

Summary Report - Water Quality - Routine Water Quality Monitoring for ESC CMP Vb

Date: 6 May 2020

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	0.5	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	1.7	13.2	1.6	<0.5	1.8	<1	9.8	0.29	0.93	1.1	11.5
ESC-IPE1A	2	2.4	<0.5	1.4	11.5	1.4	<0.5	2.1	<1	17.3	0.19	0.79	1.2	13.0
ESC-IPE1A	3	2.2	<0.5	1.4	10.0	<1	<0.5	2.0	<1	15.1	0.20	0.83	1.3	11.6
ESC-IPE1A	4	2.3	<0.5	1.5	11.9	1.3	<0.5	1.6	<1	14.2	0.17	0.81	1.5	13.2
ESC-IPE1A	5	2.1	<0.5	1.4	16.3	1.4	<0.5	1.8	<1	16.6	0.18	0.85	1.7	11.6
ESC-IPE1A	6	2.3	<0.5	1.8	19.7	1.9	<0.5	2.4	<1	20.5	0.20	0.81	1.3	12.9
ESC-IPE1A	7	2.1	<0.5	1.2	10.7	<1	<0.5	2.0	<1	18.2	0.17	0.81	1.3	11.9
ESC-IPE1A	8	2.1	<0.5	1.6	13.0	17.5	<0.5	2.2	<1	32.2	0.17	0.83	1.7	13.1
ESC-IPE2A	1	2.3	<0.5	1.5	9.1	2.5	<0.5	2.3	<1	12.4	0.17	0.88	2.3	14.5
ESC-IPE2A	2	2.2	<0.5	1.5	9.7	4.1	<0.5	7.4	<1	16.0	0.19	0.97	1.8	14.4
ESC-IPE2A	3	2.4	<0.5	1.2	9.7	1.0	<0.5	2.3	<1	21.7	0.18	0.86	2.1	15.2
ESC-IPE2A	4	2.0	<0.5	1.4	7.7	<1	<0.5	1.7	<1	16.5	0.16	0.86	2.0	13.8
ESC-IPE2A	5	2.4	<0.5	1.5	9.8	1.1	1.5	1.9	<1	18.0	0.18	0.89	2.0	15.0
ESC-IPE2A	6	2.1	<0.5	1.5	9.2	1.1	<0.5	2.1	<1	11.3	0.15	0.85	1.3	14.1
ESC-IPE2A	7	2.3	<0.5	1.3	8.3	1.1	<0.5	2.0	<1	8.1	0.22	0.78	1.8	14.4
ESC-IPE2A	8	2.4	<0.5	1.5	8.1	1.2	<0.5	2.1	<1	15.6	0.19	0.83	1.5	13.8
ESC-IPE3	1	2.4	<0.5	1.6	20.8	3.4	<0.5	2.3	<1	14.7	0.15	0.73	1.8	28.3
ESC-IPE3	2	2.1	<0.5	3.2	17.8	1.5	<0.5	5.0	<1	13.5	0.18	0.79	2.1	22.1
ESC-IPE3	3	2.0	<0.5	1.4	8.9	1.7	<0.5	2.1	<1	16.2	0.16	0.83	1.8	30.0
ESC-IPE3	4	2.1	<0.5	1.4	6.4	<1	<0.5	2.3	<1	10.7	0.16	0.87	1.5	21.6
ESC-IPE3	5	2.3	<0.5	1.4	12.7	<1	<0.5	2.2	<1	12.9	0.20	0.91	1.5	27.2
ESC-IPE3	6	2.3	<0.5	1.7	51.8	1.8	<0.5	2.3	<1	19.0	0.17	0.82	1.6	21.9
ESC-IPE3	7	2.4	<0.5	1.8	10.3	1.9	<0.5	2.4	<1	17.7	0.24	0.88	1.2	28.4
ESC-IPE3	8	2.4	<0.5	1.7	8.9	1.7	<0.5	2.1	<1	14.8	0.20	0.85	1.9	22.8
