

Summary Report - Water Quality - RoutINF Water Quality Monitoring for ESC CMP Vd

Date: 7 November 2018

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	2.3	<0.5	1.0	8.3	1.0	<0.5	1.3	<1.0	35.9	0.05	0.78	1.0	7.2
ESC-IPE1A	2	1.9	<0.5	<1.0	7.0	1.0	<0.5	1.1	<1.0	27.1	0.04	0.35	1.2	7.4
ESC-IPE1A	3	2.1	<0.5	<1.0	8.5	<1.0	<0.5	<1.0	<1.0	23.9	0.06	0.56	1.0	7.5
ESC-IPE1A	4	1.9	<0.5	<1.0	6.9	1.1	<0.5	<1.0	<1.0	27.6	0.06	0.34	0.9	7.1
ESC-IPE1A	5	2.0	<0.5	<1.0	6.8	2.0	<0.5	<1.0	<1.0	31.2	0.03	0.27	0.9	6.8
ESC-IPE1A	6	2.1	<0.5	<1.0	6.0	1.0	<0.5	1.1	<1.0	30.7	0.03	0.27	0.8	7.0
ESC-IPE1A	7	2.0	<0.5	<1.0	6.2	1.0	<0.5	<1.0	<1.0	31.4	0.04	0.29	1.1	6.8
ESC-IPE1A	8	2.0	<0.5	<1.0	8.0	1.1	<0.5	1.0	<1.0	30.0	0.03	0.26	1.2	7.6
ESC-IPE2A	1	2.1	<0.5	<1.0	6.3	<1.0	<0.5	1.1	<1.0	29.2	0.08	1.99	1.1	7.0
ESC-IPE2A	2	2.2	<0.5	<1.0	5.2	<1.0	<0.5	1.0	<1.0	28.0	0.05	0.31	1.0	7.0
ESC-IPE2A	3	2.4	<0.5	<1.0	6.1	1.1	<0.5	1.4	<1.0	34.2	0.05	0.37	1.1	6.8
ESC-IPE2A	4	2.2	<0.5	1.1	6.1	1.3	<0.5	1.1	<1.0	35.0	0.12	0.46	1.1	7.1
ESC-IPE2A	5	2.0	<0.5	<1.0	7.2	1.2	<0.5	1.0	<1.0	31.8	0.12	0.50	0.8	6.7
ESC-IPE2A	6	2.1	<0.5	<1.0	6.1	1.4	<0.5	1.4	<1.0	36.7	0.09	0.47	0.8	7.0
ESC-IPE2A	7	2.2	<0.5	<1.0	7.0	1.2	<0.5	1.0	<1.0	36.9	0.06	0.32	0.9	6.9
ESC-IPE2A	8	2.2	<0.5	<1.0	7.6	1.5	<0.5	1.5	<1.0	55.1	0.10	0.44	1.2	6.8
ESC-IPE3	1	2.0	<0.5	<1.0	20.8	1.9	<0.5	1.4	<1.0	29.7	0.04	0.49	11.0	12.7
ESC-IPE3	2	2.0	<0.5	<1.0	17.2	1.4	<0.5	1.1	<1.0	28.1	0.11	0.58	1.2	12.7
ESC-IPE3	3	2.1	<0.5	<1.0	18.5	1.8	<0.5	1.3	<1.0	34.9	0.03	0.29	1.2	13.1
ESC-IPE3	4	2.2	<0.5	<1.0	17.0	1.6	<0.5	1.0	<1.0	28.7	0.03	0.29	1.1	13.1
ESC-IPE3	5	2.6	<0.5	<1.0	16.9	1.6	<0.5	1.1	<1.0	37.0	0.04	0.32	1.0	11.8
ESC-IPE3	6	2.1	<0.5	<1.0	17.0	1.7	<0.5	<1.0	<1.0	29.2	0.03	0.27	1.0	12.6
ESC-IPE3	7	2.3	<0.5	<1.0	16.1	1.6	<0.5	<1.0	<1.0	31.4	0.04	0.30	0.8	12.5
ESC-IPE3	8	2.0	<0.5	<1.0	13.6	1.3	<0.5	<1.0	<1.0	29.3	0.04	0.35	1.1	12.9
