

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

Date: 2 October 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-IPF1	1	1.9	<0.5	<1.0	10.2	1.4	<0.5	1.7	<1.0	16.9	0.02	0.51	0.8	15.3
ESC-IPF1	2	1.8	<0.5	<1.0	9.8	1.4	<0.5	1.7	<1.0	17.2	0.03	0.53	1.1	14.6
ESC-IPF1	3	1.8	<0.5	<1.0	10.4	1.4	<0.5	1.7	<1.0	16.9	0.03	0.50	1.0	14.6
ESC-IPF1	4	1.9	<0.5	<1.0	10.5	1.4	<0.5	1.7	<1.0	17.3	0.04	0.50	1.2	14.0
ESC-IPF1	5	1.9	<0.5	<1.0	10.2	1.5	<0.5	1.7	<1.0	17.1	0.08	0.56	1.4	14.6
ESC-IPF1	6	1.9	<0.5	<1.0	10.1	1.5	<0.5	1.7	<1.0	16.7	0.06	0.55	1.2	14.8
ESC-IPF1	7	1.9	<0.5	<1.0	9.8	1.4	<0.5	1.7	<1.0	17.7	0.07	0.55	1.2	13.9
ESC-IPF1	8	1.9	<0.5	<1.0	9.9	1.4	<0.5	1.7	<1.0	16.9	0.02	0.47	1.1	14.1
ESC-IPF2	1	1.6	<0.5	<1.0	3.4	1.1	<0.5	1.9	<1.0	7.2	<0.02	0.52	1.3	14.9
ESC-IPF2	2	1.5	<0.5	<1.0	3.3	1.1	<0.5	1.9	<1.0	7.4	<0.02	0.53	1.0	14.1
ESC-IPF2	3	1.5	<0.5	<1.0	3.4	1.1	<0.5	1.8	<1.0	7.1	<0.02	0.52	1.4	14.9
ESC-IPF2	4	1.5	<0.5	<1.0	3.3	1.1	<0.5	1.8	<1.0	7.3	0.02	0.61	1.2	15.2
ESC-IPF2	5	1.6	<0.5	<1.0	3.3	1.1	<0.5	1.8	<1.0	7.3	<0.02	0.51	1.0	14.8
ESC-IPF2	6	1.5	<0.5	<1.0	3.3	1.1	<0.5	1.9	<1.0	7.1	0.02	0.54	1.3	14.4
ESC-IPF2	7	1.5	<0.5	<1.0	3.5	1.1	<0.5	1.9	<1.0	7.3	<0.02	0.52	1.3	14.3
ESC-IPF2	8	1.5	<0.5	<1.0	3.3	1.1	<0.5	1.9	<1.0	7.2	0.04	1.06	1.1	15.2
ESC-IPF3	1	1.6	<0.5	<1.0	9.6	1.0	<0.5	1.6	<1.0	12.8	0.02	0.43	1.1	5.6
ESC-IPF3	2	1.6	<0.5	<1.0	9.3	1.0	<0.5	1.7	<1.0	12.8	<0.02	0.43	1.0	5.1
ESC-IPF3	3	1.6	<0.5	<1.0	9.1	1.0	<0.5	1.6	<1.0	13.1	0.05	0.49	1.2	5.7
ESC-IPF3	4	1.7	<0.5	<1.0	9.3	1.0	<0.5	1.7	<1.0	12.6	0.03	0.45	0.8	5.3
ESC-IPF3	5	1.6	<0.5	<1.0	9.4	1.0	<0.5	1.6	<1.0	13.2	0.02	0.59	1.0	5.3
ESC-IPF3	6	1.7	<0.5	<1.0	8.9	1.0	<0.5	1.5	<1.0	12.7	0.05	0.53	1.1	5.6
ESC-IPF3	7	1.6	<0.5	<1.0	9.2	1.0	<0.5	1.6	<1.0	12.6	0.06	0.50	0.7	5.5
ESC-IPF3	8	1.6	<0.5	<1.0	9.4	1.0	<0.5	1.6	<1.0	13.0	0.03	0.46	1.0	5.1
ESC-INF1	1	1.4	<0.5	<1.0	4.7	<1.0	<0.5	1.8	<1.0	7.4	0.04	0.67	1.2	6.1
ESC-INF1	2	1.3	<0.5	<1.0	4.8	<1.0	<0.5	1.7	<1.0	7.5	0.02	0.60	1.2	6.3
ESC-INF1	3	1.4	<0.5	<1.0	4.9	<1.0	<0.5	1.8	<1.0	7.5	0.04	0.65	0.9	6.3
ESC-INF1	4	1.4	<0.5	<1.0	4.7	<1.0	<0.5	1.7	<1.0	7.6	<0.02	0.59	1.0	6.2