ESC-IPE4	1	2.4	<0.5	1.6	10.4	2.2	<0.5	2.4	<1	15.2	0.20	0.87	1.9	28.5
ESC-IPE4	2	2.1	<0.5	1.5	8.8	1.7	<0.5	2.1	<1	36.7	0.19	0.88	1.8	25.4
ESC-IPE4	3	2.0	<0.5	1.2	6.8	<1	<0.5	1.9	<1	10.2	0.20	0.84	1.8	28.2
ESC-IPE4	4	2.4	<0.5	1.9	9.9	2.0	<0.5	2.2	<1	16.1	0.19	0.85	1.6	25.6
ESC-IPE4	5	2.3	<0.5	1.7	13.5	2.1	<0.5	2.3	<1	40.4	0.20	0.89	2.0	26.6
ESC-IPE4	6	2.5	<0.5	1.8	15.5	2.4	<0.5	2.3	<1	65.0	0.23	0.98	1.8	24.7
ESC-IPE4	7	2.7	<0.5	1.8	12.2	2.3	<0.5	2.5	<1	14.5	0.18	0.92	1.8	29.2
ESC-IPE4	8	2.2	<0.5	1.8	10.0	2.1	<0.5	2.5	<1	24.0	0.15	0.69	1.6	25.4
ESC-IPE5	1	2.2	<0.5	1.6	7.9	1.5	<0.5	2.2	<1	10.1	0.17	0.95	1.2	13.6
ESC-IPE5	2	2.4	<0.5	1.6	8.6	1.3	1.5	2.3	<1	12.7	0.18	0.95	1.3	16.8
ESC-IPE5	3	2.5	<0.5	1.7	7.6	1.4	<0.5	2.4	<1	27.7	0.16	0.89	1.5	13.4
ESC-IPE5	4	2.1	<0.5	1.5	8.1	1.3	<0.5	2.0	<1	15.4	0.25	0.99	1.3	16.1
ESC-IPE5	5	2.3	<0.5	1.5	8.3	1.3	<0.5	2.2	<1	14.4	0.22	0.92	1.3	14.1
ESC-IPE5	6	2.3	<0.5	1.5	8.8	1.4	0.8	2.3	<1	9.1	0.18	0.87	1.4	16.6
ESC-IPE5	7	2.2	<0.5	1.6	8.4	1.1	<0.5	2.1	<1	10.6	0.17	0.77	1.5	13.8
ESC-IPE5	8	2.3	<0.5	1.5	12.6	<1	<0.5	2.0	<1	8.3	0.17	0.82	1.5	16.1
ESC-INE1A	1	2.4	<0.5	1.7	6.7	1.4	<0.5	2.1	<1	13.4	0.25	0.78	1.9	25.9
ESC-INE1A	2	2.2	<0.5	1.4	9.4	1.5	<0.5	2.2	<1	12.1	0.14	0.68	2.0	22.1
ESC-INE1A	3	2.2	<0.5	1.5	7.8	1.3	<0.5	2.0	<1	23.1	0.21	0.83	2.0	24.5
ESC-INE1A	4	2.3	<0.5	1.5	7.7	1.4	0.6	1.9	<1	10.2	0.21	0.79	1.9	21.9
ESC-INE1A	5	1.8	<0.5	1.3	7.0	<1	<0.5	2.1	<1	52.2	0.18	0.76	1.8	25.7
ESC-INE1A	6	2.3	<0.5	1.7	10.4	1.7	<0.5	2.1	<1	8.6	0.17	0.76	1.8	22.1
ESC-INE1A	7	2.2	<0.5	1.5	6.6	1.0	<0.5	2.3	<1	15.6	0.22	0.77	1.9	24.1
ESC-INE1A	8	2.3	<0.5	1.6	6.4	1.1	<0.5	2.0	<1	17.2	0.18	0.55	1.6	22.5
ESC-INE2A	1	2.3	<0.5	3.7	12.3	7.7	<0.5	5.0	<1	35.6	0.20	0.72	1.3	18.0
ESC-INE2A	2	2.2	<0.5	1.6	8.5	1.2	<0.5	2.1	<1	19.6	0.21	0.89	1.4	16.3