ESC-IPE4	1	2.0	<0.5	<1.0	21.7	1.8	<0.5	1.5	<1.0	35.6	0.04	0.25	1.0	12.1
ESC-IPE4	2	2.1	<0.5	<1.0	17.6	1.9	<0.5	1.6	<1.0	42.6	0.03	0.24	1.1	12.3
ESC-IPE4	3	2.3	<0.5	<1.0	17.9	2.3	<0.5	1.5	<1.0	34.4	0.04	0.25	1.0	11.7
ESC-IPE4	4	2.0	<0.5	<1.0	16.0	1.8	<0.5	1.4	<1.0	30.4	0.03	0.25	1.0	11.8
ESC-IPE4	5	2.2	<0.5	<1.0	16.0	1.9	<0.5	1.3	<1.0	29.7	0.05	0.30	0.8	12.3
ESC-IPE4	6	2.3	<0.5	<1.0	16.3	2.1	<0.5	1.3	<1.0	34.4	0.03	0.25	0.8	12.2
ESC-IPE4	7	2.3	<0.5	<1.0	17.5	1.8	<0.5	1.4	<1.0	33.3	0.06	0.33	1.0	11.6
ESC-IPE4	8	2.3	<0.5	<1.0	18.4	1.9	<0.5	1.3	<1.0	41.9	0.05	0.32	0.9	11.4
ESC-IPE5	1	2.0	<0.5	<1.0	11.8	1.6	<0.5	1.3	<1.0	32.3	0.06	0.27	1.0	8.2
ESC-IPE5	2	2.1	<0.5	<1.0	9.7	2.1	<0.5	<1.0	<1.0	28.7	0.05	0.46	0.9	8.4
ESC-IPE5	3	2.1	<0.5	<1.0	11.1	1.4	<0.5	<1.0	<1.0	35.3	0.03	0.30	1.1	8.0
ESC-IPE5	4	2.2	<0.5	<1.0	10.4	1.6	<0.5	1.1	<1.0	32.4	0.05	0.29	1.2	7.8
ESC-IPE5	5	1.9	<0.5	<1.0	10.5	1.7	<0.5	<1.0	<1.0	41.0	0.09	0.32	1.4	7.8
ESC-IPE5	6	2.1	<0.5	<1.0	9.5	1.4	<0.5	<1.0	<1.0	31.8	0.03	0.58	1.4	8.5
ESC-IPE5	7	2.2	<0.5	<1.0	12.2	1.8	<0.5	<1.0	<1.0	44.8	0.04	0.24	1.3	7.9
ESC-IPE5	8	1.9	<0.5	<1.0	8.7	1.4	<0.5	<1.0	<1.0	48.2	0.07	0.25	1.0	8.3
ESC-INE1A	1	2.1	<0.5	<1.0	8.8	2.2	<0.5	1.8	<1.0	34.4	0.04	0.19	1.2	15.4
ESC-INE1A	2	2.2	<0.5	1.1	9.1	2.4	<0.5	1.8	<1.0	43.7	0.04	0.29	1.2	16.4
ESC-INE1A	3	2.1	<0.5	<1.0	13.0	2.3	<0.5	1.2	<1.0	34.8	0.03	0.17	1.3	15.7
ESC-INE1A	4	1.9	<0.5	<1.0	13.0	2.5	<0.5	1.8	<1.0	33.4	0.07	0.30	1.4	16.7
ESC-INE1A	5	2.2	<0.5	<1.0	11.9	2.2	<0.5	1.3	<1.0	33.1	0.03	0.21	1.0	16.2
ESC-INE1A	6	2.1	<0.5	<1.0	9.8	2.0	<0.5	1.2	<1.0	29.0	0.03	0.17	0.8	15.9
ESC-INE1A	7	2.2	<0.5	<1.0	7.3	2.0	<0.5	1.3	<1.0	28.4	0.04	0.23	0.9	16.1
ESC-INE1A	8	1.9	<0.5	<1.0	6.5	1.5	<0.5	1.6	<1.0	26.9	0.04	0.18	1.0	15.1
ESC-INE2A	1	2.1	<0.5	<1.0	13.4	1.7	<0.5	<1.0	<1.0	27.9	0.09	0.38	1.1	7.3
ESC-INE2A	2	2.0	<0.5	<1.0	11.2	1.6	<0.5	<1.0	<1.0	28.3	0.04	0.28	1.0	7.1
