

**Cumulative Impact Sediment Chemistry at CMPs in December 2016**

20-22/12/2016		As	Cd	Cr	Cu	Pb	Hg	Ni	Ag	Zn	TOC	TBT	T-DDT	4,4'-DDE	PCBs	Low M.W. PAHs	High M.W. PAHs
Station	Replicate	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Limits of Reporting (LOR)		0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	200	0.50	2.00	2.00	3	55	100
ESC-RNA	1	8.2	0.07	24.56	25.37	29.28	0.03	15.73	0.17	83.3	7,000	6	1	1	1.5	28	50
	2	8.1	0.08	24.79	26.30	29.78	0.03	15.71	0.19	83.6	7,900	6	1	1	1.5	28	50
	3	8.5	0.07	24.96	25.12	29.68	0.06	16.00	0.18	82.5	8,000	3	1	1	1.5	28	50
	4	8.0	0.08	23.79	24.44	28.48	0.03	15.05	0.19	79.3	7,700	3	1	1	1.5	28	50
	5	7.8	0.08	23.98	24.60	28.19	0.03	15.22	0.16	80.0	7,000	7	1	1	1.5	28	50
	6	7.4	0.08	21.33	21.57	24.84	0.06	13.54	0.16	71.5	6,100	6	1	1	1.5	28	50
	7	8.2	0.09	25.41	26.49	29.72	0.03	15.99	0.18	83.5	6,800	12	1	1	1.5	28	50
	8	8.1	0.10	23.95	24.34	27.50	0.03	15.11	0.17	78.9	6,300	7	1	1	1.5	28	50
	9	7.7	0.08	23.21	23.05	26.58	0.16	14.70	0.17	76.2	6,500	3	1	1	1.5	28	50
	10	8.0	0.09	22.84	22.84	26.37	0.06	14.24	0.18	74.9	7,500	5	1	1	1.5	28	50
	11	7.7	0.09	21.73	21.73	25.10	0.06	13.67	0.16	70.9	7,400	9	1	1	1.5	28	50
	12	8.6	0.08	24.00	23.74	28.23	0.06	15.06	0.18	78.4	8,300	7	1	1	1.5	28	50
ESC-RNB	1	8.7	0.07	25.16	21.90	27.26	0.05	15.94	0.18	77.7	7,200	3	1	1	1.5	28	50
	2	7.9	0.06	23.84	21.01	25.89	0.06	15.03	0.15	73.7	6,900	3	1	1	1.5	28	50
	3	6.7	0.05	20.82	17.00	23.52	0.06	12.82	0.13	64.1	6,000	3	1	1	1.5	28	50
	4	6.1	0.03	17.04	13.13	19.15	0.03	10.32	0.11	50.5	5,300	3	1	1	1.5	28	50
	5	6.3	0.08	19.03	15.57	21.49	0.03	11.80	0.12	57.6	5,400	6	1	1	1.5	28	50
	6	7.0	0.05	22.92	18.86	25.48	0.03	14.27	0.13	70.2	6,500	10	1	1	1.5	28	50
	7	6.6	0.05	19.59	14.67	22.10	0.03	11.99	0.12	58.6	6,500	3	1	1	1.5	28	50
	8	7.2	0.09	23.49	19.14	26.18	0.03	14.55	0.14	70.7	5,400	7	1	1	1.5	28	50
	9	7.0	0.07	21.72	17.50	24.26	0.03	13.49	0.12	66.0	6,100	3	1	1	1.5	28	50
	10	6.9	0.03	22.53	19.32	24.30	0.03	14.23	0.14	68.5	5,400	3	1	1	1.5	28	50
	11	6.9	0.06	21.38	17.28	23.58	0.03	13.29	0.13	64.8	5,200	14	1	1	1.5	28	50
	12	7.0	0.05	22.16	17.58	24.63	0.09	13.78	0.14	67.5	6,000	3	1	1	1.5	28	50