ESC-INE2A	3	2.3	<0.5	1.6	8.7	<1	<0.5	2.0	<1	10.4	0.21	0.74	1.5	17.5
ESC-INE2A	4	2.4	<0.5	1.4	7.9	1.3	<0.5	1.7	<1	12.3	0.18	0.70	1.6	16.3
ESC-INE2A	5	2.5	<0.5	1.8	9.8	1.4	<0.5	2.1	<1	16.9	0.23	0.75	1.5	17.5
ESC-INE2A	6	2.6	<0.5	1.6	10.2	1.4	<0.5	3.4	<1	41.5	0.19	0.80	1.4	16.8
ESC-INE2A	7	2.4	<0.5	1.6	6.9	<1	<0.5	2.2	<1	27.1	0.18	0.56	1.5	18.5
ESC-INE2A	8	2.3	<0.5	1.5	12.8	1.3	1.0	2.3	<1	20.6	0.22	0.76	1.2	16.1
ESC-INE3A	1	2.7	<0.5	2.0	5.8	1.7	<0.5	2.0	<1	10.4	0.18	0.62	1.2	28.4
ESC-INE3A	2	2.9	<0.5	1.8	15.7	1.8	<0.5	2.9	<1	23.1	0.15	0.60	1.1	28.6
ESC-INE3A	3	2.5	<0.5	1.6	8.6	1.8	<0.5	2.3	<1	14.4	0.27	0.71	0.9	27.7
ESC-INE3A	4	2.5	<0.5	1.8	9.9	2.5	0.9	2.2	<1	14.8	0.18	0.69	1.3	28.3
ESC-INE3A	5	2.3	<0.5	1.8	6.3	1.6	<0.5	2.1	<1	15.0	0.20	0.73	1.0	28.5
ESC-INE3A	6	2.3	<0.5	1.4	5.4	1.1	1.4	2.1	<1	17.2	0.14	0.59	1.0	28.5
ESC-INE3A	7	2.3	<0.5	1.6	8.3	1.8	0.7	2.2	<1	13.0	0.19	0.63	1.2	27.4
ESC-INE3A	8	2.6	<0.5	2.1	7.8	1.9	<0.5	2.4	<1	92.5	0.22	0.69	1.2	29.9

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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	2.3	<0.5	1.7	5.6	1.6	<0.5	2.2	<1	27.1	0.16	0.66	1.3	21.5
ESC-INE4A	2	2.6	<0.5	1.8	6.4	1.4	<0.5	2.5	<1	12.0	0.20	0.71	1.4	21.9
ESC-INE4A	3	2.2	<0.5	1.5	4.3	<1	<0.5	2.3	<1	9.7	0.39	0.93	1.2	22.6
ESC-INE4A	4	2.5	<0.5	23.3	7.1	1.5	<0.5	19.0	<1	57.4	0.19	0.70	1.1	22.1
ESC-INE4A	5	2.2	<0.5	1.4	30.5	<1	<0.5	2.2	<1	34.6	0.22	0.73	1.6	23.2
ESC-INE4A	6	2.3	<0.5	1.5	5.5	<1	0.9	2.3	<1	43.9	0.17	0.66	1.6	22.3
ESC-INE4A	7	2.4	<0.5	2.0	7.6	1.5	<0.5	2.2	<1	11.1	0.26	0.78	1.8	22.2
ESC-INE4A	8	2.3	<0.5	1.4	4.8	<1	<0.5	1.7	<1	6.8	0.19	0.68	1.6	22.2
ESC-INE5A	1	2.6	<0.5	2.3	12.4	14.3	<0.5	10.0	<1	63.2	0.24	0.83	1.5	13.4
ESC-INE5A	2	2.5	<0.5	1.6	8.9	1.6	1.4	2.4	<1	14.2	0.16	0.71	1.5	14.6
ESC-INE5A	3	2.6	<0.5	1.7	7.1	1.5	<0.5	2.3	<1	14.0	0.22	0.78	1.2	13.1