ESC-INE2A	3	2.4	<0.5	<1.0	16.2	2.3	<0.5	1.1	<1.0	34.6	0.04	0.28	1.2	7.5
ESC-INE2A	4	2.2	<0.5	<1.0	14.2	2.4	<0.5	<1.0	<1.0	31.0	0.04	0.26	1.1	7.1
ESC-INE2A	5	2.1	<0.5	<1.0	22.2	4.1	<0.5	1.2	<1.0	43.7	0.05	0.29	1.2	7.2
ESC-INE2A	6	2.2	<0.5	<1.0	20.8	3.0	<0.5	1.1	<1.0	31.0	0.04	0.26	1.2	7.2
ESC-INE2A	7	2.0	<0.5	<1.0	11.7	1.8	<0.5	<1.0	<1.0	23.4	0.05	0.28	1.2	7.1
ESC-INE2A	8	2.1	<0.5	<1.0	12.0	2.4	<0.5	<1.0	<1.0	27.8	0.04	0.28	1.2	7.6
ESC-INE3A	1	2.2	<0.5	<1.0	10.2	2.3	<0.5	<1.0	<1.0	33.2	0.03	0.22	1.3	7.8
ESC-INE3A	2	2.1	<0.5	<1.0	8.1	1.9	<0.5	<1.0	<1.0	27.0	0.04	0.26	1.3	8.1
ESC-INE3A	3	2.0	<0.5	<1.0	8.1	1.6	<0.5	<1.0	<1.0	26.7	0.04	0.30	1.0	7.3
ESC-INE3A	4	2.3	<0.5	<1.0	10.2	1.7	<0.5	<1.0	<1.0	29.0	0.07	0.30	1.2	7.9
ESC-INE3A	5	2.3	<0.5	<1.0	9.8	1.6	<0.5	<1.0	<1.0	33.7	0.07	0.28	1.1	7.2
ESC-INE3A	6	2.1	<0.5	<1.0	8.2	1.5	<0.5	<1.0	<1.0	26.4	0.03	0.20	1.1	8.0
ESC-INE3A	7	2.2	<0.5	<1.0	9.1	1.7	<0.5	<1.0	<1.0	43.0	0.03	0.20	1.3	8.1
ESC-INE3A	8	1.9	<0.5	<1.0	6.6	<1.0	<0.5	<1.0	<1.0	24.4	0.05	0.28	1.2	7.8
ESC-INE4A	1	2.1	<0.5	<1.0	11.9	2.1	<0.5	<1.0	<1.0	32.4	0.04	0.25	1.3	9.4
ESC-INE4A	2	2.1	<0.5	<1.0	5.7	1.6	<0.5	<1.0	<1.0	35.5	0.04	0.23	1.3	9.4

Summary Report - Water Quality - RoutINF Water Quality Monitoring for ESC CMP Vd

Date: 7 November 2018

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-INE4A	3	2.0	<0.5	1.0	4.4	2.7	<0.5	<1.0	<1.0	29.5	0.04	0.25	1.2	9.2
ESC-INE4A	4	1.9	<0.5	<1.0	3.2	1.1	<0.5	<1.0	<1.0	23.3	0.06	0.29	1.3	9.0
ESC-INE4A	5	2.1	<0.5	<1.0	3.7	1.4	<0.5	<1.0	<1.0	32.2	0.04	0.24	1.4	9.4
ESC-INE4A	6	1.9	<0.5	<1.0	3.5	1.1	<0.5	<1.0	<1.0	26.1	0.05	0.27	1.3	8.8
ESC-INE4A	7	1.7	<0.5	<1.0	3.2	1.3	<0.5	<1.0	<1.0	18.5	0.04	0.25	1.2	9.8
ESC-INE4A	8	2.2	<0.5	<1.0	4.0	1.3	<0.5	<1.0	<1.0	27.2	0.03	0.21	1.2	9.4
ESC-INE5A	1	1.8	<0.5	<1.0	15.0	2.0	<0.5	<1.0	<1.0	31.4	0.03	0.19	0.9	14.5
ESC-INE5A	2	2.1	<0.5	<1.0	14.8	1.9	<0.5	<1.0	<1.0	34.5	0.03	0.21	1.0	14.5
