

**Summary Report - Water Quality - Routine Water Quality Monitoring for ESC CMP Vd**  
**Date: 9 October 2019**

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	0.5	1.0	1.0	1.0	0.5	1.0	1.0	4.0	0.05	0.05	0.5	2
ESC-IPE1A	1	2.3	<0.5	1.0	6.9	1.2	0.7	1.3	<1.0	11.9	0.08	0.63	2.0	8.2
ESC-IPE1A	2	2.0	<0.5	<1.0	8.7	<1.0	<0.5	1.5	<1.0	7.1	0.08	1.15	2.1	7.9
ESC-IPE1A	3	2.3	<0.5	1.1	8.7	1.1	<0.5	1.5	<1.0	9.2	0.12	0.80	2.1	8.1
ESC-IPE1A	4	2.2	<0.5	<1.0	9.6	1.2	<0.5	1.3	<1.0	8.2	0.08	0.59	1.8	8.0
ESC-IPE1A	5	2.3	<0.5	<1.0	7.5	1.1	<0.5	1.3	<1.0	17.5	0.08	0.97	2.0	7.8
ESC-IPE1A	6	2.4	<0.5	<1.0	17.7	1.3	<0.5	1.7	<1.0	11.5	0.06	0.79	2.1	8.1
ESC-IPE1A	7	2.3	<0.5	1.4	5.8	<1.0	<0.5	1.4	<1.0	5.9	0.09	0.54	2.0	7.7
ESC-IPE1A	8	2.4	<0.5	<1.0	4.9	<1.0	<0.5	1.3	<1.0	6.5	0.07	0.55	2.0	7.8
ESC-IPE2A	1	2.4	<0.5	<1.0	7.0	<1.0	<0.5	1.4	<1.0	11.2	0.07	0.97	1.9	4.7
ESC-IPE2A	2	2.4	<0.5	2.0	6.2	1.9	<0.5	1.6	<1.0	8.1	0.07	0.59	2.3	4.2
ESC-IPE2A	3	2.3	<0.5	<1.0	8.2	<1.0	<0.5	1.5	<1.0	9.0	0.10	0.60	2.3	4.4
ESC-IPE2A	4	2.3	<0.5	<1.0	6.7	<1.0	<0.5	1.5	<1.0	9.2	0.08	1.84	1.8	4.2
ESC-IPE2A	5	2.2	<0.5	<1.0	7.1	<1.0	<0.5	1.3	<1.0	8.9	0.08	0.40	1.6	4.8
ESC-IPE2A	6	2.3	<0.5	<1.0	7.5	<1.0	<0.5	1.4	<1.0	8.6	0.06	0.56	2.1	4.2
ESC-IPE2A	7	2.1	<0.5	1.0	7.8	<1.0	<0.5	1.3	<1.0	10.7	0.09	0.59	2.0	4.6
ESC-IPE2A	8	2.2	<0.5	<1.0	11.7	<1.0	<0.5	1.8	<1.0	16.5	0.09	0.63	1.6	4.2
ESC-IPE3	1	2.4	<0.5	1.1	44.4	1.8	<0.5	1.7	<1.0	52.9	0.10	0.53	1.7	6.0
ESC-IPE3	2	2.2	<0.5	<1.0	37.0	1.5	<0.5	1.6	<1.0	14.7	0.08	0.52	1.6	6.4
ESC-IPE3	3	2.2	<0.5	<1.0	36.1	1.5	<0.5	1.5	<1.0	15.4	0.10	0.57	1.6	5.8
ESC-IPE3	4	2.0	<0.5	<1.0	38.0	1.8	<0.5	1.5	<1.0	21.3	0.11	0.57	1.9	5.9
ESC-IPE3	5	2.3	<0.5	1.3	38.7	2.1	<0.5	2.0	<1.0	75.2	0.08	0.61	1.6	5.8
ESC-IPE3	6	2.1	<0.5	<1.0	37.1	1.6	<0.5	1.5	<1.0	14.7	0.08	0.51	1.6	6.3
ESC-IPE3	7	2.2	<0.5	<1.0	35.3	1.7	<0.5	1.4	<1.0	17.3	0.09	0.55	1.7	6.1
ESC-IPE3	8	2.1	<0.5	<1.0	35.2	1.5	<0.5	1.5	<1.0	15.7	0.10	0.62	1.7	6.5
