
Report:

EPA Environmental Testing Points

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2025



EPA Environmental Testing

Document Title	EPA Environmental Testing report			
Document ID	Version	Issue Date	Review Time	Review Date
HGM-ENV-RPT-002	2	4 October 2025	-	-
HGM-ENV-RPT-003	2	27 July 2025	-	-
HGM-ENV-RPT-004	3	2 February 2026		

A review of this document will be conducted within the review timeframe, or if any of the following occur:

- Fortnightly.
- When results of EPL points become available.

This Document contains active Monitoring at Hillgrove Mines this does not contain the passive monitoring which at this time is Noise this monitoring have the ability to be contaminated by outside sources. Dust has been monitored monthly however has the ability to be contaminated by outside sources, has been added to this report.

In accordance with the EPA's Requirements for publishing pollution monitoring data those on our Licence noted as ambient are not required to be published 3.3.1 Ambient Data but can be requested.

Date	Change	Compliant / non-complaint
3 July 2025	Report updated from Jan – June will continue to be updated fortnightly. Water and Dust have been added to this report, Noted above the difference. The Report is composed the way EPL921 is reported Annually to the EPA.	Water - Complaint Dust – Complaint
22 July 2025	Point 44 Water results	Water – Complaint
22 August 2025	Update of all Points	Water -Complaint Dust – Complaint
22 September	Update of all points	Water -Complaint Dust – Complaint
25 October	Update of all Points	Water -Complaint Dust – Complaint
24 November	Update of all Points	Water -Complaint Dust – Complaint
4 December	Update of all Points	Water -Complaint Dust – Complaint
2 January 2025	Update of all Points	Water – Complaint Dust - Complaint
12 February 2026	Update of all Points	Water -Complaint Dust – Complaint



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Points Not reported on Due to Being Dry

Quarterly Water points

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- ELP Point 6 – Sunlight Adit (QW-01)
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Quarterly Water Samples

Under section M2.3 are representative samples.

EPL Point 1

Hopetoun Adit, Lv

5 (QW-06)

Comment: 19th June Sample unable to be taken due to being unsafe to reach.

Pollutant	19-Mar-25	19-Jun-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Antimony	0.183	-	1.78	1.8	mg/L	4.	2.
Arsenic	0.056	-	1.34	1.37	mg/L	4.	2.
Cadmium	<0.0001	-	<0.0001	<0.0001	mg/L	4.	2.
Chromium	<0.001	-	<0.001	<0.001	mg/L	4.	2.
Conductivity	271.	-	942	957	µS/cm	4.	2.
Copper	0.002	-	<0.001	<0.001	mg/L	4.	2.
Lead	<0.001	-	<0.001	<0.001	mg/L	4.	2.
Mercury	<0.0001	-	<0.0001	<0.0001	mg/L	4.	2.
pH	8.09	-	8.42	8.41	pH Unit	4.	2.
Selenium	<0.01	-	<0.01	0.002	mg/L	4.	2.
Total Suspended Solids	<5	-	<5	<5	mg/L	4.	2.
Zinc	<0.005	-	<0.005	<0.005	mg/L	4.	2.

EPL Point 3 Eleanora Adit, Lv 9 / 1745 (QW-03)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	19-Mar-25	19-Jun-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Antimony	3.06	3.52	1.33	1.81	mg/L	4	4
Arsenic	3.66	3.9	1.27	1.36	mg/L	4	4
Cadmium	0.0001	0.0001	<0.0001	<0.0001	mg/L	4	4
Chromium	0.001	0.001	<0.001	<0.001	mg/L	4	4
Conductivity	4,720.00	4,520.00	2,150.00	2,280.00	µS/cm	4	4
Copper	0.001	0.001	<0.001	<0.001	mg/L	4	4
Lead	0.001	0.001	<0.001	<0.001	mg/L	4	4
Mercury	0.0001	0.0001	<0.0001	<0.0001	mg/L	4	4