ESC-INE5A	3	2.1	<0.5	<1.0	39.1	2.9	<0.5	1.2	<1.0	45.2	0.03	0.20	1.2	14.2
ESC-INE5A	4	1.9	<0.5	<1.0	24.0	3.3	<0.5	1.0	<1.0	53.0	0.03	0.20	1.0	14.5
ESC-INE5A	5	1.9	<0.5	<1.0	26.4	3.9	<0.5	1.1	<1.0	56.4	0.04	0.21	1.0	14.7
ESC-INE5A	6	2.3	<0.5	<1.0	39.5	5.4	<0.5	1.1	<1.0	77.1	0.03	0.18	1.0	14.2
ESC-INE5A	7	1.8	<0.5	<1.0	38.3	2.8	<0.5	<1.0	<1.0	44.1	0.03	0.19	1.3	14.4
ESC-INE5A	8	1.7	<0.5	<1.0	41.0	3.0	<0.5	<1.0	<1.0	43.9	0.04	0.21	1.2	14.5
ESC-RFE1	1	2.3	<0.5	<1.0	5.2	1.3	<0.5	1.2	<1.0	43.5	0.10	0.42	1.2	5.4
ESC-RFE1	2	1.8	<0.5	<1.0	3.1	1.1	<0.5	<1.0	<1.0	31.1	0.07	0.40	1.2	5.6
ESC-RFE1	3	1.7	<0.5	<1.0	3.7	1.0	<0.5	<1.0	<1.0	59.1	0.07	0.47	1.6	5.3
ESC-RFE1	4	2.3	<0.5	<1.0	3.8	1.2	<0.5	<1.0	<1.0	32.8	0.07	0.20	1.5	5.4
ESC-RFE1	5	1.8	<0.5	<1.0	4.7	<1.0	<0.5	<1.0	<1.0	27.8	0.02	0.23	1.3	5.4
ESC-RFE1	6	1.7	<0.5	<1.0	3.6	<1.0	<0.5	<1.0	<1.0	40.3	0.14	0.56	1.3	5.5
ESC-RFE1	7	2.0	<0.5	2.9	5.0	1.8	<0.5	2.0	<1.0	40.6	0.07	0.34	1.4	5.5
ESC-RFE1	8	1.7	<0.5	<1.0	3.9	1.1	<0.5	1.1	<1.0	38.2	0.03	0.24	1.4	5.6
ESC-RFE2	1	1.7	<0.5	<1.0	6.9	1.3	<0.5	<1.0	<1.0	25.4	0.06	0.32	1.2	8.7
ESC-RFE2	2	1.9	<0.5	<1.0	10.4	1.5	<0.5	<1.0	<1.0	34.2	0.15	0.48	1.3	8.8
ESC-RFE2	3	1.9	<0.5	<1.0	8.2	1.4	<0.5	<1.0	<1.0	35.0	0.09	0.37	1.0	8.3
ESC-RFE2	4	1.7	<0.5	<1.0	7.0	1.4	<0.5	<1.0	<1.0	30.4	0.14	0.55	1.4	8.7
ESC-RFE2	5	2.1	<0.5	<1.0	9.7	1.5	<0.5	1.1	<1.0	40.7	0.08	0.62	1.4	8.4
ESC-RFE2	6	1.8	<0.5	<1.0	7.9	1.3	<0.5	<1.0	<1.0	29.6	0.05	0.31	1.3	9.3
ESC-RFE2	7	2.0	<0.5	<1.0	7.1	1.3	<0.5	<1.0	<1.0	29.4	0.17	0.61	1.4	8.7
ESC-RFE2	8	2.2	<0.5	1.3	9.9	1.8	<0.5	1.2	<1.0	38.9	0.04	0.26	1.2	8.8
ESC-RFE3	1	1.9	<0.5	1.5	7.5	1.3	<0.5	<1.0	<1.0	24.7	<0.02	0.45	1.2	6.4
ESC-RFE3	2	1.9	<0.5	<1.0	7.0	1.3	<0.5	<1.0	<1.0	30.0	0.08	0.76	1.4	6.5
ESC-RFE3	3	2.2	<0.5	<1.0	7.3	1.4	<0.5	1.0	<1.0	29.5	0.05	0.32	1.4	6.1
ESC-RFE3	4	1.7	<0.5	<1.0	6.0	1.2	<0.5	<1.0	<1.0	22.2	0.07	0.34	1.2	6.2
ESC-RFE3	5	1.8	<0.5	<1.0	8.1	1.5	<0.5	1.1	<1.0	28.5	0.08	0.41	1.3	6.8
