

EXHIBIT I

Total Recoverable Aluminum Sampling Parameters
("Aluminum Sampling")

2018 EPA Aluminum Criteria Sampling Parameters

Sampling Date	pH	DOC	Calcium	Magnesium	Calculated Hardness	Sample Location
	S.U.	mg/L	mg/L	mg/L	Mg/L	
SEC112718	7.2	4.4	20.6	3.0	63.7	
ASHUP112818	5.7	4.8	n/a	n/a	n/a	bridge
SEC120318	7.2	3.4	16.1	2.5	50.6	
ASHUP120418	5.9	3.0	n/a	n/a	n/a	bridge
SEC121018	7.1	4.2	15.6	2.6	49.6	
ASHUP121118	5.4	4.1	n/a	n/a	n/a	bridge
SEC121718	7.1	4.8	17.8	2.9	56.5	
ASHUP121818	5.4	3.4	n/a	n/a	n/a	bridge
SEC122518	7.2	4.1	17.3	2.6	54.1	
ASHUP122618	5.9	3.5	1.5	0.5	5.7	bridge
SEC010119	6.9	3.1	17.7	2.8	55.6	
ASHUP010219	6.4	4.7	2.0	0.6	7.6	bridge
SEC011519	7.0	5.8	18	3.1	57.7	
ASHUP011619	5.3	3.6	3.0	0.8	10.6	bridge
SEC012219	7.0	6.7	16	2.9	51.9	
ASHUP0112319	5.8	3.1	3.2	0.9	11.5	bridge
SEC012919	7.0	5.5	17	2.1	51.1	
ASHUP013019	5.7	6.3	2.1	0.6	7.7	bridge
SEC020519	6.7	6.2	15	2.9	49.4	
ASHUP020619	5.8	2.7	2.6	0.64	9.1	bridge
SEC021219	7.1	5.6	16	2.6	50.7	
ASHUP021319	5.1	3.3	2.9	0.7	10.1	bridge
SEC021919	7.0	5.8	18	3	57.3	
ASHUP022019	5.3	3.9	3.1	0.8	10.9	bridge
SEC022619	7.1	6.0	14	2.6	45.7	
ASHUP022719	5.3	1.9	3.4	0.8	11.9	bridge
SEC030519	7.2	5.5	14	3.1	47.7	
ASHUP030619	5.4	2.2	3.5	0.86	12.3	bridge
SEC031219	7.1	5.8	16	3.4	53.9	
SEC031919	7.0	6.2	20	3.8	65.6	bridge
ASHUP032019	6.6	2.8	2.4	0.66	8.7	
SEC032619	7.1	4.9	20	3.7	65.2	bridge
ASHUP032719	5.6	2.8	2.8	0.66	9.7	
SEC040219	7.2	4.9	16	2.8	51.5	bridge
ASHUP040319	5.3	3.2	1.5	0.44	5.6	
SEC040919	7.4	4.3	17.0	3.0	54.8	bridge
ASHUP040919	5.1	3.5	1.8	0.5	6.6	
SEC041619	6.5	5.1	16	3.3	53.5	bridge
ASHUP41719	5.7	3.4	1.5	0.45	5.6	
SEC042319	7.1	4.6	18	3.3	58.5	bridge
ASHUP042419	5.9	3.5	1.7	0.46	6.1	
SEC043019	7.0	4.1	19	3.2	60.6	bridge
ASHUP050119	5.8	3.7	1.5	0.44	5.6	
SEC050719	7.1	4.4	17	3.1	55.2	bridge
ASHUP050819	5.7	3.4	2.4	0.68	8.8	
SEC051419	7.0	4.3	17	3.1	55.2	bridge
ASHUP051519	5.7	3.2	2.3	0.65	8.4	
SEC060419	6.8	5.3	16	2.9	51.9	bridge

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	S.U.	mg/L	mg/L	mg/L	Mg/L	
ASHUP060519	6.0	3.5	2.5	0.67	9.0	
SEC061819	7.2	8.4	17	3.4	56.4	bridge
ASHUP061919	5.5	5.5	3.1	0.78	10.9	
SEC070919	7.2	5.2	17	3.4	56.4	
ASHWET071019	5.6	4.0	4.5	1.2	16.2	Location change -
SEC073019	7.0	4.8	16	3.3	53.5	from canoe WET location
ASHUP073119	5.9	3.1	4.9	1.3	17.6	bridge
SEC082019	7.2	4.4	19	4.1	64.3	
ASHUP082119	6.9	5.5	6.5	1.7	23.2	bridge
SEC091719	7.1	5.9	18	4.1	61.8	
ASHUP091819	5.9	3.2	6.8	1.7	24.0	bridge
SEC102919	7.0	4.2	18.0	3.8	60.6	
ASHUP103019	6.0	6.0	2.1	0.64	7.9	bridge
SEC111219	7.1	3.8	19	4.0	63.9	
ASHUP111319	4.9	4.5	2.3	0.63	8.3	bridge
SEC121019	6.8	1.9	17	3.9	58.5	
ASHUP121119	6.2	3.9	1.7	0.6	6.7	bridge
SEC011420	6.9	1.65	17	3	54.8	
ASHUP011520	6.0	3.68	1.7	0.48	6.2	bridge - high flows
SEC021120	7.2	1.90	15	3.1	50.2	
ASHUP021220	6.1	3.04	3.0	0.77	10.7	
SEC031020	7.0	2.5	15.1	3.1	50.5	
ASHUP031120	5.2	3.00	2.0	0.55	7.3	
SEC041420	6.7	2.0	17	3.1	55.2	
ASHUP041510	6.0	4.0	1.4	0.44	5.3	high flows
SEC051220	6.9	2.9	16	3.3	53.5	
ASHUP051320	5.9	1.5	2.5	0.63	8.8	
SEC060920	6.2	2.7	15	4.7	56.77	
ASHUP061020	6.2	3.0	4.7	1.2	16.67	
Median ASHUP	5.8	3.4	-	-	8.8	
Median SEC	7.0	4.85	-	-	55.2	