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pH	16.76	16.4	8.3	8.3	pH Unit	4
Selenium	0.01	0.01	<0.01	0.002	mg/L	4
Total Suspended Solids	5	5	<5	<5	mg/L	4
Zinc	0.005	0.005	<0.005	<0.005	mg/L	4

4
4
4
4

EPL Point 5 Lower Cooney Tunnel Adit (QW-02)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	19-Mar-25	19-Jun-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence
Antimony	0.048	0.032	0.036	0.049	mg/L	4.
Arsenic	0.41	0.4	0.173	0.137	mg/L	4.
Cadmium	0.0001	0.0001	<0.0001	<0.0001	mg/L	4.
Chromium	0.001	0.001	<0.001	<0.001	mg/L	4.
Conductivity	1,952.00	2,220.00	671	584	µS/cm	4.
Copper	0.001	0.001	<0.001	<0.001	mg/L	4.
Lead	0.001	0.001	<0.001	<0.001	mg/L	4.
Mercury	0.0001	0.0001	<0.0001	<0.0001	mg/L	4.
pH	17.28	16.86	8.41	8.42	pH Unit	4.
Selenium	0.01	0.01	<0.01	0.002	mg/L	4.
Total Suspended Solids	5	5	<5	<5	mg/L	4.
Zinc	0.005	0.005	<0.005	<0.005	mg/L	4.

No. of samples Collected
4.
4.
4.
4.
4.
4.
4.
4.
4.
4.
4.
4.

EPL Point 9 Blacklode Adit, Lv 7 (QW-11)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	19-Mar-25	19-Jun-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence
Antimony	45.6	45	18.3	22.6	mg/L	4
Arsenic	3.9	4.22	1.91	2.19	mg/L	4
Cadmium	0.0001	0.0001	<0.0001	<0.0001	mg/L	4
Chromium	0.001	0.001	<0.001	<0.001	mg/L	4
Conductivity	3,360.00	3,240.00	1,550.00	1,430.00	µS/cm	4
Copper	0.002	0.001	<0.001	<0.001	mg/L	4

No. of samples Collected
4.
4.
4.
4.
4.
4.



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Lead	0.001	0.001	<0.001	<0.001	mg/L	4	4.
Mercury	0.0001	0.0001	<0.0001	<0.0001	mg/L	4	4.
pH	15.54	15.86	8.11	7.99	pH Unit	4	4.
Selenium	0.01	0.01	<0.01	0.002	mg/L	4	4.
Total Suspended Solids	5	5	<5	<5	mg/L	4	4.
Zinc	0.01	0.005	<0.005	<0.005	mg/L	4	4.

Ambient Water Samples

These results, points 30,31 encompass the external contributors as well as Hillgrove Mine and is unable to be distinguished.

EPL Point 30 Upstream of Swamp Creek Confluence (QW-07)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	19-Mar-25	19-Jun-25	Oct-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Antimony	0.014	0.028	0.018	0.086	mg/L	4.	4.
Arsenic	0.006	0.006	0.004	0.022	mg/L	4.	4.
Cadmium	0.0001	0.0001	<0.0001	<0.0001	mg/L	4.	4.
Chromium	0.001	0.001	<0.001	<0.001	mg/L	4.	4.
Conductivity	362.	530	335	366	µS/cm	4.	4.
Copper	0.004	0.002	<0.001	<0.001	mg/L	4.	4.
Lead	0.001	0.001	<0.001	<0.001	mg/L	4.	4.
Mercury	0.0001	0.0001	<0.0001	<0.0001	mg/L	4.	4.
pH	15.72	15.9	8.14	8.03	pH Unit	4.	4.
Selenium	0.01	0.01	<0.01	0.002	mg/L	4.	4.
Total Suspended Solids	5.	5	<5	<5	mg/L	4.	4.
Zinc	0.005	0.005	<0.005	<0.005	mg/L	4.	4.

