

SPLIT SAMPLING QUALITY ASSURANCE PROGRAM - AUDIT REPORT

Permit Number: PE 107517
 Client Name: Teck Coal Ltd. Elkview Operations
 Regional Office: Kootenay, Nelson
 EPD officer: Kelly Mills

Date of Last Amendment: Apr-2019
 Audit Table Version: 1902
 Amended by: Ken Murray
 Audit Date: 12 August 2022

Manual Data Entry Block											Automated Evaluation Block				
Audit No.	Requisition No.	Sample Site ID	Sample Location/ Site Name	Sample Date	Sample Type	Parameter	Units	Reference LDL	Reference Results	Permit Results	Absolute Deviation	Acceptable Deviation	Deviation Factor	Points Assigned	Pass/Fail
Physical Tests															
pH															
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	pH	pH Units	0.1	7.9	8.1	0.3	1.3	0.2	5	Pass
					WW	pH	pH Units				0.0	0.0	NC		
					WW	pH	pH Units				0.0	0.0	NC		
Physical Tests															
Conductivity															
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Specific Conductance	µS/cm	2.0	140	264	124.0	22.6	5.6	0	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Specific Conductance	µS/cm	2.0	523	546	23.0	69.4	0.3	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Specific Conductance	µS/cm	2.0	592	577	15.0	78.2	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Specific Conductance	µS/cm	2.0	509	483	26.0	67.6	0.4	5	Pass
Physical Tests															
Dissolved Oxygen															
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Dissolved Oxygen	µS/cm	2.0	140.0	NR	NC	22.6	NC		
					WW	Dissolved Oxygen	µS/cm				0.0	0.0	NC		
					WW	Dissolved Oxygen	µS/cm				0.0	0.0	NC		
Physical Tests															
Hardness															
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Hardness (as CaCO ₃)	mg/L	0.5	130	145	15.0	19.1	0.8	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Hardness (as CaCO ₃)	mg/L	0.50	268	280	12.0	100.2	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Hardness (as CaCO ₃)	mg/L	0.60	306	328	22.0	114.4	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Hardness (as CaCO ₃)	mg/L	0.5	286	279	7.0	106.9	0.1	5	Pass
Physical Tests															
Total Suspended Solids (aka Residue Nonfilterable)															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Residue Nonfilterable	mg/L	1.0	<1.0	1.5	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Residue Nonfilterable	mg/L	1.0	<1.0	<1.0	NC	NC	NC	5	Pass
					WW	Residue Nonfilterable	mg/L	3.0	<3.0	<1.0	NC	NC	NC		
Physical Tests															
Total Solids															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Total Solids	mg/L	20.0	461	NR	NC	126.1	NC		
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Total Solids	mg/L	10.0	410	380	30.0	101.1	0.3	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Total Solids	mg/L	20.0	363	332	31.0	105.3	0.3	5	Pass
Physical Tests															
Turbidity															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Turbidity	NTU	0.10	0.40	0.37	0.03	0.22	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Turbidity	NTU	0.10	0.18	0.16	0.02	0.18	0.1	5	Pass
					WW	Turbidity	NTU	0.10	0.50	0.64	0.14	0.24	0.6	4	Pass
Anions and Nutrients															
Alkalinity Total															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Alkalinity Total	mg/L	1.0	176	172	4.00	38.75	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Alkalinity Total	mg/L	1.0	184	188	4.00	40.45	0.1	5	Pass
					WW	Alkalinity Total	mg/L				0.00	0.00	NC		
Anions and Nutrients															
Ammonia Total (as N)															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Nitrogen Ammonia Total. (N)	mg/L	0.0050	0.0081	0.0136	0.00550	0.00879	0.6	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Nitrogen Ammonia Total. (N)	mg/L	0.0050	0.0067	0.0059	0.00080	0.00849	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Nitrogen Ammonia Total. (N)	mg/L	0.0050	<0.0050	<0.0050	NC	NC	NC	5	Pass
Anions and Nutrients															
Bromide															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Bromide	mg/L	0.050	0.180	0.145	0.035	0.11	0.3	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Bromide	mg/L	0.050	0.054	<0.050	NC	0.08	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Bromide	mg/L	0.050	<0.050	<0.050	NC	NC	NC	5	Pass
Anions and Nutrients															