ESC-IPE4	1	2.2	<0.5	<1.0	6.7	<1.0	<0.5	1.2	<1.0	8.0	0.11	0.60	2.1	11.5
ESC-IPE4	2	2.3	<0.5	1.0	7.1	1.0	<0.5	1.4	<1.0	15.7	0.07	0.50	2.3	11.0
ESC-IPE4	3	2.1	<0.5	<1.0	6.9	<1.0	<0.5	1.3	<1.0	10.4	0.08	0.56	2.2	11.9
ESC-IPE4	4	2.1	<0.5	<1.0	4.8	<1.0	<0.5	1.3	<1.0	8.7	0.09	0.70	2.0	11.6
ESC-IPE4	5	2.2	<0.5	1.0	6.9	1.8	<0.5	1.7	<1.0	31.5	0.07	0.51	1.4	10.8
ESC-IPE4	6	2.3	<0.5	<1.0	5.6	1.5	<0.5	1.3	<1.0	8.7	0.08	0.48	3.4	11.2
ESC-IPE4	7	2.3	<0.5	<1.0	23.2	<1.0	<0.5	1.4	<1.0	6.5	0.09	0.64	2.5	11.6
ESC-IPE4	8	2.2	<0.5	<1.0	5.4	<1.0	<0.5	1.3	<1.0	6.4	0.08	0.46	2.2	11.2
ESC-IPE5	1	2.2	<0.5	<1.0	5.2	<1.0	<0.5	1.4	<1.0	9.3	0.09	0.52	1.8	8.0
ESC-IPE5	2	2.1	<0.5	<1.0	4.9	<1.0	<0.5	1.2	<1.0	9.7	0.10	0.60	1.6	7.9
ESC-IPE5	3	2.3	<0.5	<1.0	5.3	<1.0	<0.5	1.4	<1.0	9.1	0.08	0.50	1.5	7.5
ESC-IPE5	4	2.4	<0.5	<1.0	6.3	1.0	<0.5	1.4	<1.0	24.5	0.09	0.48	1.6	8.3
ESC-IPE5	5	2.2	<0.5	<1.0	7.7	<1.0	<0.5	1.3	<1.0	6.0	0.13	0.59	1.5	7.9
ESC-IPE5	6	2.1	<0.5	1.0	5.8	1.0	<0.5	1.5	<1.0	36.5	0.10	0.51	1.6	8.1
ESC-IPE5	7	2.2	<0.5	1.0	5.0	<1.0	<0.5	1.7	<1.0	46.6	0.14	0.64	1.4	8.5
ESC-IPE5	8	1.9	<0.5	<1.0	5.0	<1.0	<0.5	1.1	<1.0	15.3	0.16	0.67	1.6	7.9
ESC-INE1A	1	2.0	<0.5	<1.0	10.5	<1.0	<0.5	1.2	<1.0	8.8	0.09	0.45	1.4	8.1
ESC-INE1A	2	2.3	<0.5	<1.0	14.4	<1.0	<0.5	1.2	<1.0	6.8	0.15	0.53	1.4	10.4
ESC-INE1A	3	1.9	<0.5	<1.0	7.9	<1.0	<0.5	1.1	<1.0	8.4	0.09	0.53	1.6	8.4
ESC-INE1A	4	2.0	<0.5	<1.0	18.8	<1.0	<0.5	1.1	<1.0	5.7	0.06	0.48	1.4	10.0
ESC-INE1A	5	2.1	<0.5	<1.0	30.7	<1.0	<0.5	1.2	<1.0	8.6	0.09	0.50	1.7	8.4
ESC-INE1A	6	2.1	<0.5	<1.0	16.4	<1.0	<0.5	1.2	<1.0	11.7	0.08	0.43	2.1	10.7
ESC-INE1A	7	2.2	<0.5	<1.0	10.1	<1.0	<0.5	1.3	<1.0	9.2	0.08	0.54	1.5	8.7
ESC-INE1A	8	2.2	<0.5	<1.0	9.6	1.1	<0.5	1.2	<1.0	11.7	0.07	0.43	1.7	10.6
ESC-INE2A	1	2.0	<0.5	<1.0	11.3	1.1	<0.5	1.5	<1.0	12.8	0.11	0.54	1.5	8.3
ESC-INE2A	2	2.2	<0.5	<1.0	9.7	<1.0	<0.5	1.4	<1.0	6.2	0.08	0.44	1.6	8.2
ESC-INE2A	3	2.2	<0.5	1.0	9.5	1.5	<0.5	1.3	<1.0	26.3	0.10	0.60	1.5	8.8