EPL Point 31 Four Mile Creek downstream of Swamp Creek Confluence (QW-08)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.



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Pollutant	19-Mar-25	19-Jun-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Antimony	1.68	1.48	0.009	0.006	mg/L	4.	4.
Arsenic	0.132	0.109	0.002	0.004	mg/L	4.	4.
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	4.	4.
Chromium	<0.001	<0.001	<0.001	<0.001	mg/L	4.	4.
Conductivity	311.	325	328	320	µS/cm	4.	4.
Copper	0.005	0.003	<0.001	<0.001	mg/L	4.	4.
Lead	<0.001	<0.001	<0.001	<0.001	mg/L	4.	4.
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	4.	4.
pH	7.85	7.68	8.14	8.03	pH Unit	4.	4.
Selenium	<0.01	<0.01	<0.01	0.002	mg/L	4.	4.
Total Suspended Solids	<5	<5	<5	<5	mg/L	4.	4.
Zinc	<0.005	<0.005	<0.005	<0.005	mg/L	4.	4.

Ground Water Samples

EPL Point 32 Piezometer on southern side of TSF2 Gully (BH-01)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	19-Mar-25	19-Jun-25	29-Oct-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Alkalinity (as calcium carbonte)	54	706	366	398	mg/L	4.	4.
Ammonia	0.3	0.01	---	0.04	mg/L	4.	4.
Antimony	0.258	0.004	0.005	0.006	mg/L	4.	4.
Arsenic	0.004	0.012	0.019	0.018	mg/L	4.	4.
Cadmium	0.0001	0.0001	<0.0001	<0.0001	mg/L	4.	4.
Calcium	16	154	129	134	mg/L	4.	4.
Cholride	6	116	147	237	mg/L	4.	4.
Conductivity	---	---	---	---	µS/cm	4.	4.
Copper	0.02	0.001	<0.001	<0.001	mg/L	4.	4.



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Cyanide (total)	0.004	0.004	<0.004	<0.004	mg/L	4.	4.
Cyanide (weak acid dissociable)	0.004	0.004	<0.004	<0.004	mg/L	4.	4.
Lead	0.001	0.001	<0.001	<0.001	mg/L	4.	4.
Magnesium	---	---	---	90	mg/L	4.	4.
Nitrogen (total)	2.6	0.1	0.4	0.5	mg/L	4.	4.
pH	---	---	---	---	pH Unit	4.	4.
Potassium	4	12	10	11	mg/L	4.	4.
Selenium	0.01	0.01	<0.01	0.002	mg/L	4.	4.
Sodium	22	184	120	143	mg/L	4.	4.
Standing Water Level	---	---	---	---	m	4.	4.
Sulfate	48	416	270	312	mg/L	4.	4.
Total Hardness	48	796	577	705	mg/L	4.	4.
Total Suspended Solids	470	90	24	34	mg/L	4.	4.
Zinc	0.026	0.012	0.018	0.006	mg/L	4.	4.

EPL Point 34 Piezometer on northwest side of TSF2 (BH-03)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	19-Mar-25	19-Jun-25	29-Oct-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Alkalinity (as calcium carbonte)	42	80	33	38	mg/L	4.	4.
Ammonia	0.14	0.01	---	0.04	mg/L	4.	4.
Antimony	0.254	0.298	0.076	0.087	mg/L	4.	4.
Arsenic	0.004	0.002	0.002	0.004	mg/L	4.	4.
Cadmium	0.0001	0.0001	<0.0001	<0.0001	mg/L	4.	4.
Calcium	16	24	11	13	mg/L	4.	4.
Cholride	6	6	2	2	mg/L	4.	4.
Conductivity	---	---	---	---	µS/cm	4.	4.
Copper	0.02	0.014	0.006	0.005	mg/L	4.	4.
Cyanide (total)	0.004	0.004	<0.004	<0.004	mg/L	4.	4.
Cyanide (weak acid dissociable)	0.004	0.004	<0.004	<0.004	mg/L	4.	4.