Chloride															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Chloride	mg/L	0.50	3.54	3.67	0.130	1.208	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Chloride	mg/L	0.50	3.89	3.66	0.230	1.257	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Chloride	mg/L	0.500	0.52	0.52	0.000	0.781	0.0	5	Pass
Anions and Nutrients															
Fluoride															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Fluoride	mg/L	0.020	0.164	0.176	0.012	0.05	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Fluoride	mg/L	0.020	0.150	0.126	0.024	0.05	0.5	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Fluoride	mg/L	0.020	0.189	0.195	0.006	0.06	0.1	5	Pass
Anions and Nutrients															
Nitrate Dissolved (as N)															
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Nitrate (as N)	mg/L	0.0050	0.804	0.824	0.02000	0.12077	0.2	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Nitrate (as N)	mg/L	0.0030	1.480	1.77	0.29000	0.21355	1.4	2	Fail
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Nitrate (as N)	mg/L	0.0030	1.690	1.70	0.01000	0.24324	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Nitrate (as N)	mg/L	0.003	0.421	0.400	0.02100	0.06378	0.3	5	Pass
Anions and Nutrients															
Nitrite Dissolved (as N)															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Nitrite (as N)	mg/L	0.0010	0.0023	<0.0010	NC	0.00174	NC	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Nitrite (as N)	mg/L	0.0010	<0.0010	0.0017	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Nitrite (as N)	mg/L	0.001	<0.0010	<0.0010	NC	NC	NC	5	Pass
Anions and Nutrients															
Total Kjeldahl Nitrogen															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Total Kjeldahl Nitrogen	mg/L	0.050	0.229	0.437	0.2080	0.1517	1.4	2	Fail
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Total Kjeldahl Nitrogen	mg/L	0.240	<0.240	0.232	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Total Kjeldahl Nitrogen	mg/L	0.1	<0.050	<0.050	NC	NC	NC	5	Pass
Anions and Nutrients															
Orthophosphate - Dissolved															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Orthophosphate	mg/L	0.0010	<0.0010	<0.0010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Orthophosphate	mg/L	0.0010	<0.0010	<0.0010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Orthophosphate	mg/L	0.0010	0.0071	0.0026	0.0045	0.0034	1.3	2	Fail
Anions and Nutrients															
Phosphorous (P) - Total															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Phosphorus Total	mg/L	0.0020	0.0046	<0.0020	NC	0.00413	NC	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Phosphorus Total	mg/L	0.0020	0.0027	<0.0020	NC	0.00359	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Phosphorus Total	mg/L	0.0020	0.0098	0.0084	0.00140	0.00560	0.2	5	Pass
Anions and Nutrients															
Sulphate															
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Sulphate	mg/L	0.30	121	124	3.00	17.54	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Sulphate	mg/L	0.30	122	132	10.00	17.68	0.6	4	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Sulphate	mg/L	0.30	114	109	5.00	16.55	0.3	5	Pass

Manual Data Entry Block										Automated Evaluation Block					
Audit No.	Requisition No.	Sample Site ID	Sample Location/ Site Name	Sample Date	Sample Type	Parameter	Units	Reference LDL	Reference Results	Permit Results	Absolute Deviation	Acceptable Deviation	Deviation Factor	Points Assigned	Pass/Fail
Organic/Inorganic Carbon										Dissolved Organic Carbon					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Dissolved Organic Carbon	mg/L	0.50	1.29	0.84	0.450	1.072	0.4	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Dissolved Organic Carbon	mg/L	0.50	1.45	0.70	0.750	1.117	0.7	4	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Dissolved Organic Carbon	mg/L	0.50	1.41	3.50	2.090	1.106	1.9	0	Fail
Organic/Inorganic Carbon										Total Organic Carbon					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Total Organic Carbon	mg/L	0.50	1.25	1.34	0.090	1.061	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Total Organic Carbon	mg/L	0.50	1.09	0.85	0.240	1.015	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Total Organic Carbon	mg/L	0.50	1.33	0.94	0.390	1.083	0.4	5	Pass
