

**NEW GOLD RAINY RIVER MINE  
APPENDIX B  
EFFLUENT DISCHARGE WATER  
QUALITY RESULTS**

### 2019 Effluent Discharge Water

		pH*	Ammonia, Unionized (mg/L)	Arsenic, Total (mg/L)	Copper, Total (mg/L)	Cyanide, Free (mg/L)	Cyanide, Total (mg/L)	Lead, Total (mg/L)	Nickel, Total (mg/L)	Radium (Bq/L)
ECA	Daily	6.0	0.08	0.034	0.028	0.02	0.1	0.03	0.094	-
	Monthly	9.5	0.04	0.017	0.014	0.01	0.05	0.015	0.047	-
MDMER	Daily	6.0	-	1.0	0.6	-	-	0.4	1.0	1.11
	Monthly	9.5	-	0.5	0.3	-	-	0.2	0.5	0.37
16-Sep-19	Sediment Pond 1	7.53		0.00165	0.0023	-	0.0024	0.00001	0.00134	<0.01
23-Sep-19	Sediment Pond 1	8.32		0.0017	0.00222	-	0.0004	0.00005	0.0014	<0.01
30-Sep-19	Sediment Pond 1	7.79		0.00178	0.00218	-	0.0008	0.000025	0.00124	<0.01
07-Oct-19	Sediment Pond 1	8.50		0.00163	0.00202		0.0016	0.00004	0.00134	<0.01
07-Oct-19	Sediment Pond 2	8.58		0.00163	0.00202		0.0004	0.00004	0.00134	<0.01
15-Oct-19	Sediment Pond 2	8.05		0.0015	0.0025		0.0004	0.000017	0.00158	<0.01
21-Oct-19	Sediment Pond 2	8.21		0.00157	0.00222		0.0004	0.0001	0.00156	<0.01
28-Oct-19	Sediment Pond 2	8.03		0.0015	0.0022		0.0004	0.00011	0.0014	<0.01
04-Nov-19	Sediment Pond 2	8.64		0.00149	0.0021		0.0004	0.00011	0.00116	<0.01
09-Oct-19	Water Discharge Pipeline <sup>o</sup>	7.55		0.00153	0.00188		0.0044	0.00003	0.00152	<0.01
15-Oct-19	Water Discharge Pipeline <sup>o</sup>	7.99		0.00182	0.00276		0.0032	0.000085	0.0017	<0.01
16-Oct-19	Water Discharge Pipeline <sup>o</sup>	8.27		0.00172	0.00256		0.0001	0.0001	0.00148	
17-Oct-19	Water Discharge Pipeline <sup>o</sup>	8.16		0.00165	0.0024		0.0006	0.000065	0.0013	<0.01
21-Oct-19	Water Discharge Pipeline <sup>o</sup>	8.29		0.00179	0.00332		0.0004	0.000095	0.00148	
22-Oct-19	Water Discharge Pipeline <sup>o</sup>	7.23		0.00177	0.00336		0.0018	0.00006	0.00148	
23-Oct-19	Water Discharge Pipeline <sup>o</sup>	7.33		0.00189	0.00396		0.002	0.00004	0.00156	
28-Oct-19	Water Discharge Pipeline <sup>o</sup>	7.35		0.0021	0.0051		0.0012	0.00009	0.0016	<0.01
29-Oct-19	Water Discharge Pipeline <sup>o</sup>	8.39		0.002	0.0051		0.0012	0.00007	0.0017	
30-Oct-19	Water Discharge Pipeline <sup>o</sup>	7.81		0.0019	0.0049		0.0014	0.00009	0.0016	
04-Nov-19	Water Discharge Pipeline <sup>o</sup>	7.77		0.00241	0.00734		0.002	0.000135	0.00194	NA
05-Nov-19	Water Discharge Pipeline <sup>o</sup>	8.06					0.002			
06-Nov-19	Water Discharge Pipeline <sup>o</sup>	8.06		0.00233	0.00706		0.002	0.00011	0.00184	
11-Nov-19	Water Discharge Pipeline <sup>o</sup>	7.67		0.00254	0.00804		0.0026	0.0001	0.002	<0.01
12-Nov-19	Water Discharge Pipeline <sup>o</sup>	8.33		0.00249	0.0076		0.0024	0.000095	0.00186	
13-Nov-19	Water Discharge Pipeline <sup>o</sup>	7.12		0.00245	0.0076		0.0022	0.00011	0.00192	
16-Nov-19	Water Discharge Pipeline <sup>o</sup>	8.00		0.00325	0.00872		0.0026	0.000865	0.0028	<0.01

\* Lower and upper range as opposed to daily and monthly limit

^ Pass or fail result

<sup>o</sup> ECA Thrice Weekly sampling

NA = Missed sample