

Summary Report - Water Quality - Routine Water Quality Monitoring for ESC CMP Vd
Date: 7 November 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	2.1	<0.5	1.3	14.2	1.3	<0.5	1.4	<1.0	30.0	0.24	0.71	1.5	4.8
ESC-IPE1A	2	2.2	<0.5	1.3	12.6	1.2	<0.5	1.2	<1.0	33.7	0.08	0.43	1.6	2.9
ESC-IPE1A	3	2.2	<0.5	1.1	12.6	<1.0	<0.5	1.2	<1.0	29.9	0.06	0.42	1.5	4.8
ESC-IPE1A	4	2.2	<0.5	1.3	13.7	1.6	<0.5	1.5	<1.0	23.7	0.33	0.65	1.4	3.0
ESC-IPE1A	5	1.9	<0.5	1.1	18.4	1.4	<0.5	1.3	<1.0	19.8	0.08	0.42	1.4	4.8
ESC-IPE1A	6	2.1	<0.5	1.1	16.0	1.1	<0.5	1.7	<1.0	23.7	0.14	0.46	1.3	3.0
ESC-IPE1A	7	2.1	<0.5	1.2	13.2	1.8	<0.5	1.3	<1.0	20.0	0.08	0.47	1.3	4.8
ESC-IPE1A	8	2.2	<0.5	1.3	32.1	2.3	<0.5	1.3	<1.0	30.5	0.08	0.45	1.3	2.9
ESC-IPE2A	1	2.2	<0.5	1.3	8.2	1.3	<0.5	1.4	<1.0	27.7	0.08	0.42	1.3	2.4
ESC-IPE2A	2	2.1	<0.5	1.3	8.6	1.2	<0.5	3.6	<1.0	37.4	0.12	0.40	1.2	2.5
ESC-IPE2A	3	2.2	<0.5	1.2	6.3	<1.0	<0.5	1.2	<1.0	21.8	0.06	0.38	1.3	2.5
ESC-IPE2A	4	2.3	<0.5	1.1	15.1	1.4	<0.5	3.0	<1.0	11.5	0.10	0.40	1.6	2.5
ESC-IPE2A	5	2.0	<0.5	1.4	5.6	<1.0	<0.5	<1.0	<1.0	19.8	0.06	0.37	1.4	2.4
ESC-IPE2A	6	2.2	<0.5	1.3	5.2	1.1	<0.5	2.7	<1.0	10.7	0.06	0.38	1.3	2.5
ESC-IPE2A	7	2.1	<0.5	1.2	7.2	1.2	<0.5	1.3	<1.0	26.8	0.04	0.38	1.4	2.3
ESC-IPE2A	8	2.1	<0.5	1.2	7.0	1.4	<0.5	1.3	<1.0	25.1	0.09	0.41	0.9	2.5
ESC-IPE3	1	2.2	<0.5	1.6	99.2	6.3	<0.5	1.8	<1.0	75.8	0.08	0.44	1.1	6.1
ESC-IPE3	2	2.2	<0.5	1.2	16.9	1.1	<0.5	1.4	<1.0	19.6	0.13	0.48	1.0	5.0
ESC-IPE3	3	2.1	<0.5	1.4	80.8	4.9	<0.5	1.7	<1.0	63.5	0.09	0.51	1.0	6.0
ESC-IPE3	4	2.0	<0.5	1.3	14.3	1.0	<0.5	<1.0	<1.0	16.0	0.12	0.51	1.2	5.2
ESC-IPE3	5	2.3	<0.5	<1.0	13.6	<1.0	<0.5	<1.0	<1.0	22.0	0.07	0.52	1.3	5.9
ESC-IPE3	6	2.0	<0.5	5.5	16.7	1.1	<0.5	2.8	<1.0	25.2	0.12	0.45	1.3	5.1
ESC-IPE3	7	2.1	<0.5	<1.0	19.6	<1.0	<0.5	<1.0	<1.0	16.9	0.11	0.45	1.2	6.1
ESC-IPE3	8	2.0	<0.5	<1.0	15.8	<1.0	<0.5	1.1	<1.0	40.1	0.10	0.49	1.3	5.0