Metals Total										Aluminum					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Aluminum	mg/L	0.0030	0.1090	0.3980	0.28900	0.01966	14.7	0	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Aluminum	mg/L	0.0030	0.0064	0.0078	0.00140	0.00605	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Aluminum	mg/L	0.0030	0.0040	0.0060	0.00200	0.00537	0.4	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Aluminum	mg/L	0.0030	0.0154	0.0135	0.00190	0.00860	0.2	5	Pass
Metals Total										Antimony					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Antimony	mg/L	0.00010	0.00010	0.00014	0.00004	0.00016	0.3	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Antimony	mg/L	0.00010	0.00015	0.00015	0.00000	0.00018	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Antimony	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Antimony	mg/L	0.00010	<0.00010	0.00010	NC	NC	NC	5	Pass
Metals Total										Arsenic					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Arsenic	mg/L	0.00010	0.00025	0.00038	0.000130	0.000177	0.7	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Arsenic	mg/L	0.00010	0.00020	0.00021	0.000010	0.000198	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Arsenic	mg/L	0.00010	0.00014	0.00016	0.000020	0.000181	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Arsenic	mg/L	0.00010	0.00018	0.00025	0.00007	0.00019	0.4	5	Pass
Metals Total										Barium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Barium	mg/L	0.00010	0.0509	0.0549	0.00400	0.00734	0.5	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Barium	mg/L	0.00010	0.1010	0.0986	0.00240	0.02871	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Barium	mg/L	0.00010	0.1160	0.1200	0.00400	0.03295	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Barium	mg/L	0.00010	0.0440	0.0476	0.00360	0.01259	0.3	5	Pass
Metals Total										Beryllium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Beryllium	mg/L	0.00010	<0.0001	<0.00002	NC	NC	NC	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Beryllium	mg/L	0.00010	<0.0001	<0.000020	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Beryllium	mg/L	0.00010	<0.00010	<0.000020	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Beryllium	mg/L	0.00010	<0.000100	<0.000020	NC	NC	NC	5	Pass
Metals Total										Bismuth					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Bismuth	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Bismuth	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Bismuth	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Bismuth	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
Metals Total										Boron					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Boron	mg/L	0.010	<0.010	<0.010	NC	NC	NC	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Boron	mg/L	0.010	0.012	0.013	0.0010	0.0175	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Boron	mg/L	0.010	0.014	0.018	0.0040	0.0181	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Boron	mg/L	0.0100	<0.010	<0.010	NC	NC	NC	5	Pass
Metals Total										Cadmium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Cadmium	mg/L	0.0000050	0.0000598	0.0000644	0.0000046	0.0000155	0.3	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Cadmium	mg/L	0.0000050	0.0000263	0.0000279	0.0000016	0.0000145	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Cadmium	mg/L	0.0000050	0.0000227	0.0000249	0.0000022	0.0000135	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Cadmium	mg/L	0.0000050	0.0000223	0.0000	0.000000	0.00001	0.4	5	Pass
Metals Total										Calcium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Calcium	mg/L	0.050	32.6	35.6	3.000	4.681	0.6	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Calcium	mg/L	0.050	64.8	66.7	1.900	18.399	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Calcium	mg/L	0.050	75.6	73.9	1.700	21.454	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Calcium	mg/L	0.0500	62.3	60.1	2.20000	17.69181	0.1	5	Pass
Metals Total										Chromium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Chromium	mg/L	0.00010	0.00026	0.00065	0.000390	0.000178	2.2	0	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Chromium	mg/L	0.00010	0.00014	0.00027	0.000130	0.000181	0.7	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Chromium	mg/L	0.00010	0.00012	0.00017	0.000050	0.000175	0.3	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Chromium	mg/L	0.0001	0.00019	0.00020	0.00001	0.00020	0.1	5	Pass