ESC-INF1	5	1.5	<0.5	<1.0	4.7	<1.0	<0.5	1.8	<1.0	8.0	<0.02	0.61	1.3	6.4
ESC-INF1	6	1.4	<0.5	<1.0	4.9	<1.0	<0.5	1.8	<1.0	7.2	0.02	0.61	1.2	6.2
ESC-INF1	7	1.4	<0.5	<1.0	4.7	<1.0	<0.5	1.7	<1.0	7.7	0.02	0.61	1.9	6.0
ESC-INF1	8	1.4	<0.5	<1.0	4.7	<1.0	<0.5	1.7	<1.0	7.8	0.06	0.67	1.9	6.6
ESC-INF2	1	2.2	<0.5	<1.0	13.5	2.2	<0.5	2.0	<1.0	20.0	0.02	0.48	1.4	12.6
ESC-INF2	2	2.3	<0.5	<1.0	13.5	2.0	<0.5	2.0	<1.0	20.4	0.02	0.49	1.2	13.3
ESC-INF2	3	2.3	<0.5	<1.0	13.8	2.2	<0.5	2.1	<1.0	20.4	0.09	0.56	1.4	12.3
ESC-INF2	4	2.2	<0.5	<1.0	13.7	2.1	<0.5	2.0	<1.0	20.3	0.08	0.63	1.7	13.2
ESC-INF2	5	2.3	<0.5	<1.0	14.0	2.0	<0.5	1.9	<1.0	20.3	0.03	0.56	1.3	12.8
ESC-INF2	6	2.2	<0.5	<1.0	13.8	2.1	<0.5	2.0	<1.0	21.4	0.02	0.49	1.1	13.1
ESC-INF2	7	2.3	<0.5	<1.0	13.6	2.1	<0.5	2.0	<1.0	20.7	0.03	0.53	1.4	13.3
ESC-INF2	8	2.2	<0.5	<1.0	13.8	2.0	<0.5	2.0	<1.0	20.1	0.02	0.50	1.9	13.4
ESC-INF3	1	1.5	<0.5	<1.0	7.2	3.5	<0.5	1.4	<1.0	10.9	0.07	0.68	2.4	7.3
ESC-INF3	2	1.6	<0.5	<1.0	7.2	3.6	<0.5	1.4	<1.0	10.5	0.11	0.53	1.9	6.9
ESC-INF3	3	1.6	<0.5	<1.0	7.0	3.5	<0.5	1.4	<1.0	10.7	0.08	0.47	1.6	6.8
ESC-INF3	4	1.6	<0.5	<1.0	7.0	3.5	<0.5	1.5	<1.0	10.7	0.08	0.47	1.6	7.1
ESC-INF3	5	1.5	<0.5	<1.0	7.1	3.5	<0.5	1.5	<1.0	10.6	0.08	0.48	2.3	7.0
ESC-INF3	6	1.6	<0.5	<1.0	7.0	3.6	<0.5	1.5	<1.0	10.8	0.08	0.46	2.3	7.0
ESC-INF3	7	1.6	<0.5	<1.0	7.3	3.5	<0.5	1.5	<1.0	10.7	0.11	0.53	2.2	7.1
ESC-INF3	8	1.6	<0.5	<1.0	7.0	3.5	<0.5	1.4	<1.0	10.4	0.07	0.46	1.4	6.5
ESC-RFF1A	1	1.7	<0.5	<1.0	7.4	2.4	<0.5	1.3	<1.0	19.6	0.05	0.58	1.4	10.2
ESC-RFF1A	2	1.6	<0.5	<1.0	7.4	2.3	<0.5	1.3	<1.0	19.6	<0.02	0.53	1.6	9.5
ESC-RFF1A	3	1.7	<0.5	<1.0	7.3	2.2	<0.5	1.4	<1.0	19.2	0.06	0.59	1.5	9.9
ESC-RFF1A	4	1.7	<0.5	<1.0	7.3	2.2	<0.5	1.3	<1.0	19.0	0.07	0.73	1.5	10.4
ESC-RFF1A	5	1.6	<0.5	<1.0	7.1	2.3	<0.5	1.3	<1.0	18.9	0.05	0.64	1.6	9.8
ESC-RFF1A	6	1.6	<0.5	<1.0	7.4	2.3	<0.5	1.4	<1.0	19.4	0.03	0.55	1.2	10.0
ESC-RFF1A	7	1.7	<0.5	<1.0	7.5	2.4	<0.5	1.3	<1.0	18.9	0.05	0.52	1.0	9.8
ESC-RFF1A	8	1.7	<0.5	<1.0	7.5	2.3	<0.5	1.4	<1.0	18.5	0.04	0.51	1.3	9.5
ESC-RFF2A	1	1.7	<0.5	<1.0	8.4	1.2	<0.5	1.3	<1.0	30.2	0.05	0.54	1.3	7.4