ESC-RFE3	6	2.1	<0.5	<1.0	8.7	1.4	<0.5	1.2	<1.0	75.4	0.08	0.42	1.7	6.4
ESC-RFE3	7	1.7	<0.5	<1.0	5.8	1.1	<0.5	<1.0	<1.0	54.9	0.06	0.36	1.7	6.3
ESC-RFE3	8	1.7	<0.5	<1.0	6.3	1.1	<0.5	1.0	<1.0	26.9	0.07	0.28	1.7	6.1
ESC-RFE4	1	2.2	<0.5	<1.0	10.2	1.5	<0.5	1.2	<1.0	44.0	0.07	0.36	1.6	7.0
ESC-RFE4	2	1.9	<0.5	<1.0	7.3	1.2	<0.5	1.0	<1.0	36.8	0.05	0.30	1.6	7.5
ESC-RFE4	3	2.0	<0.5	<1.0	8.4	1.5	<0.5	1.3	<1.0	34.7	0.07	0.35	1.7	6.6
ESC-RFE4	4	2.3	<0.5	<1.0	13.7	1.4	<0.5	1.2	<1.0	41.8	0.09	0.36	1.3	6.5
ESC-RFE4	5	3.8	<0.5	2.6	20.7	1.7	<0.5	2.9	<1.0	40.9	0.04	0.26	1.0	7.4
ESC-RFE4	6	1.9	<0.5	<1.0	7.9	1.9	<0.5	1.3	<1.0	43.8	0.04	0.26	1.3	7.0
ESC-RFE4	7	2.2	<0.5	1.1	16.0	1.7	<0.5	1.4	<1.0	59.3	0.27	0.57	1.1	7.0
ESC-RFE4	8	1.9	<0.5	<1.0	15.1	1.5	<0.5	1.1	<1.0	45.2	0.07	0.37	1.1	7.1
ESC-RFE5	1	2.1	<0.5	<1.0	10.2	2.0	<0.5	1.4	<1.0	91.1	0.06	0.35	1.2	10.0
ESC-RFE5	2	2.2	<0.5	<1.0	9.9	2.1	<0.5	2.2	<1.0	97.6	0.05	0.26	1.1	10.6
ESC-RFE5	3	1.9	<0.5	<1.0	8.5	1.8	<0.5	1.4	<1.0	80.3	0.05	0.25	1.2	9.5
ESC-RFE5	4	1.9	<0.5	<1.0	8.7	1.9	<0.5	1.4	<1.0	87.1	0.04	0.26	1.3	10.0
ESC-RFE5	5	2.1	<0.5	<1.0	9.2	1.9	<0.5	1.7	<1.0	88.5	0.05	0.26	1.2	9.5
ESC-RFE5	6	1.9	<0.5	<1.0	7.6	1.6	<0.5	1.1	<1.0	86.7	0.12	0.46	1.3	9.5
ESC-RFE5	7	1.9	<0.5	<1.0	7.8	1.6	<0.5	1.3	<1.0	77.7	0.06	0.39	1.2	10.0
ESC-RFE5	8	2.1	<0.5	<1.0	11.8	2.1	<0.5	1.4	<1.0	93.0	0.09	1.29	1.3	9.8
MW1	1	2.1	<0.5	<1.0	5.8	1.4	<0.5	1.4	<1.0	32.5	0.06	0.20	1.0	8.6
MW1	2	2.1	<0.5	<1.0	6.0	1.3	<0.5	1.0	<1.0	50.3	0.05	0.19	0.9	8.4
MW1	3	2.1	<0.5	<1.0	6.1	1.6	<0.5	1.6	<1.0	34.4	0.08	0.25	1.1	8.3
MW1	4	2.2	<0.5	<1.0	6.1	1.3	<0.5	1.6	<1.0	36.1	0.08	0.22	0.9	8.5
MW1	5	2.0	<0.5	<1.0	5.6	1.2	<0.5	1.6	<1.0	33.5	0.06	0.38	1.3	8.3
MW1	6	1.9	<0.5	<1.0	5.8	1.3	<0.5	1.3	<1.0	30.5	0.07	0.23	0.9	9.2
MW1	7	1.8	<0.5	<1.0	5.3	1.3	<0.5	1.3	<1.0	44.0	0.12	0.36	1.3	9.0
MW1	8	2.0	<0.5	<1.0	6.0	1.3	<0.5	1.4	<1.0	31.9	0.08	0.26	1.3	8.3