Metals Total										Cobalt					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Cobalt	mg/L	0.00010	0.00022	0.00027	0.000	0.000	0.3	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Cobalt	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Cobalt	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Cobalt	mg/L	0.0001	<0.00010	<0.00010	NC	NC	NC	5	Pass
Metals Total										Copper					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Copper	mg/L	0.00050	<0.00050	0.00081	NC	NC	NC	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Copper	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Copper	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Copper	mg/L	0.0005	0.00102	0.00094	0.00008	0.00100	0.1	5	Pass
Metals Total										Iron					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Iron	mg/L	0.0050	0.1400	0.3700	0.23000	0.02687	8.6	0	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Iron	mg/L	0.0050	0.0125	0.0180	0.00550	0.01061	0.5	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Iron	mg/L	0.0050	0.0109	0.0110	0.00010	0.01015	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Iron	mg/L	0.0050	0.0194	0.016	0.00340	0.01256	0.3	5	Pass
Metals Total										Lead					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Lead	mg/L	0.000050	0.000173	0.000241	0.000068	0.000095	0.7	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Lead	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Lead	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Lead	mg/L	0.0001	<0.000050	<0.000050	NC	NC	NC	5	Pass

Manual Data Entry Block										Automated Evaluation Block					
Audit No.	Requisition No.	Sample Site ID	Sample Location/ Site Name	Sample Date	Sample Type	Parameter	Units	Reference LDL	Reference Results	Permit Results	Absolute Deviation	Acceptable Deviation	Deviation Factor	Points Assigned	Pass/Fail
Metals Total										Magnesium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Magnesium	mg/L	0.0050	11.7	12.2	0.500	1.662	0.3	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Magnesium	mg/L	0.0050	27.2	27.4	0.200	7.700	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Magnesium	mg/L	0.0050	28.5	26.4	2.100	8.068	0.3	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Magnesium	mg/L	0.0050	30.0	30.6	0.60000	8.49235	0.1	5	Pass
Metals Total										Manganese					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Manganese	mg/L	0.00010	0.00193	0.00196	0.000030	0.000414	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Manganese	mg/L	0.00010	0.00188	0.00188	0.000000	0.000673	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Manganese	mg/L	0.0001	0.00286	0.00302	0.00016	0.00095	0.2	5	Pass
Metals Total										Molybdenum					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Molybdenum	mg/L	0.000050	0.000543	0.000648	0.000105	0.000148	0.7	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Molybdenum	mg/L	0.000050	0.001040	0.001030	0.000010	0.000365	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Molybdenum	mg/L	0.000050	0.000851	0.000821	0.000030	0.000311	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Molybdenum	mg/L	0.0001	0.000762	0.000802	0.00004	0.00029	0.1	5	Pass
Metals Total										Nickel					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Nickel	mg/L	0.00050	0.00193	0.00226	0.000	0.001	0.3	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Nickel	mg/L	0.00050	0.00194	0.00195	0.000	0.001	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Nickel	mg/L	0.00050	0.00065	0.00061	0.000	0.001	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Nickel	mg/L	0.0005	0.00066	0.00074	0.00008	0.00089	0.1	5	Pass
Metals Total										Phosphorus					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Phosphorus	mg/L	0.030	0.045	NR	NC	0.049	NC		
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Phosphorus	mg/L	0.030	<0.030	NR	NC	NC	NC		
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Phosphorus	mg/L	0.030	<0.030	NR	NC	NC	NC		
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Phosphorus	mg/L	0.0020	0.0098	0.0084	0.00140	0.00560	0.2	5	Pass
Metals Total										Potassium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Potassium	mg/L	0.050	0.533	0.660	0.127	0.146	0.9	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Potassium	mg/L	0.050	0.949	0.953	0.004	0.339	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Potassium	mg/L	0.050	0.971	0.955	0.016	0.345	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Potassium	mg/L	0.0500	0.713	0.782	0.06900	0.27238	0.3	5	Pass