ESC-RMA	1	1.1	0.10	30.10	33.33	33.60	0.03	18.79	0.21	92.6	8,300	3	1	1	1.5	28	50
	2	10.1	0.12	28.17	31.08	31.76	0.07	17.66	0.24	87.3	8,500	3	1	1	1.5	28	50
	3	10.1	0.11	28.54	31.36	31.90	0.03	17.87	0.24	88.8	8,900	3	1	1	1.5	28	50
	4	10.0	0.13	27.84	29.23	31.16	0.10	17.59	0.21	86.9	8,400	3	1	1	1.5	28	50
	5	10.1	0.10	28.30	29.72	31.58	0.12	17.87	0.20	87.3	7,900	3	1	1	1.5	28	50
	6	10.0	0.10	28.30	30.23	31.35	0.08	17.76	0.22	87.8	8,500	3	1	1	1.5	28	50
	7	10.1	0.11	28.93	30.80	31.94	0.18	18.11	0.23	90.5	8,200	3	1	1	1.5	28	50
	8	10.3	0.11	28.98	31.16	32.33	0.10	18.33	0.23	89.8	8,200	29	1	1	1.5	28	50
	9	10.3	0.11	29.89	33.98	33.03	0.14	18.67	0.23	95.7	8,100	3	1	1	1.5	28	50
	10	10.4	0.13	30.98	36.31	33.85	0.10	19.16	0.25	98.0	8,800	7	1	1	1.5	28	50
	11	10.4	0.13	29.19	33.02	32.33	0.07	18.12	0.22	93.0	8,200	3	1	1	1.5	28	50
	12	1.3	0.13	31.82	36.94	34.19	0.05	19.61	0.21	100.0	9,200	3	1	1	1.5	28	50
ESC-RMB	1	8.7	0.08	21.42	13.82	25.23	0.03	12.54	0.08	56.8	6,500	3	1	1	1.5	28	50
	2	7.3	0.07	17.74	11.58	22.12	0.03	10.67	0.06	48.4	5,300	3	1	1	1.5	28	50
	3	9.4	0.07	25.78	14.81	28.72	0.07	15.20	0.08	64.6	6,400	3	1	1	1.5	28	50
	4	9.2	0.09	22.86	14.26	26.31	0.03	13.68	0.09	60.4	7,300	3	1	1	1.5	28	50
	5	8.5	0.08	21.55	14.78	24.13	0.03	12.75	0.10	58.0	5,700	3	1	1	1.5	28	50
	6	9.0	0.09	22.38	14.63	25.17	0.06	13.69	0.08	62.9	7,000	3	1	1	1.5	28	50
	7	9.4	0.07	22.82	15.70	26.61	0.07	13.86	0.09	61.2	5,900	3	1	1	1.5	28	50
	8	7.2	0.07	16.33	11.17	19.78	0.08	9.92	0.08	46.7	5,000	3	1	1	1.5	28	50
	9	9.5	0.08	22.93	13.95	28.51	0.06	14.32	0.08	61.6	7,000	3	1	1	1.5	28	50
	10	9.0	0.08	22.62	14.14	25.95	0.06	13.85	0.08	59.4	6,100	3	1	1	1.5	28	50
	11	8.2	0.07	21.83	13.25	25.23	0.03	13.38	0.07	58.3	6,800	3	1	1	1.5	28	50
	12	8.1	0.06	19.04	12.67	22.35	0.17	11.08	0.07	51.1	6,700	3	1	1	1.5	28	50
ESC-RCA	1	9.1	0.03	26.49	23.10	30.10	0.10	18.27	0.14	86.1	9,200	3	1	1	1.5	28	50
	2	9.5	0.07	26.68	23.14	31.25	0.14	18.12	0.15	86.3	9,100	3	1	1	1.5	28	50
	3	9.4	0.06	27.92	24.43	31.84	0.09	19.07	0.16	90.0	10,000	6	1	1	1.5	28	50
	4	10.9	0.07	31.33	26.76	36.08	0.08	21.11	0.18	99.5	9,900	3	1	1	1.5	28	50