ESC-INE5A	4	2.4	<0.5	1.6	5.7	1.3	<0.5	2.4	<1	11.4	0.21	0.79	1.3	14.7
ESC-INE5A	5	2.3	<0.5	1.4	8.9	1.4	1.0	2.0	<1	19.5	0.20	0.74	1.1	13.7
ESC-INE5A	6	2.3	<0.5	1.6	5.3	1.2	<0.5	2.3	<1	10.3	0.27	0.81	1.3	14.7
ESC-INE5A	7	2.6	<0.5	1.9	15.5	1.6	<0.5	3.4	<1	16.8	0.38	0.95	1.4	13.2
ESC-INE5A	8	2.2	<0.5	1.2	4.9	<1	1.0	1.8	<1	16.4	0.21	0.74	1.4	14.3
ESC-RFE1	1	2.3	<0.5	1.7	7.6	<1	<0.5	2.0	<1	7.4	0.17	0.69	1.7	16.1
ESC-RFE1	2	2.3	<0.5	1.7	8.3	1.4	<0.5	1.9	<1	21.2	0.19	0.72	1.8	18.2
ESC-RFE1	3	2.4	<0.5	1.5	20.1	1.4	<0.5	2.0	<1	10.4	0.21	0.73	1.8	16.0
ESC-RFE1	4	4.0	<0.5	2.2	30.1	3.2	<0.5	3.0	<1	30.3	0.16	0.66	1.8	19.3
ESC-RFE1	5	2.4	<0.5	1.5	8.2	1.3	<0.5	2.0	<1	10.8	0.12	0.60	1.6	15.7
ESC-RFE1	6	2.5	<0.5	1.6	8.8	1.4	<0.5	2.1	<1	17.0	0.31	0.85	1.8	17.7
ESC-RFE1	7	2.5	<0.5	1.3	12.7	1.3	<0.5	2.0	<1	10.8	0.14	0.61	1.9	15.7
ESC-RFE1	8	2.6	<0.5	1.6	65.4	1.6	<0.5	2.2	<1	9.2	0.15	0.70	1.6	18.5
ESC-RFE2	1	2.5	<0.5	1.7	10.9	1.2	<0.5	2.0	<1	12.9	0.15	0.72	1.4	11.8
ESC-RFE2	2	2.4	<0.5	1.7	11.3	1.3	<0.5	2.4	<1	21.2	0.19	0.72	1.6	11.8
ESC-RFE2	3	2.7	0.5	2.0	16.7	1.9	<0.5	3.0	<1	27.8	0.22	0.80	1.4	12.2
ESC-RFE2	4	2.5	<0.5	1.7	12.3	1.5	<0.5	2.4	<1	16.8	0.16	0.76	1.5	12.7
ESC-RFE2	5	2.3	<0.5	1.2	7.8	<1	<0.5	2.0	<1	9.1	0.14	0.69	1.5	11.4
ESC-RFE2	6	2.4	<0.5	1.4	5.9	<1	<0.5	2.2	<1	50.2	0.27	0.87	1.6	12.2
ESC-RFE2	7	2.2	<0.5	1.3	11.7	<1	<0.5	2.2	<1	12.3	0.25	0.81	1.7	11.4
ESC-RFE2	8	2.4	<0.5	2.1	18.7	4.2	<0.5	2.5	<1	27.9	0.18	0.69	1.4	12.3
ESC-RFE3	1	2.3	<0.5	1.7	24.0	1.3	<0.5	1.9	<1	17.5	0.16	0.68	1.4	12.9
ESC-RFE3	2	2.6	<0.5	1.8	27.3	1.6	<0.5	2.2	<1	21.0	0.24	0.79	1.6	14.0
ESC-RFE3	3	2.7	<0.5	1.5	23.8	1.4	<0.5	2.2	<1	15.7	0.14	0.61	1.7	12.6
ESC-RFE3	4	2.4	<0.5	1.5	19.8	<1	<0.5	2.3	<1	38.1	0.15	0.69	1.7	14.3
ESC-RFE3	5	2.3	<0.5	1.9	24.2	1.4	<0.5	2.1	<1	16.0	0.18	0.64	1.6	13.7
ESC-RFE3	6	2.5	<0.5	2.2	23.8	1.5	<0.5	2.3	<1	19.3	0.18	0.73	1.5	13.5