Metals Total										Selenium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Selenium	mg/L	0.000050	0.00444	0.00458	0.000140	0.000699	0.2	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Selenium	mg/L	0.000050	0.01200	0.01260	0.000600	0.003465	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Selenium	mg/L	0.000050	0.01470	0.01400	0.000700	0.004228	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Selenium	mg/L	0.0001	0.0222	0.0228	0.00060	0.00635	0.1	5	Pass
Metals Total										Silicon					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Silicon	mg/L	0.10	1.96	2.51	0.550	0.419	1.3	2	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Silicon	mg/L	0.01	2.17	2.18	0.010	0.628	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Silicon	mg/L	0.10	2.22	2.16	0.060	0.769	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Silicon	mg/L	0.1000	2.14	2.28	0.14000	0.74670	0.2	5	Pass
Metals Total										Silver					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Silver	mg/L	0.000010	<0.000010	<0.000020	NC	NC	NC		
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Silver	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Silver	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Silver	mg/L	0.0000	<0.000010	<0.000010	NC	NC	NC	5	Pass
Metals Total										Sodium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Sodium	mg/L	0.050	1.80	1.86	0.060	0.325	0.2	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Sodium	mg/L	0.050	3.37	3.37	0.000	1.024	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Sodium	mg/L	0.050	5.05	5.02	0.030	1.499	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Sodium	mg/L	0.0500	1.14	1.22	0.08000	0.39315	0.2	5	Pass
Metals Total										Strontium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Strontium	mg/L	0.00020	0.0808	0.0867	0.00590	0.01171	0.5	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Strontium	mg/L	0.00020	0.1810	0.1820	0.00100	0.05148	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Strontium	mg/L	0.00020	0.2160	0.1890	0.02700	0.06138	0.4	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Strontium	mg/L	0.00020	0.0912	0.102	0.01080	0.02608	0.4	5	Pass
Metals Total										Sulfur					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Sulfur	mg/L	0.05	15.10	NR	NC	2.206	NC		
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Sulfur	mg/L	0.50	43.60	NR	NC	13.039	NC		
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Sulfur	mg/L	0.50	45.70	NR	NC	13.633	NC		
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Sulfur	mg/L	0.5000	43.6	41.0	2.60000	13.03905	0.2	5	Pass
Metals Total										Thallium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Thallium	mg/L	0.000010	0.000011	0.000019	0.000008	0.000016	0.5	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Thallium	mg/L	0.000010	<0.000010	0.000010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Thallium	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
Metals Total										Tin					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
Metals Total										Titanium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Titanium	mg/L	0.00030	0.00087	<0.010	NC	0.00055	NC	0	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Titanium	mg/L	0.00030	<0.00030	<0.010	NC	NC	NC	0	Fail
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Titanium	mg/L	0.00030	<0.00030	<0.010	NC	NC	NC	0	Fail
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Titanium	mg/L	0.00030	<0.00030	0.00040	NC	NC	NC	5	Pass
Metals Total										Uranium					
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Uranium	mg/L	0.000010	0.00053	0.00057	0.000041	0.000089	0.5	4	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Uranium	mg/L	0.000010	0.00130	0.00134	0.000040	0.000382	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Uranium	mg/L	0.000010	0.00125	0.00129	0.000040	0.000368	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Uranium	mg/L	0.000010	0.00171	0.00178	0.00007	0.00050	0.1	5	Pass

Manual Data Entry Block										Automated Evaluation Block					
Audit No.	Requisition No.	Sample Site ID	Sample Location/ Site Name	Sample Date	Sample Type	Parameter	Units	Reference LDL	Reference Results	Permit Results	Absolute Deviation	Acceptable Deviation	Deviation Factor	Points Assigned	Pass/Fail
Metals Total						Vanadium									