	5	10.0	0.06	27.65	24.21	31.95	0.10	18.80	0.15	89.0	9,900	3	1	1	1.5	28	50
	6	9.5	0.06	26.02	21.87	29.50	0.09	17.56	0.13	83.2	9,400	3	1	1	1.5	28	50
	7	9.7	0.05	28.19	24.39	32.32	0.16	19.11	0.17	89.9	9,300	3	1	1	1.5	28	50
	8	9.1	0.03	26.74	23.23	30.70	0.09	18.14	0.16	85.4	9,100	3	1	1	1.5	28	50
	9	9.7	0.07	28.09	23.92	32.10	0.12	18.92	0.18	89.8	8,400	3	1	1	1.5	28	50
	10	9.3	0.06	26.41	23.16	30.02	0.07	17.72	0.16	85.5	8,300	5	1	1	1.5	28	50
	11	9.3	0.03	26.20	21.69	30.77	0.08	17.53	0.19	84.4	9,800	3	1	1	1.5	28	50
	12	9.2	0.06	27.59	23.82	31.90	0.09	18.55	0.15	87.2	8,000	3	1	1	1.5	28	50
ESC-RCB	1	9.8	0.09	28.59	23.53	33.14	0.07	19.37	0.16	89.0	9,300	3	1	1	1.5	28	50
	2	9.7	0.09	27.20	21.91	31.44	0.09	18.48	0.15	83.6	9,300	3	1	1	1.5	28	50
	3	9.8	0.07	26.44	21.06	30.71	0.05	17.70	0.15	80.9	8,200	3	1	1	1.5	28	50
	4	9.1	0.07	26.63	22.36	30.51	0.07	18.01	0.15	82.5	7,800	3	1	1	1.5	28	50
	5	10.1	0.07	28.60	22.56	32.54	0.03	19.22	0.14	86.0	8,700	16	1	1	1.5	28	50
	6	9.0	0.07	25.79	20.15	29.23	0.09	17.55	0.13	78.6	8,400	3	1	1	1.5	28	50
	7	9.6	0.08	28.24	22.39	32.34	0.06	18.96	0.16	86.7	8,700	3	1	1	1.5	28	50
	8	10.2	0.06	28.17	21.03	31.53	0.10	19.28	0.12	83.6	8,900	3	1	1	1.5	28	50
	9	10.4	0.07	30.37	23.05	49.41	0.12	20.67	0.14	91.0	8,100	3	1	1	1.5	28	50
	10	9.3	0.06	27.73	20.71	30.54	0.12	18.65	0.15	82.7	7,700	3	1	1	1.5	28	50
	11	9.3	0.07	27.18	20.94	30.35	0.08	18.36	0.14	82.8	7,200	3	1	1	1.5	28	50
	12	9.9	0.06	28.30	22.04	32.03	0.07	19.04	0.14	85.9	8,100	3	1	1	1.5	28	50
ESC-RFA	1	9.4	0.09	21.78	24.69	26.33	0.12	13.75	0.19	76.4	6,800	7	1	1	1.5	28	50
	2	8.4	0.07	19.21	20.44	23.89	0.15	12.25	0.15	66.8	7,000	7	1	1	1.5	28	50
	3	9.5	0.10	20.73	22.50	25.61	0.12	13.32	0.19	73.4	7,000	7	1	1	1.5	28	50
	4	8.5	0.15	18.31	18.62	22.89	0.11	11.95	0.17	65.9	6,800	8	1	1	1.5	28	50
	5	8.7	0.10	19.49	21.04	24.46	0.08	12.56	0.16	67.8	6,600	8	1	1	1.5	28	50
	6	8.5	0.09	19.45	20.62	24.43	0.08	12.51	0.15	68.0	6,000	6	1	1	1.5	28	50
	7	9.2	0.09	21.37	23.45	26.06	0.08	13.48	0.18	74.0	8,500	14	1	1	1.5	28	50
	8	8.8	0.08	20.28	21.88	25.48	0.07	12.99	0.15	70.9	6,600	5	1	1	1.5	28	50
	9	8.7	0.09	20.69	21.76	25.96	0.09	13.10									