ESC-INE2A	4	2.2	<0.5	<1.0	6.6	1.1	<0.5	1.3	<1.0	17.2	0.11	0.52	1.6	8.6
ESC-INE2A	5	2.2	<0.5	<1.0	9.7	1.4	<0.5	1.7	<1.0	30.9	0.08	0.53	1.8	8.3
ESC-INE2A	6	2.4	<0.5	1.0	23.1	1.2	0.6	1.4	<1.0	11.5	0.13	0.52	1.5	7.9
ESC-INE2A	7	2.2	<0.5	<1.0	8.5	<1.0	<0.5	1.3	<1.0	8.2	0.10	0.73	1.5	8.3
ESC-INE2A	8	2.3	<0.5	<1.0	20.3	1.0	<0.5	1.3	<1.0	9.5	0.08	0.45	15.0	8.6
ESC-INE3A	1	2.3	<0.5	<1.0	5.4	1.3	<0.5	1.4	<1.0	10.7	0.08	0.66	1.4	12.5
ESC-INE3A	2	2.2	<0.5	<1.0	5.0	1.7	<0.5	1.1	<1.0	7.9	0.07	0.38	1.4	11.3
ESC-INE3A	3	2.1	<0.5	<1.0	7.2	1.3	<0.5	1.4	<1.0	10.8	0.09	0.43	1.6	12.5
ESC-INE3A	4	2.1	<0.5	<1.0	5.3	1.1	<0.5	1.2	<1.0	14.2	0.09	0.41	1.5	12.0
ESC-INE3A	5	2.1	<0.5	<1.0	6.7	1.5	<0.5	1.6	<1.0	10.9	0.07	0.39	1.6	12.8
ESC-INE3A	6	2.3	<0.5	<1.0	6.2	1.1	<0.5	1.2	<1.0	7.1	0.08	0.44	1.4	11.0
ESC-INE3A	7	2.3	<0.5	<1.0	6.1	1.0	<0.5	1.1	<1.0	7.1	0.06	0.40	1.4	13.0
ESC-INE3A	8	2.2	<0.5	<1.0	4.3	1.1	<0.5	1.2	<1.0	6.0	0.08	0.43	1.5	11.3

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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	0.5	1.0	1.0	1.0	0.5	1.0	1.0	4.0	0.05	0.05	0.5	2
ESC-INE4A	1	2.1	<0.5	<1.0	6.9	<1.0	<0.5	1.3	<1.0	6.1	0.07	0.42	1.5	7.4
ESC-INE4A	2	2.1	<0.5	<1.0	7.9	<1.0	<0.5	1.5	<1.0	8.6	0.09	0.49	1.3	7.2
ESC-INE4A	3	2.1	<0.5	<1.0	9.1	<1.0	<0.5	1.3	<1.0	12.4	0.10	0.54	1.6	7.0
ESC-INE4A	4	2.0	<0.5	<1.0	9.8	<1.0	<0.5	1.2	<1.0	9.3	0.10	0.46	1.8	7.4
ESC-INE4A	5	2.2	<0.5	<1.0	8.3	1.2	<0.5	1.4	<1.0	13.5	0.12	0.48	1.5	7.4
ESC-INE4A	6	2.1	<0.5	<1.0	10.0	<1.0	<0.5	1.2	<1.0	15.6	0.08	0.49	1.5	7.0
ESC-INE4A	7	2.3	<0.5	<1.0	7.9	<1.0	<0.5	1.1	<1.0	6.5	0.08	0.44	1.6	7.9
ESC-INE4A	8	2.0	<0.5	<1.0	7.8	<1.0	<0.5	1.2	<1.0	10.1	0.06	0.49	1.7	7.5
ESC-INE5A	1	2.1	<0.5	<1.0	5.6	<1.0	<0.5	1.5	<1.0	12.3	0.08	0.43	1.7	12.3
ESC-INE5A	2	2.2	<0.5	<1.0	11.6	1.0	<0.5	2.5	<1.0	44.7	0.09	0.42	1.4	11.7
ESC-INE5A	3	2.0	<0.5	<1.0	5.1	<1.0	<0.5	1.4	<1.0	11.4	0.09	0.45	1.4	12.0
ESC-INE5A	4	2.2	<0.5	<1.0	4.4	1.0	<0.5	3.7	<1.0	8.2	0.05	0.37	1.1	10.9