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Vanadium	mg/L	0.00050	0.00076	0.00185	0.001090	0.000815	1.3	2	Fail
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Vanadium	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Vanadium	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Vanadium	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
Metals Total						Zinc									
18.1	S1526494404	E300091	EVO-Michel Creek Comp. Pt.	30-May-2018	WW	Zinc	mg/L	0.0030	0.00320	0.00370	0.00050	0.00470	0.1	5	Pass
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Zinc	mg/L	0.0030	<0.0030	<0.0030	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Zinc	mg/L	0.0030	<0.0030	<0.0030	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Zinc	mg/L	0.0030	<0.0030	<0.0030	NC	NC	NC	5	Pass
Metals Dissolved						Aluminum									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Aluminum	mg/L	0.0010	0.0015	<0.0030	NC	0.00184	NC	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Aluminum	mg/L	0.0010	<0.0010	<0.0030	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Aluminum	mg/L	0.0010	0.0019	0.0019	0.00000	0.00195	0.0	5	Pass
Metals Dissolved						Antimony									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Antimony	mg/L	0.00010	0.00014	0.00015	0.00001	0.00018	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Antimony	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Antimony	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
Metals Dissolved						Arsenic									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Arsenic	mg/L	0.00010	0.00018	0.00017	0.00001	0.00019	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Arsenic	mg/L	0.00010	0.00014	0.00017	0.00003	0.00018	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Arsenic	mg/L	0.00010	0.00017	0.00018	0.00001	0.00019	0.1	5	Pass
Metals Dissolved						Barium									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Barium	mg/L	0.00010	0.1000	0.0987	0.00130	0.02843	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Barium	mg/L	0.00010	0.1210	0.1190	0.00200	0.03437	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Barium	mg/L	0.00010	0.0464	0.0492	0.00280	0.01327	0.2	5	Pass
Metals Dissolved						Beryllium									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Beryllium	mg/L	0.00010	<0.00010	<0.000020	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Beryllium	mg/L	0.00010	<0.00010	<0.000020	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Beryllium	mg/L	0.00010	<0.00010	<0.000020	NC	NC	NC	5	Pass
Metals Dissolved						Bismuth									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Bismuth	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Bismuth	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Bismuth	mg/L	0.00005	<0.000050	<0.000050	NC	NC	NC	5	Pass
Metals Dissolved						Boron									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Boron	mg/L	0.010	0.012	0.011	0.00100	0.01754	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Boron	mg/L	0.010	0.014	0.014	0.00000	0.01810	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Boron	mg/L	0.010	<0.010	<0.010	NC	NC	NC	5	Pass
Metals Dissolved						Cadmium									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Cadmium	mg/L	0.0000050	0.0000274	0.000024	0.0000032	0.0000148	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Cadmium	mg/L	0.0000050	0.0000288	0.0000282	0.0000006	0.0000152	0.0	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Cadmium	mg/L	0.0000	0.0000211	0.0000	0.0000006	0.0000130	0.0	5	Pass
Metals Dissolved						Calcium									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Calcium	mg/L	0.050	63.7	65.4	1.70	18.1	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Calcium	mg/L	0.050	84.1	81.0	3.10	23.9	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Calcium	mg/L	0.0500	64.6	61.6	3.00	18.3	0.2	5	Pass
Metals Dissolved						Chromium									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Chromium	mg/L	0.00010	0.00014	0.00014	0.0000000	0.000181	0.0	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Chromium	mg/L	0.00010	0.00012	0.00011	0.0000010	0.000175	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Chromium	mg/L	0.00010	0.00016	0.00018	0.0000020	0.000187	0.1	5	Pass
Metals Dissolved						Cobalt									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Cobalt	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Cobalt	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Cobalt	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