ESC-RFF2A	2	1.6	<0.5	<1.0	8.2	1.2	<0.5	1.3	<1.0	28.1	0.06	0.56	1.9	8.0
ESC-RFF2A	3	1.6	<0.5	<1.0	8.4	1.2	<0.5	1.3	<1.0	29.2	0.03	0.52	1.0	8.4
ESC-RFF2A	4	1.6	<0.5	<1.0	8.2	1.2	<0.5	1.3	<1.0	30.0	0.02	0.51	1.4	7.9
ESC-RFF2A	5	1.6	<0.5	<1.0	8.7	1.2	<0.5	1.3	<1.0	28.2	0.07	0.62	1.3	8.1
ESC-RFF2A	6	1.6	<0.5	<1.0	7.9	1.2	<0.5	1.4	<1.0	27.9	0.05	0.56	1.8	8.0
ESC-RFF2A	7	1.6	<0.5	<1.0	8.3	1.2	<0.5	1.4	<1.0	27.8	0.04	0.57	1.2	7.8
ESC-RFF2A	8	1.6	<0.5	<1.0	8.4	1.2	<0.5	1.3	<1.0	28.4	0.07	0.59	1.7	8.6
ESC-RFF3	1	2.3	<0.5	<1.0	11.4	<1.0	<0.5	1.3	<1.0	3.9	0.09	0.53	1.3	9.6
ESC-RFF3	2	2.3	<0.5	<1.0	10.9	<1.0	<0.5	1.3	<1.0	3.8	0.05	0.54	2.1	9.5
ESC-RFF3	3	2.3	<0.5	<1.0	11.5	<1.0	<0.5	1.3	<1.0	3.9	0.07	0.53	1.3	9.2
ESC-RFF3	4	2.4	<0.5	<1.0	10.8	<1.0	<0.5	1.3	<1.0	3.9	0.05	0.64	1.3	9.1
ESC-RFF3	5	2.3	<0.5	<1.0	11.6	<1.0	<0.5	1.3	<1.0	3.9	0.05	0.49	1.1	9.6
ESC-RFF3	6	2.3	<0.5	<1.0	11.0	<1.0	<0.5	1.2	<1.0	3.9	0.03	0.46	0.9	9.4
ESC-RFF3	7	2.3	<0.5	<1.0	11.4	<1.0	<0.5	1.3	<1.0	3.8	0.05	0.49	1.2	9.7
ESC-RFF3	8	2.3	<0.5	<1.0	10.9	<1.0	<0.5	1.3	<1.0	4.0	0.07	0.52	0.9	9.5
MW1	1	1.7	<0.5	<1.0	5.9	<1.0	<0.5	1.2	<1.0	17.2	0.05	0.38	1.2	8.4
MW1	2	1.7	<0.5	<1.0	6.1	<1.0	<0.5	1.2	<1.0	17.4	0.05	0.36	1.1	8.0
MW1	3	1.7	<0.5	<1.0	6.0	<1.0	<0.5	1.3	<1.0	17.7	0.06	0.38	1.2	8.2
MW1	4	1.7	<0.5	<1.0	6.2	<1.0	<0.5	1.3	<1.0	17.7	0.08	0.44	1.4	8.3
MW1	5	1.8	<0.5	<1.0	6.3	<1.0	<0.5	1.3	<1.0	17.6	0.08	0.40	0.9	8.4

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

**Date: 2 October 2018**

Station ID	Replicate	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	NH3-N	TIN	BOD5	SS
		<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>ug/L</i>	<i>mg/L</i>	<i>mg/L</i>	<i>mg/L</i>	<i>mg/L</i>
Reporting Limit		<b>1.0</b>	<b>0.5</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.5</b>	<b>1.0</b>	<b>1.0</b>	<b>4.0</b>	<b>0.05</b>	<b>0.05</b>	<b>0.5</b>	<b>2</b>
MW1	6	1.7	<0.5	<1.0	6.1	<1.0	<0.5	1.3	<1.0	16.5	0.09	0.41	1.3	8.2
MW1	7	1.7	<0.5	<1.0	5.9	<1.0	<0.5	1.3	<1.0	16.7	0.07	0.39	1.4	7.9
MW1	8	1.7	<0.5	<1.0	6.0	<1.0	<0.5	1.3	<1.0	17.9	0.09	0.41	1.8	8.4

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