ESC-IPE4	1	1.7	<0.5	<1.0	6.1	<1.0	<0.5	<1.0	<1.0	21.5	0.08	0.35	1.1	5.5
ESC-IPE4	2	2.0	<0.5	1.3	7.1	<1.0	<0.5	1.0	<1.0	85.4	0.10	0.41	1.0	5.3
ESC-IPE4	3	2.4	<0.5	<1.0	8.0	<1.0	<0.5	1.0	<1.0	37.5	0.07	0.43	1.3	5.5
ESC-IPE4	4	2.1	<0.5	<1.0	7.1	<1.0	<0.5	<1.0	<1.0	16.7	0.10	0.38	1.1	5.5
ESC-IPE4	5	2.1	<0.5	<1.0	7.0	<1.0	<0.5	<1.0	<1.0	17.2	0.08	0.39	1.2	5.7
ESC-IPE4	6	2.2	<0.5	<1.0	9.7	1.0	<0.5	<1.0	<1.0	23.1	0.11	0.41	1.4	5.1
ESC-IPE4	7	2.1	<0.5	<1.0	8.8	<1.0	<0.5	<1.0	<1.0	16.8	0.09	0.43	1.4	5.7
ESC-IPE4	8	2.0	<0.5	1.1	7.6	<1.0	<0.5	<1.0	<1.0	18.3	0.07	0.40	1.3	5.4
ESC-IPE5	1	2.3	<0.5	<1.0	7.3	<1.0	<0.5	<1.0	<1.0	21.6	0.10	0.39	1.0	4.5
ESC-IPE5	2	2.1	<0.5	<1.0	6.4	<1.0	<0.5	<1.0	<1.0	18.7	0.12	0.41	1.0	8.6
ESC-IPE5	3	2.0	<0.5	<1.0	4.6	1.0	<0.5	<1.0	<1.0	14.3	0.08	0.36	0.9	4.2
ESC-IPE5	4	2.0	<0.5	<1.0	5.1	<1.0	<0.5	<1.0	<1.0	9.5	0.10	0.36	1.1	8.1
ESC-IPE5	5	2.1	<0.5	<1.0	5.0	<1.0	<0.5	<1.0	<1.0	16.0	0.08	0.37	1.2	4.5
ESC-IPE5	6	2.1	<0.5	<1.0	4.5	<1.0	<0.5	<1.0	<1.0	18.0	0.10	0.38	1.2	8.6
ESC-IPE5	7	2.1	<0.5	<1.0	5.5	<1.0	<0.5	<1.0	<1.0	15.3	0.05	0.33	1.2	4.9
ESC-IPE5	8	2.0	<0.5	<1.0	5.2	<1.0	<0.5	<1.0	<1.0	28.0	0.12	0.38	1.1	8.6
ESC-INE1A	1	2.3	<0.5	1.8	7.9	<1.0	<0.5	2.7	<1.0	15.0	0.09	0.35	1.2	3.7
ESC-INE1A	2	2.0	<0.5	<1.0	20.6	<1.0	<0.5	<1.0	<1.0	22.7	0.06	0.34	1.1	5.4
ESC-INE1A	3	2.0	<0.5	<1.0	11.0	<1.0	<0.5	<1.0	<1.0	19.2	0.08	0.37	0.9	3.8
ESC-INE1A	4	2.1	<0.5	<1.0	10.3	<1.0	<0.5	<1.0	<1.0	20.6	0.13	0.44	1.2	5.6
ESC-INE1A	5	1.9	<0.5	<1.0	23.6	1.1	<0.5	<1.0	<1.0	16.3	0.10	0.37	1.2	3.6
ESC-INE1A	6	2.1	<0.5	<1.0	23.8	1.2	<0.5	<1.0	<1.0	13.7	0.09	0.36	<0.5	5.5
ESC-INE1A	7	2.1	<0.5	<1.0	9.7	<1.0	<0.5	<1.0	<1.0	21.1	0.08	0.36	0.6	3.8
ESC-INE1A	8	2.1	<0.5	<1.0	8.3	<1.0	<0.5	<1.0	<1.0	16.2	0.06	0.32	0.8	5.6
ESC-INE2A	1	2.1	<0.5	<1.0	40.4	1.2	<0.5	1.2	<1.0	18.9	0.10	0.43	1.6	4.8
ESC-INE2A	2	1.1	<0.5	<1.0	13.3	1.1	<0.5	1.0	<1.0	11.1	0.06	0.35	0.7	3.3
ESC-INE2A	3	1.9	<0.5	<1.0	12.1	<1.0	<0.5	<1.0	<1.0	8.3	0.08	0.38	1.2	4.6