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Lead	0.001	0.001	<0.001	<0.001	mg/L	4.	4.
Magnesium	---	---	---	3	mg/L	4.	4.
Nitrogen (total)	2.4	1	1	1.1	mg/L	4.	4.
pH	---	---	---	---	pH Unit	4.	4.
Potassium	2	4	2	2	mg/L	4.	4.
Selenium	0.01	0.01	<0.01	0.002	mg/L	4.	4.
Sodium	22	22	11	16	mg/L	4.	4.
Standing Water Level	---	---	---	---	m	4.	4.
Sulfate	44	40	22	26	mg/L	4.	4.
Total Hardness	48	76	36	45	mg/L	4.	4.
Total Suspended Solids	148	5	10	17	mg/L	4.	4.
Zinc	0.024	0.044	0.02	0.014	mg/L	4.	4.

These results Point 35,36

Encompass the external contributors is unable to be distinguished

EPL Point 35 Clean Water Bypass, upstream of Eleanora Dam (FW Bypass Up)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation. Bypass only flowed Twice during the year.

Pollutant	18-Mar-25	13-May-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Ammonia	0.06	0.14	---	---	mg/L	4	2
Antimony	0.248	0.256	---	---	mg/L	4	2
Arsenic	0.078	0.05	---	---	mg/L	4	2
Cadmium	0.0002	0.0001	---	---	mg/L	4	2
Chromium	0.001	0.001	---	---	mg/L	4	2
Conductivity	692	594	---	---	µS/cm	4	2
Copper	0.012	0.01	---	---	mg/L	4	2
Cyanide (total)	0.004	0.004	---	---	mg/L	4	2
Cyanide (weak acid dissociable)	0.004	0.004	---	---	mg/L	4	2
Lead	0.002	0.001	---	---	mg/L	4	2



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Mercury	0.0001	0.0001	---	---	mg/L	4	2
Nitrogen (total)	4.8	3.4	---	---	mg/L	4	2
pH	14.36	14.5	---	---	pH Unit	4	2
Selenium	0.01	0.01	---	---	mg/L	4	2
Total Dissolved Solids	650	538	---	---	mg/L	4	2
Total Suspended Solids	20	5	---	---	mg/L	4	2
Zinc	0.212	0.026	---	---	mg/L	4	2

EPL Point 36 Clean Water Bypass downstream (FW Bypass Down)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation. Bypass only flowed once during the year.

Pollutant	19-Mar-25	19-Jun-25	Sep-25	Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Ammonia	<0.01	---	---	---	mg/L	4	1
Antimony	0.145	---	---	---	mg/L	4	1
Arsenic	0.029	---	---	---	mg/L	4	1
Cadmium	0.0004	---	---	---	mg/L	4	1
Chromium	<0.001	---	---	---	mg/L	4	1
Conductivity	321	---	---	---	µS/cm	4	1
Copper	0.007	---	---	---	mg/L	4	1
Cyanide (total)	<0.004	---	---	---	mg/L	4	1
Cyanide (weak acid dissociable)	<0.004	---	---	---	mg/L	4	1
Lead	<0.001	---	---	---	mg/L	4	1
Mercury	<0.0001	---	---	---	mg/L	4	1
Nitrogen (total)	1.4	---	---	---	mg/L	4	1
pH	7.34	---	---	---	pH Unit	4	1
Selenium	<0.01	---	---	---	mg/L	4	1
Total Dissolved Solids	265	---	---	---	mg/L	4	1
Total Suspended Solids	<5	---	---	---	mg/L	4	1
Zinc	0.418	---	---	---	mg/L	4	1

Monthly Dust

Under section M2.2 Hillgrove Mines is required to collect Representative Samples as this is passive sampling