Metals Dissolved						Copper									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Copper	mg/L	0.00050	0.00022	<0.00050	NC	0.000769	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Copper	mg/L	0.00020	<0.00020	<0.00020	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Copper	mg/L	0.00020	0.00084	0.00125	0.000410	0.000520	0.8	4	Pass
Metals Dissolved						Iron									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Iron	mg/L	0.0050	0.0060	<0.010	NC	0.0088	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Iron	mg/L	0.0050	<0.0050	<0.010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Iron	mg/L	0.0050	<0.0050	<0.010	NC	NC	NC	5	Pass
Metals Dissolved						Lead									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Lead	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Lead	mg/L	0.000050	<0.000050	<0.000050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Lead	mg/L	0.00005	<0.000050	<0.000050	NC	NC	NC	5	Pass
Metals Dissolved						Magnesium									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Magnesium	mg/L	0.0050	26.5	28.3	1.800	7.502	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Magnesium	mg/L	0.0050	31.1	30.6	0.500	8.803	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Magnesium	mg/L	0.0050	30.3	30.4	0.100	8.577	0.0	5	Pass
Metals Dissolved						Manganese									
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Manganese	mg/L	0.00010	0.00118	0.00088	0.00030	0.00048	0.6	4	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Manganese	mg/L	0.00010	0.00134	0.00121	0.00013	0.00052	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Manganese	mg/L	0.00010	0.00221	0.00236	0.00015	0.00077	0.2	5	Pass

Manual Data Entry Block										Automated Evaluation Block					
Audit No.	Requisition No.	Sample Site ID	Sample Location/ Site Name	Sample Date	Sample Type	Parameter	Units	Reference LDL	Reference Results	Permit Results	Absolute Deviation	Acceptable Deviation	Deviation Factor	Points Assigned	Pass/Fail
Metals Dissolved										Molybdenum					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Molybdenum	mg/L	0.00050	0.000932	0.000981	0.000049	0.000334	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Molybdenum	mg/L	0.00050	0.000859	0.000773	0.000086	0.000314	0.3	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Molybdenum	mg/L	0.00005	0.000834	0.000774	0.000060	0.000307	0.2	5	Pass
Metals Dissolved										Nickel					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Nickel	mg/L	0.00050	0.00173	0.00181	0.00008	0.00120	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Nickel	mg/L	0.00050	0.00077	0.00061	0.00016	0.00092	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Nickel	mg/L	0.0005	0.00052	0.00068	0.00016	0.00085	0.2	5	Pass
Metals Dissolved										Phosphorus					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Phosphorus	mg/L	0.010	<0.010	NR	NC	NC	NC		
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Phosphorus	mg/L	0.010	<0.010	NR	NC	NC	NC		
					WW	Phosphorus	mg/L				0.000	0.000	NC		
Metals Dissolved										Potassium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Potassium	mg/L	0.050	0.958	1.000	0.042	0.342	0.1	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Potassium	mg/L	0.050	1.030	1.000	0.030	0.362	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Potassium	mg/L	0.0500	0.712	0.781	0.069	0.272	0.3	5	Pass
Metals Dissolved										Selenium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Selenium	mg/L	0.00050	0.0126	0.0136	0.001000	0.003635	0.3	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Selenium	mg/L	0.00005	0.0151	0.0142	0.000900	0.004342	0.2	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Selenium	mg/L	0.000050	0.0237	0.0253	0.001600	0.006774	0.2	5	Pass
Metals Dissolved										Silicon					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Silicon	mg/L	0.050	2.07	2.37	0.300	0.656	0.5	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Silicon	mg/L	0.100	2.12	2.08	0.040	0.741	0.1	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Silicon	mg/L	0.10	2.03	2.22	0.190	0.716	0.3	5	Pass
Metals Dissolved										Silver					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Silver	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Silver	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Silver	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