ESC-INE5A	5	2.2	<0.5	<1.0	5.0	1.0	<0.5	1.3	<1.0	6.6	0.07	0.45	1.6	12.0
ESC-INE5A	6	2.2	<0.5	<1.0	6.3	<1.0	<0.5	1.2	<1.0	8.0	0.08	0.51	1.8	11.2
ESC-INE5A	7	2.1	<0.5	<1.0	3.9	1.2	<0.5	1.3	<1.0	17.6	0.06	0.36	1.7	13.2
ESC-INE5A	8	2.3	<0.5	<1.0	4.8	1.0	<0.5	1.3	<1.0	8.3	0.06	0.54	1.9	11.6
ESC-RFE1	1	2.5	<0.5	4.6	16.5	2.1	<0.5	3.7	<1.0	186.7	0.08	0.53	3.1	5.7
ESC-RFE1	2	2.2	<0.5	<1.0	7.8	<1.0	<0.5	1.5	<1.0	19.1	0.06	0.50	2.4	6.5
ESC-RFE1	3	2.4	<0.5	<1.0	7.2	1.2	<0.5	1.7	<1.0	11.9	0.06	0.49	2.2	5.8
ESC-RFE1	4	2.6	1.4	19.0	30.7	36.0	4.0	23.4	1.3	26.2	0.16	0.65	2.2	6.1
ESC-RFE1	5	2.1	<0.5	<1.0	10.6	1.2	<0.5	1.6	<1.0	18.1	0.06	0.49	1.2	5.6
ESC-RFE1	6	2.2	<0.5	1.1	15.2	<1.0	<0.5	15.2	<1.0	27.4	0.07	0.49	2.1	6.4
ESC-RFE1	7	2.9	<0.5	7.0	30.0	2.5	<0.5	6.6	<1.0	32.8	0.10	0.57	1.9	5.4
ESC-RFE1	8	2.2	<0.5	<1.0	8.1	<1.0	<0.5	1.5	<1.0	12.1	0.06	0.52	2.1	6.4
ESC-RFE2	1	2.2	<0.5	<1.0	7.3	1.2	<0.5	1.4	<1.0	27.6	0.06	0.44	1.4	3.6
ESC-RFE2	2	2.2	<0.5	<1.0	6.5	<1.0	<0.5	1.5	<1.0	12.7	0.06	0.44	1.2	5.8
ESC-RFE2	3	2.2	<0.5	<1.0	7.1	<1.0	<0.5	1.5	<1.0	12.5	0.13	0.53	1.6	3.5
ESC-RFE2	4	2.1	<0.5	<1.0	10.2	1.1	<0.5	1.6	<1.0	14.2	0.09	0.43	1.3	5.4
ESC-RFE2	5	2.1	<0.5	<1.0	7.3	1.0	<0.5	1.5	<1.0	15.0	0.13	0.48	1.2	3.7
ESC-RFE2	6	2.2	<0.5	<1.0	7.1	<1.0	1.1	1.4	<1.0	14.4	0.08	0.44	1.0	5.8
ESC-RFE2	7	2.2	<0.5	<1.0	7.2	1.7	<0.5	1.4	<1.0	31.6	0.08	0.46	1.3	3.8
ESC-RFE2	8	2.3	<0.5	<1.0	6.1	1.1	<0.5	1.6	<1.0	14.0	0.08	0.61	1.1	5.7
ESC-RFE3	1	2.3	<0.5	<1.0	5.1	<1.0	<0.5	1.6	<1.0	13.6	0.07	0.75	1.7	4.8
ESC-RFE3	2	2.2	<0.5	<1.0	5.4	<1.0	<0.5	1.1	<1.0	11.8	0.09	0.52	1.5	4.8
ESC-RFE3	3	2.2	<0.5	<1.0	5.1	<1.0	<0.5	1.3	<1.0	11.0	0.05	0.40	1.4	4.8
ESC-RFE3	4	2.1	<0.5	<1.0	5.2	<1.0	<0.5	1.3	<1.0	13.3	0.07	0.43	1.8	4.9
ESC-RFE3	5	2.2	<0.5	<1.0	21.4	<1.0	<0.5	1.4	<1.0	11.4	0.11	0.54	1.7	4.8
ESC-RFE3	6	2.0	<0.5	<1.0	17.0	<1.0	<0.5	1.3	<1.0	11.6	0.09	0.55	1.3	4.7
ESC-RFE3	7	2.2	<0.5	<1.0	6.3	<1.0	<0.5	1.3	<1.0	13.1	0.09	0.46	1.7	4.8