EPL Point 12 12 300m NNE of plant (HD-01)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	Jan 25	Feb25	Mar25	Apr25	May25	Jun25	Jul25	Aug25	Sep25	Oct25	Nov25	Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	---	---	---	---	70.	---	---	---	---	12.	12
Arsenic	---	---	---	---	---	---	---	30.	---	---	---	---	12.	12
Lead	---	---	---	---	---	---	---	30.	---	---	---	---	12.	12
Mercury	---	---	---	---	---	---	---	2.5	---	---	---	---	12.	12
Particulates - Deposited Matter	0.8	0.7	0.2	0.4	0.4	0.2	0.3	2.2	0.2	---	0.7	0.8	12.	12

EPL Point 13 NNE of plant (HD-02)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Lead	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.8	0.3	0.2	0.4	0.3	0.2	<0.1	0.3	0.4	---	0.7	0.8	12.	12

EPL Point 14 NNE of plant (HD-03)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.



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Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	---	---	---	---	---	---	---	380.	---	12.	12
Arsenic	---	---	---	---	---	---	---	---	---	---	100.	---	12.	12
Lead	---	---	---	---	---	---	---	---	---	---	180.	---	12.	12
Mercury	---	---	---	---	---	---	---	---	---	---	2.5	---	12.	12
Particulates - Deposited Matter	0.9	0.8	<0.1	0.4	<0.1	0.2	<0.1	<0.1	0.2	---	1.9	0.9	12.	12

EPL Point 15 NE of plant between Eleanora Dam and Freshwater Dam (HD-04)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Lead	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.5	0.3	0.2	0.05	0.2	<0.1	0.05	<0.1	0.2	---	0.4	0.5	12.	12

EPL Point 16 East of Plant and east of Eleanora Dam (HD-05)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation. Anomaly response in June unknown reason.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	500.	---	15,200.00	---	---	---	---	390.	---	12.	12
Arsenic	---	---	---	150.	---	800	---	---	---	---	170.	---	12.	12
Lead	---	---	---	140.	---	550	---	---	---	---	170.	---	12.	12
Mercury	---	---	---	2.5	---	2.5	---	---	---	---	2.5	---	12.	12
Particulates - Deposited Matter	1.	0.2	0.9	1.2	0.4	1.4	<0.1	0.6	<0.1	---	2.6	1.	12.	12



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EPL Point 17 South of Plant (HD-06)

Comment: 16th Jan 2025 bottle was broken and smashed

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	170	10	90	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	70	10	10	---	---	---	---	---	---	---	---	12.	12
Lead	---	50	10	10	---	---	---	---	---	---	---	---	12.	12
Mercury	---	2.5	2.5	2.5	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	---	1	2.6	2.9	0.4	0.5	0.2	0.6	0.2	---	1.1	---	12.	12

EPL Point 18 West of Plant at Metz (HD-07)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	10.	---	---	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	10.	---	---	---	---	---	---	---	---	---	---	12.	12
Lead	---	10.	---	---	---	---	---	---	---	---	---	---	12.	12
Mercury	---	2.5	---	---	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.8	1.1	0.4	0.3	0.2	<0.1	<0.1	<0.1	0.3	---	0.8	0.8	12.	12

EPL Point 19 South of Hillgrove Village (HD-10)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation. .