ESC-INE2A	4	2.1	<0.5	<1.0	16.7	<1.0	<0.5	<1.0	<1.0	29.3	0.08	0.41	1.2	3.5
ESC-INE2A	5	1.9	<0.5	<1.0	14.6	<1.0	<0.5	<1.0	<1.0	17.9	0.10	0.42	0.9	4.8
ESC-INE2A	6	2.3	<0.5	1.2	16.6	1.1	<0.5	1.5	<1.0	57.5	0.08	0.43	0.9	3.2
ESC-INE2A	7	2.0	<0.5	<1.0	15.2	<1.0	<0.5	1.0	<1.0	26.2	0.10	0.42	0.9	4.6
ESC-INE2A	8	2.2	<0.5	<1.0	14.9	<1.0	<0.5	<1.0	<1.0	20.9	0.11	0.53	1.0	3.4

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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-INE3A	1	2.1	<0.5	<1.0	37.0	<1.0	<0.5	<1.0	<1.0	20.9	0.16	0.63	0.8	2.8
ESC-INE3A	2	2.0	<0.5	<1.0	35.5	<1.0	<0.5	<1.0	<1.0	17.6	0.09	0.39	0.9	4.7
ESC-INE3A	3	2.0	<0.5	<1.0	35.0	1.2	<0.5	<1.0	<1.0	18.7	0.09	0.41	0.8	2.9
ESC-INE3A	4	2.0	<0.5	<1.0	31.2	1.2	<0.5	<1.0	<1.0	17.3	0.11	0.42	1.0	4.9
ESC-INE3A	5	2.0	<0.5	<1.0	30.8	1.1	<0.5	<1.0	<1.0	19.9	0.05	0.34	0.8	2.8
ESC-INE3A	6	1.9	<0.5	<1.0	50.5	2.4	<0.5	1.4	<1.0	28.1	0.08	0.37	0.7	4.8
ESC-INE3A	7	1.8	<0.5	<1.0	57.4	2.8	<0.5	<1.0	<1.0	30.5	0.19	0.80	0.8	2.9
ESC-INE3A	8	2.2	<0.5	<1.0	58.6	<1.0	<0.5	1.1	<1.0	22.4	0.10	0.40	0.7	4.6
ESC-INE4A	1	2.0	<0.5	1.1	9.2	<1.0	<0.5	<1.0	<1.0	29.2	0.08	0.36	0.8	8.2
ESC-INE4A	2	2.0	<0.5	<1.0	13.8	<1.0	<0.5	<1.0	<1.0	13.3	0.11	0.39	0.6	3.2
ESC-INE4A	3	1.9	<0.5	<1.0	4.8	<1.0	<0.5	<1.0	<1.0	6.2	0.10	0.38	0.8	8.3
ESC-INE4A	4	2.0	<0.5	1.1	10.8	1.0	<0.5	3.2	<1.0	17.6	0.06	0.33	0.9	3.2
ESC-INE4A	5	2.0	<0.5	<1.0	10.5	<1.0	<0.5	<1.0	<1.0	8.8	0.05	0.33	0.8	7.9
ESC-INE4A	6	2.0	<0.5	<1.0	9.6	<1.0	<0.5	<1.0	<1.0	17.0	0.06	0.33	0.8	3.2
ESC-INE4A	7	2.0	<0.5	1.1	7.4	<1.0	<0.5	1.0	<1.0	18.6	0.06	0.35	0.7	7.9
ESC-INE4A	8	2.2	<0.5	1.3	7.7	<1.0	<0.5	1.2	<1.0	17.5	0.07	0.35	0.8	3.3
ESC-INE5A	1	2.0	<0.5	1.2	6.2	<1.0	<0.5	1.1	<1.0	16.1	0.07	0.37	1.2	3.7
ESC-INE5A	2	2.2	<0.5	1.1	6.7	1.4	<0.5	1.4	<1.0	21.6	0.11	0.40	1.1	4.2
ESC-INE5A	3	2.2	<0.5	1.1	6.3	<1.0	0.8	1.1	<1.0	14.6	0.06	0.32	1.2	3.7