ESC-RFE3	7	2.7	<0.5	2.4	24.0	1.5	<0.5	2.2	<1	29.5	0.20	0.75	1.3	12.8
ESC-RFE3	8	2.6	<0.5	2.3	24.0	1.5	<0.5	2.1	<1	18.5	0.18	0.70	1.6	13.6
ESC-RFE4	1	2.7	<0.5	2.7	28.6	2.5	<0.5	2.4	<1	21.5	0.21	0.69	2.0	18.9
ESC-RFE4	2	2.4	<0.5	2.4	27.3	2.2	<0.5	2.6	<1	20.3	0.18	0.67	1.9	18.8
ESC-RFE4	3	2.4	<0.5	2.4	26.3	2.3	<0.5	2.5	<1	20.8	0.22	0.73	2.1	18.6
ESC-RFE4	4	2.7	<0.5	3.0	29.7	2.1	<0.5	2.5	<1	50.3	0.17	0.65	1.9	19.1
ESC-RFE4	5	2.6	<0.5	2.8	27.3	2.2	<0.5	2.2	<1	24.9	0.28	0.86	2.0	19.8
ESC-RFE4	6	2.6	<0.5	2.4	26.2	2.1	<0.5	2.4	<1	19.7	0.15	0.64	2.1	18.1
ESC-RFE4	7	2.3	<0.5	2.1	68.5	2.5	<0.5	2.2	<1	59.8	0.22	0.72	2.1	18.5
ESC-RFE4	8	2.1	<0.5	1.8	28.2	1.7	<0.5	2.3	<1	42.2	0.20	0.70	2.2	18.8
ESC-RFE5	1	2.3	<0.5	2.3	10.9	1.7	<0.5	2.4	<1	23.8	0.17	0.69	1.7	16.4
ESC-RFE5	2	2.7	<0.5	2.6	14.4	2.0	<0.5	2.9	<1	29.2	0.24	0.91	1.7	18.7
ESC-RFE5	3	2.2	<0.5	2.2	11.4	1.7	<0.5	2.6	<1	51.2	0.18	0.70	1.6	17.0
ESC-RFE5	4	2.4	<0.5	1.7	12.8	1.5	<0.5	2.4	<1	28.8	0.18	0.70	1.6	17.6
ESC-RFE5	5	2.0	<0.5	1.6	8.8	1.2	<0.5	2.2	<1	20.5	0.18	0.69	1.7	15.6
ESC-RFE5	6	2.2	<0.5	2.1	10.6	1.6	<0.5	2.5	<1	22.4	0.14	0.65	1.7	19.4
ESC-RFE5	7	2.6	<0.5	2.0	11.8	1.8	<0.5	2.7	<1	35.6	0.13	0.64	1.6	15.0
ESC-RFE5	8	2.4	<0.5	2.0	9.8	<1	<0.5	2.5	<1	21.0	0.17	0.71	1.8	17.7
MW1-M-R1	1	3.0	0.6	3.1	4.0	2.0	1.1	2.9	<1	20.1	0.19	0.70	1.2	9.5
MW1-M-R2	2	2.5	<0.5	3.1	3.1	1.7	<0.5	2.6	<1	17.0	0.22	0.79	1.1	10.3
MW1-M-R3	3	2.3	<0.5	3.3	2.6	1.6	<0.5	2.7	<1	8.5	0.20	0.72	1.4	9.8
MW1-M-R4	4	2.5	<0.5	1.9	3.4	1.7	<0.5	2.2	<1	10.0	0.21	0.73	1.2	11.0
MW1-M-R5	5	2.8	<0.5	2.0	3.0	1.8	<0.5	2.2	<1	8.2	0.22	0.75	1.2	9.6
MW1-M-R6	6	2.4	<0.5	2.0	3.0	1.6	<0.5	2.3	<1	10.2	0.20	0.73	1.3	10.3
MW1-M-R7	7	2.3	<0.5	2.3	4.1	2.3	<0.5	2.4	<1	12.9	0.15	0.69	1.2	9.1
MW1-M-R8	8	2.5	<0.5	2.4	6.4	3.2	<0.5	2.1	<1	9.8	0.16	0.68	0.9	10.2

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