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Lead	---	---	---	---	---	---	---	---	---	---	---	---	12.	12



EPA Environmental Testing

Mercury	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.3	<0.1	0.05	0.05	0.2	<0.1	0.2	0.6	---	0.9	0.4	0.8	12.	12

EPL Point 20 North of Hillgrove Village (HD-11)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Lead	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Mercury	---	---	---	---	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.5	0.2	<0.1	0.2	<0.1	0.3	0.05	0.05	0.05	---	0.4	0.5	12.	12

EPL Point 21 North of Hillgrove Village (HD-12)

Comment: This Dust is contaminated with town activity as well. Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	---	10.	120.	---	---	---	---	---	---	---	---	12.	12
Arsenic	---	---	10.	40.	---	---	---	---	---	---	---	---	12.	12
Lead	---	---	10.	70.	---	---	---	---	---	---	---	---	12.	12
Mercury	---	---	2.5	2.5	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.4	<0.1	7.7	2.1	<0.1	0.2	0.05	0.05	0.2	---	<0.1	0.4	12.	12

EPL Point 22 North of TSF2 (HD-13)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	16 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	18 Jun25	15 Jul25	29 Aug25	2 Sep25	5 Oct25	2 Nov25	14 Dec25	No. of Samples required by licence	No. of samples Collected
Antimony	---	50.	---	---	---	---	---	---	---	---	---	---	12.	12



EPA Environmental Testing

Arsenic	---	70.	---	---	---	---	---	---	---	---	---	---	12.	12
Lead	---	430.	---	---	---	---	---	---	---	---	---	---	12.	12
Mercury	---	2.5	---	---	---	---	---	---	---	---	---	---	12.	12
Particulates - Deposited Matter	0.5	1.2	0.5	<0.1	0.5	0.3	0.5	<0.1	0.5	---	1.1	0.5	12.	12

Special Points

Under L2.3 no discharge to water is permitted unless the specified volume of runoff is exceeded.

EPL Point 23 Discharge from the Spillway of No.3 emergency storage (DW-1)

Comment: No discharge flows in reporting period

EPL Point 24 Discharge to TSF2, Slurry from discharge on tailings thickener (TSF2)

Comment: There is currently no discharge to the TSF2

Monthly Water Samples

EPL Point 25 Eleanora Dam (MW-01)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	14 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	17 Jun25	15 Jul25	19-Aug-25	23-Sep-25	16-Oct-25	19 Nov25	17 Dec25	Unit of Measure	No. of Samples reqd by licence	No. of samples Collected
Ammonia	0.11	0.05	0.03	0.03	0.03	0.04	0.01	0.02	---	0.18	---	---	mg/L	12.	12.
Antimony	3.19	3.07	2.97	4.94	2.24	2.54	4.93	6.19	4.44	4.64	5.11	7.11	mg/L	12.	12.
Arsenic	5.2	5.43	4.12	8.42	4.33	2.73	4.655	4.45	6.74	9.24	12.6	10.7	mg/L	12.	12.
Cadmium	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001	<0.0001	<0.0001	0.0001	mg/L	12.	12.
Chromium	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.0015	<0.001	<0.001	<0.001	<0.001	mg/L	12.	12.
Conductivity	4500	4240	3500	7240	3980	3260	4920	9,620.00	7,100.00	8,920.00	9,700.	8,030.	µS/cm	12	12.
Copper	0.01	0.01	0.011	0.038	0.012	0.015	0.023	0.035	0.022	0.028	0.024	0.032	mg/L	12	12.



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Cyanide (free)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.004	0.004	<0.004	<0.004	<0.004	<0.004	mg/L	12	12.
Cyanide (total)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.008	0.007	<0.004	<0.004	0.006	<0.004	mg/L	12	12.
Cyanide (weak acid dissociable)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.004	0.004	<0.004	<0.004	<0.004	<0.004	mg/L	12	12.
Lead	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12.
Mercury	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12	12.
Nitrogen (total)	1.2	1	1	1.3	1.3	1.5	1.4	1.3	---	2.6	---	---	mg/L	12	12.
pH	7.95	8.08	7.93	16.13	8.02	7.88	8.01	16.21	8.09	8.38	8.38	8.21	pH Unit	12	12.
Selenium	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.002	0.002	mg/L	12	12.
Total Dissolved Solids	3770	3880	3160	5840	3140	2690	4480	8,880.00	6,230.00	8,950.00	11,300.	7,380.	mg/L	12	12.
Total Suspended Solids	14	6	<5	21	42	<5	93	11	8	27	<5	9.	mg/L	12	12.
Zinc	0.007	<0.005	0.013	0.03	0.014	0.024	0.052	0.056	0.048	0.065	0.072	0.044	mg/L	12	12.