ESC-INE5A	4	2.3	<0.5	1.2	4.0	<1.0	<0.5	1.4	<1.0	22.4	0.06	0.36	1.6	4.2
ESC-INE5A	5	2.2	<0.5	1.3	7.9	1.2	<0.5	1.0	<1.0	21.7	0.10	0.41	1.2	3.8
ESC-INE5A	6	2.0	<0.5	1.2	8.7	<1.0	<0.5	1.1	<1.0	31.7	0.07	0.35	1.2	4.4
ESC-INE5A	7	2.2	<0.5	1.2	8.3	<1.0	<0.5	1.1	<1.0	19.2	0.08	0.36	1.0	3.7
ESC-INE5A	8	2.1	<0.5	1.2	8.3	1.1	<0.5	<1.0	<1.0	17.0	0.09	0.35	1.2	4.2
ESC-RFE1	1	2.1	<0.5	1.3	6.8	1.0	<0.5	1.1	<1.0	16.8	<0.02	0.37	1.1	5.8
ESC-RFE1	2	2.0	<0.5	1.1	8.7	1.1	<0.5	1.1	<1.0	26.0	0.05	0.43	1.3	3.7
ESC-RFE1	3	2.1	<0.5	1.2	11.7	1.4	<0.5	1.2	<1.0	30.2	0.04	0.38	1.2	6.2
ESC-RFE1	4	2.2	<0.5	1.3	8.8	<1.0	<0.5	1.1	<1.0	16.1	0.03	0.39	1.4	3.7
ESC-RFE1	5	2.0	<0.5	1.3	9.1	1.2	<0.5	1.1	<1.0	12.6	0.03	0.37	1.2	5.8
ESC-RFE1	6	2.2	<0.5	1.2	13.7	1.6	<0.5	1.2	<1.0	26.6	0.05	0.43	1.2	3.7
ESC-RFE1	7	2.1	<0.5	1.2	6.4	<1.0	<0.5	1.3	<1.0	13.9	0.04	0.42	1.1	6.1
ESC-RFE1	8	2.1	<0.5	1.2	9.7	1.1	<0.5	1.0	<1.0	22.0	0.04	0.39	0.9	3.8
ESC-RFE2	1	2.1	<0.5	1.2	7.5	1.4	<0.5	15.6	<1.0	21.5	0.05	0.36	1.1	5.4
ESC-RFE2	2	2.0	<0.5	1.4	11.4	<1.0	<0.5	1.5	<1.0	19.9	0.03	0.37	1.1	4.0
ESC-RFE2	3	2.4	<0.5	1.3	6.8	1.1	<0.5	1.3	<1.0	18.5	0.09	0.40	1.6	6.0
ESC-RFE2	4	2.0	<0.5	1.2	9.0	1.2	<0.5	1.3	<1.0	20.9	0.05	0.35	1.6	3.8
ESC-RFE2	5	2.1	<0.5	1.1	5.3	<1.0	<0.5	1.1	<1.0	16.9	0.03	0.37	1.4	5.8
ESC-RFE2	6	2.3	<0.5	1.1	5.9	<1.0	<0.5	1.2	<1.0	16.4	0.04	0.37	1.7	3.9
ESC-RFE2	7	2.1	<0.5	1.1	5.0	<1.0	<0.5	1.0	<1.0	21.6	0.04	0.44	1.6	5.5
ESC-RFE2	8	2.3	<0.5	1.3	8.3	<1.0	<0.5	1.2	<1.0	27.9	0.02	0.36	1.5	3.7
ESC-RFE3	1	2.1	<0.5	1.3	7.2	1.4	<0.5	1.1	<1.0	18.6	0.06	0.39	1.4	7.0
ESC-RFE3	2	2.1	<0.5	1.3	6.8	1.5	<0.5	1.3	<1.0	30.0	0.07	0.42	1.4	8.0
ESC-RFE3	3	2.1	<0.5	1.2	6.4	<1.0	<0.5	1.6	<1.0	32.7	0.02	0.40	1.3	6.7
ESC-RFE3	4	2.2	<0.5	1.3	6.0	1.4	<0.5	<1.0	<1.0	19.9	0.09	0.42	1.4	7.8
ESC-RFE3	5	2.0	<0.5	1.1	5.8	1.1	<0.5	<1.0	<1.0	33.0	0.06	0.41	1.3	6.8
ESC-RFE3	6	2.1	<0.5	1.2	4.3	<1.0	<0.5	1.0	<1.0	14.6	0.03	0.38	1.2	8.2