ESC-RFE3	8	2.3	<0.5	<1.0	9.2	<1.0	<0.5	1.5	<1.0	20.1	<0.02	0.50	1.3	4.8
ESC-RFE4	1	2.2	<0.5	<1.0	11.3	<1.0	<0.5	3.2	<1.0	19.1	0.13	0.50	1.3	5.1
ESC-RFE4	2	2.1	<0.5	<1.0	12.9	<1.0	<0.5	2.7	<1.0	14.5	0.09	0.54	1.3	5.5
ESC-RFE4	3	2.0	<0.5	<1.0	10.6	1.4	<0.5	2.2	<1.0	17.7	0.10	0.48	1.3	4.7
ESC-RFE4	4	2.1	<0.5	3.6	20.2	5.3	<0.5	3.6	<1.0	163.5	0.12	0.56	1.5	5.7
ESC-RFE4	5	2.1	<0.5	<1.0	14.5	1.3	<0.5	2.7	<1.0	17.8	0.10	0.75	1.2	5.1
ESC-RFE4	6	2.1	<0.5	<1.0	13.0	1.2	<0.5	2.5	<1.0	15.3	0.13	0.49	1.3	5.7
ESC-RFE4	7	2.2	<0.5	12.6	15.1	1.2	<0.5	3.8	<1.0	20.8	0.07	0.39	1.6	5.2
ESC-RFE4	8	2.2	<0.5	<1.0	11.9	1.2	<0.5	2.5	<1.0	18.7	0.11	0.44	1.5	5.6
ESC-RFE5	1	2.1	<0.5	<1.0	10.7	1.2	<0.5	1.5	<1.0	23.9	0.09	0.41	1.7	7.6
ESC-RFE5	2	2.1	<0.5	<1.0	8.1	<1.0	<0.5	1.6	<1.0	22.4	0.09	0.41	2.0	6.8
ESC-RFE5	3	2.1	<0.5	<1.0	8.4	<1.0	<0.5	1.4	<1.0	21.3	0.12	0.42	1.3	7.4
ESC-RFE5	4	2.2	<0.5	<1.0	8.0	<1.0	<0.5	1.6	<1.0	30.4	0.08	0.39	1.8	6.7
ESC-RFE5	5	2.0	<0.5	<1.0	6.8	<1.0	<0.5	1.6	<1.0	34.8	0.11	0.45	1.5	7.8
ESC-RFE5	6	2.2	<0.5	<1.0	10.4	<1.0	<0.5	1.6	<1.0	24.1	0.12	0.42	1.9	6.8
ESC-RFE5	7	2.1	<0.5	<1.0	10.0	<1.0	<0.5	1.7	<1.0	23.0	0.12	0.44	1.4	7.7
ESC-RFE5	8	2.1	<0.5	<1.0	13.5	1.0	<0.5	1.5	<1.0	22.6	0.11	0.43	1.4	7.0
MW1-M-R1	1	2.0	<0.5	<1.0	5.8	<1.0	<0.5	1.1	<1.0	12.4	0.11	0.33	1.1	6.5
MW1-M-R2	2	2.1	<0.5	<1.0	25.3	1.1	<0.5	<1.0	<1.0	12.8	0.11	0.33	1.3	8.4
MW1-M-R3	3	2.1	<0.5	<1.0	3.5	<1.0	<0.5	<1.0	<1.0	5.6	0.12	0.33	1.9	6.0
MW1-M-R4	4	2.1	<0.5	<1.0	6.0	<1.0	<0.5	<1.0	<1.0	10.4	0.12	0.34	1.4	8.1
MW1-M-R5	5	2.1	<0.5	<1.0	5.6	<1.0	<0.5	1.1	<1.0	11.7	0.09	0.33	1.2	6.6
MW1-M-R6	6	2.0	<0.5	<1.0	5.4	<1.0	<0.5	1.1	<1.0	13.4	0.15	0.37	1.3	8.5
MW1-M-R7	7	2.0	<0.5	<1.0	4.4	<1.0	<0.5	1.0	<1.0	11.4	0.10	0.29	1.1	6.4
MW1-M-R8	8	2.0	<0.5	<1.0	4.4	<1.0	<0.5	<1.0	<1.0	14.2	0.14	0.36	1.3	8.4

Note: ESC-INF/INE - Intermediate stations; ESC-IPF/IPE - Impact stations; ESC-RFE/RFE - Reference stations; MW - Ma Wan station.