Metals Dissolved										Sodium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Sodium	mg/L	0.050	3.14	3.29	0.150	0.959	0.2	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Sodium	mg/L	0.050	5.34	4.94	0.400	1.581	0.3	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Sodium	mg/L	0.05	1.14	1.20	0.060	0.393	0.2	5	Pass
Metals Dissolved										Strontium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Strontium	mg/L	0.00020	0.164	0.178	0.0140	0.0467	0.3	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Strontium	mg/L	0.00020	0.199	0.192	0.0070	0.0566	0.1	5	Pass
					WW	Strontium	mg/L	0.0002	0.100	0.104	0.0040	0.0286	0.1	5	Pass
Metals Dissolved										Sulfur					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Sulfur	mg/L	0.50	39.1	NR	NC	11.8	NC		
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Sulfur	mg/L	0.50	45.0	NR	NC	13.4	NC		
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Sulfur	mg/L	0.50	36.8	40.3	3.50	11.1	0.3	5	Pass
Metals Dissolved										Thallium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Thallium	mg/L	0.00001	<0.000010	0.000010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Thallium	mg/L	0.00001	<0.000010	<0.000010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Thallium	mg/L	0.000010	<0.000010	<0.000010	NC	NC	NC	5	Pass
Metals Dissolved										Tin					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Tin	mg/L	0.00010	<0.00010	<0.00010	NC	NC	NC	5	Pass
Metals Dissolved										Titanium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Titanium	mg/L	0.00030	<0.00030	<0.010	NC	NC	NC	0	Fail
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Titanium	mg/L	0.00030	<0.00030	<0.010	NC	NC	NC		
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Titanium	mg/L	0.00030	<0.00030	<0.00030	NC	NC	NC	5	Pass
Metals Dissolved										Uranium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Uranium	mg/L	0.000010	0.00124	0.00135	0.000110	0.000365	0.3	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Uranium	mg/L	0.000010	0.00116	0.00133	0.000170	0.000342	0.5	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Uranium	mg/L	0.000010	0.00161	0.00173	0.000120	0.000470	0.3	5	Pass
Metals Dissolved										Vanadium					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Vanadium	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Vanadium	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Vanadium	mg/L	0.00050	<0.00050	<0.00050	NC	NC	NC	5	Pass
Metals Dissolved										Zinc					
19.1	S1564066602	E300090	Elk River Compliance Point	13-Aug-2019	WW	Zinc	mg/L	0.00100	0.00370	<0.0010	NC	0.002461	NC	2	Fail
20.1	S1601388738	E300091	EVO-Michel Creek Comp. Pt.	6-Oct-2020	WW	Zinc	mg/L	0.00100	<0.0010	<0.0010	NC	NC	NC	5	Pass
22.1	S1656348517	E102682	EVO-Harmer Dam Spillway	19-Jul-2022	WW	Zinc	mg/L	0.0010	<0.0010	<0.0010	NC	NC	NC	5	Pass

Notes:
Interpretive Notes:
 1. The **Points Assigned** (Column O) are based on an industry standard grading scale. Available points are 5, 4, 2 and 0 (5 is the highest possible score). Scores of 0 and 2 demonstrate an unacceptable analytical result.

Key Notes:
NC : Not Completed or Not Calculable. NC denotes that a test result was either 'Not Reported' or was 'Reported Below the Reportable Detection Limit (RDL)'.
2.1 Column N Cells that are highlighted **dark green and boldened** indicate results that **deviate by a factor of 2 or greater** or those that are **categorized as NC**. Cells with this designation **require further scrutiny**.
NC Column N Cells that are highlighted **dark green and boldened** and contain 'NC' **require further scrutiny**. These test results may not be valid, or the difference between a 'below detect' and a detect may be great enough to warrant further investigative actions.

na : Not Applicable
NR : Not Reported. A performance score of 0 is assigned for required test results that are not reported.
***NR/SL** : Not Required for submission or inclusion of the Audit/Samples Lost and are therefore not included in the Audit.
% Mort : Percent of mortality among test organisms which occurred during the full test period of an LC50 or LT50 bioassay.
NAL : Not Acutely Lethal = designated for an LC50 bioassay test that did not result in a 50% mortality of test organisms during the 48 or 96 hour test period.