ESC-RFE3	7	2.2	<0.5	1.1	14.4	2.1	<0.5	1.6	<1.0	47.4	0.02	0.37	1.4	7.1
ESC-RFE3	8	2.1	<0.5	1.3	4.6	<1.0	<0.5	<1.0	<1.0	11.1	0.04	0.38	1.4	8.1
ESC-RFE4	1	2.1	<0.5	1.3	9.8	1.2	<0.5	1.2	<1.0	16.5	0.02	0.37	1.4	8.6
ESC-RFE4	2	2.0	<0.5	1.1	7.4	<1.0	<0.5	1.2	<1.0	18.4	0.04	0.40	1.3	3.4
ESC-RFE4	3	2.1	<0.5	1.2	8.5	1.1	<0.5	1.3	<1.0	26.0	0.03	0.37	1.3	8.6
ESC-RFE4	4	2.1	<0.5	1.2	7.2	<1.0	<0.5	1.0	<1.0	21.2	0.05	0.40	1.3	3.6
ESC-RFE4	5	2.1	<0.5	1.2	8.3	1.1	<0.5	1.2	<1.0	30.4	0.03	0.42	1.3	8.1
ESC-RFE4	6	2.1	<0.5	1.3	7.1	1.1	<0.5	1.1	<1.0	21.6	0.04	0.36	1.2	3.6
ESC-RFE4	7	1.9	<0.5	1.1	6.1	<1.0	<0.5	<1.0	<1.0	7.5	0.03	0.42	1.4	8.4
ESC-RFE4	8	2.0	<0.5	1.2	5.9	<1.0	<0.5	1.0	<1.0	16.8	0.06	0.39	1.5	3.3
ESC-RFE5	1	2.1	<0.5	1.1	4.5	<1.0	<0.5	<1.0	<1.0	8.5	0.04	0.37	1.5	2.3
ESC-RFE5	2	2.4	<0.5	1.1	6.1	<1.0	<0.5	1.1	<1.0	23.4	0.07	0.39	1.4	4.3
ESC-RFE5	3	2.2	<0.5	1.0	4.9	<1.0	<0.5	1.0	<1.0	10.3	0.10	0.41	1.3	2.3
ESC-RFE5	4	2.2	<0.5	1.5	4.8	<1.0	<0.5	1.0	<1.0	11.5	0.06	0.41	1.2	4.2
ESC-RFE5	5	2.1	<0.5	1.2	8.4	<1.0	<0.5	1.2	<1.0	24.2	0.05	0.38	1.3	2.4
ESC-RFE5	6	2.2	<0.5	1.3	4.2	<1.0	<0.5	<1.0	<1.0	7.0	0.06	0.38	0.9	4.4
ESC-RFE5	7	2.3	<0.5	1.2	5.9	1.3	<0.5	1.2	<1.0	11.2	0.03	0.35	1.1	2.3
ESC-RFE5	8	2.2	<0.5	1.2	5.9	<1.0	<0.5	1.2	<1.0	13.4	0.06	0.42	1.0	4.4
MW1-M-R1	1	2.1	<0.5	1.3	34.4	1.8	<0.5	1.4	<1.0	81.6	0.05	0.21	1.4	4.4
MW1-M-R2	2	1.9	<0.5	1.2	26.9	1.3	<0.5	1.1	<1.0	17.8	0.11	0.38	1.7	3.7
MW1-M-R3	3	1.8	<0.5	1.2	24.1	<1.0	<0.5	<1.0	<1.0	17.9	0.12	0.33	1.4	4.6
MW1-M-R4	4	2.0	<0.5	1.4	19.7	1.1	<0.5	1.0	<1.0	16.3	0.04	0.20	1.1	3.7
MW1-M-R5	5	2.2	<0.5	1.6	39.0	2.2	<0.5	1.1	<1.0	69.1	0.06	0.24	1.4	4.2
MW1-M-R6	6	2.0	<0.5	1.2	23.6	1.3	<0.5	1.1	<1.0	26.4	0.05	0.21	1.4	3.9
MW1-M-R7	7	1.9	<0.5	1.4	22.5	1.3	<0.5	1.1	<1.0	16.0	0.06	0.23	1.2	4.5
MW1-M-R8	8	2.0	<0.5	1.2	17.2	1.0	<0.5	<1.0	<1.0	14.6	0.27	0.74	1.0	3.6

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