	0.037	0.707	1.4	7
THB1	4	1.6	0.13	<1	5.6	<1	<0.1	4.1	<1	18	0.04	0.75	1.5	7
THB1	5	1.5	<0.1	1	1.8	2.1	<0.1	2.2	<1	16	0.027	0.697	1.5	7
THB1	6	1.5	0.11	<1	7.6	<1	<0.1	4	<1	12	0.025	0.715	1.5	7
THB1	7	2.4	<0.1	1	1.4	<1	<0.1	1.9	<1	15	0.099	0.779	1.5	7
THB1	8	2.4	<0.1	1.6	2.5	1.3	<0.1	1.8	<1	39	0.03	0.77	1.5	8
THB2	1	1	0.14	<1	<1	<1	<0.1	<1	<1	9.1	0.079	0.659	1.3	6
THB2	2	1.4	0.17	<1	<1	1.2	<0.1	1.1	<1	12	0.07	0.65	1.3	6
THB2	3	<1	0.19	<1	2.4	<1	<0.1	1	<1	11	0.062	0.642	1.3	6
THB2	4	<1	0.32	<1	1.1	<1	<0.1	1.1	<1	17	0.4042	0.8542	1.3	6
THB2	5	<1	0.19	<1	<1	<1	<0.1	<1	<1	8.6	0.089	0.679	1.3	7
THB2	6	2.6	0.17	<1	<1	<1	<0.1	1.2	<1	7.8	0.035	0.545	1.3	7
THB2	7	1.1	0.2	<1	3	<1	<0.1	1.3	<1	6.4	0.024	0.504	1.3	7
THB2	8	2.4	0.23	<1	1.4	<1	<0.1	1.1	<1	12	0.059	0.639	1.3	7
WSR45C	1	1.9	4.7	1.4	8.3	1.6	<0.1	4.7	<1	51	0.15	0.94	1.2	12
WSR45C	2	2.2	4.4	<1	7.8	1.6	<0.1	5.4	<1	53	0.089	0.849	1.2	11
WSR45C	3	2.3	3.9	<1	5.8	1.4	<0.1	5	<1	46	0.058	0.778	1.2	11
WSR45C	4	2.3	3.4	<1	6.7	1.4	<0.1	4.6	<1	58	0.065	0.785	1.2	12
WSR45C	5	2	8.2	1.4	9.9	3.6	<0.1	6.2	<1	57	0.045	0.675	1.2	11
WSR45C	6	2.2	10	<1	9.9	2	<0.1	5.9	<1	49	0.095	0.815	1.2	11
WSR45C	7	2.8	6	<1	11	1.9	<0.1	5.9	<1	65	0.1	0.81	1.2	10
WSR45C	8	2.3	5.6	<1	7.5	2	<0.1	5.5	<1	52	0.17	0.92	1.1	11
WSR46	1	2.2	<0.1	<1	<1	<1	<0.1	1.2	<1	10	0.079	0.659	1.4	15
WSR46	2	2.6	0.11	1.3	4.8	1.1	<0.1	1.5	<1	11	0.11	0.73	1.5	14

Summary Report - Water Quality - Routine Water Quality Monitoring for CMP 1

Date: 7 August 2014

Station ID	Replicate	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	NH3-N	TIN	BOD5	SS
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L
Reporting Limit		1.0	0.1	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.005	0.015	0.5	2
WSR46	3	3	0.11	<1	4.8	1.2	<0.1	1.4	<1	10	0.11	0.75	1.4	13
WSR46	4	1.9	<0.1	<1	4.8	1.4	<0.1	1.4	<1	13	0.14	0.79	1.4	12
WSR46	5	1.7	<0.1	1.1	2.7	1.2	<0.1	1.3	<1	10	0.14	0.78	1.4	12
WSR46	6	2.3	<0.1	<1	11	1.6	<0.1	1.3	<1	19	0.11	0.75	1.3	11
WSR46	7	1.3	<0.1	1.8	4	1.1	<0.1	1.4	<1	12	0.17	0.8	1.3	11
WSR46	8	2.1	<0.1	<1	2.5	1	<0.1	1.2	<1	12	0.11	0.74	1.3	12

Note: SB-INE/INF - Intermediate stations; SB-IPE/IPF - Impact stations; SB-RFE/RFF - Reference stations; MW - Ma Wan station; THB1/2 - Tai Ho Bai stations; WSR45C - Sham Shui Kok station; WSR46 - Tai Mo To station.