EPL Point 26 3rd Emergency Storage (MW-02)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	14 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	17 Jun25	15 Jul25	19-Aug-25	16-Oct-25	18-Nov-25	09-Dec-25	Unit of Measure	No. req by licence	No. of samples Collected
Ammonia	0.02	0.02	0.11	0.18	0.06	<0.01	0.06	0.06	0.09	0.14	0.12	mg/L	12.	12.
Antimony	0.955	0.986	2.57	2.19	1.56	2.82	2.05	1.94	1.13	1.06	0.632	mg/L	12.	12.
Arsenic	1.25	1.57	1.14	1.49	0.621	0.733	0.567	---	0.854	1.11	2.07	mg/L	12.	12.
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12.	12.
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12.	12.



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Conductivity	1630	1400	1170	1350	1150	1130	1330	1080	1350	1230	1400	µS/cm	12	12
Copper	0.003	0.005	0.009	0.004	0.005	0.004	0.003	0.004	0.004	0.005	0.003	mg/L	12	12
Cyanide (free)	0.005	<0.004	0.005	<0.004	<0.004	<0.004	---	<0.004	<0.004	<0.004	<0.004	mg/L	12	12
Cyanide (total)	0.006	<0.004	0.016	0.005	0.008	<0.004	---	<0.004	<0.004	<0.004	<0.004	mg/L	12	12
Cyanide (weak acid dissociable)	<0.004	<0.004	0.006	<0.004	<0.004	<0.004	---	<0.004	<0.004	<0.004	<0.004	mg/L	12	12
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12	12
Nitrogen (total)	1	0.7	1.4	1	0.9	0.6	0.5	0.6	0.6	0.8	1	mg/L	12	12
pH	7.97	7.91	7.82	7.77	7.68	7.51	7.88	7.87	7.7	7.69	8.11	pH Unit	12	12
Selenium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.002	0.002	mg/L	12	12
Total Dissolved Solids	1280	1010	872	967	811	881	1020	798	1030	997	1120	mg/L	12	12
Total Suspended Solids	11	<5	<5	<5	<5	<5	<5	<5	<5	5	6	mg/L	12	12
Zinc	0.02	0.009	0.041	0.054	0.043	0.027	0.031	0.045	0.035	0.032	0.008	mg/L	12	12

EPL Point 27 Upper Bakers Creek (MW-03)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	14 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	17 Jun25	15 Jul25	19-Aug-25	16-Oct-25	18-Nov-25	09-Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Ammonia	0.08	0.06	0.47	0.09	0.04	<0.01	<0.01	0.05	0.25	0.04	0.09	mg/L	12	12
Antimony	0.004	<0.001	0.002	<0.001	<0.001	<0.001	0.018	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Arsenic	0.006	0.006	0.002	0.004	0.001	0.002	0.002	---	0.003	0.002	0.003	mg/L	12	12
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12	12



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Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Conductivity	667	204	204	255	281	341	404	271	443	413	431		µS/cm	12	12
Copper	<0.001	0.004	0.002	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Cyanide (total)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	---	<0.004	<0.004	<0.004	<0.004	<0.004	mg/L	12	12
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12	12
Nitrogen (total)	1.1	1.4	1.9	1.4	0.9	0.7	0.6	0.9	0.8	0.6	0.7		mg/L	12	12
pH	8.22	7.92	7.87	7.97	7.99	8.1	8.18	8.05	8.07	8.12	8.13		pH Unit	12	12
Selenium	<0.01	<0.01	<0.01	205	<0.01	<0.01	<0.01	<0.01	<0.01	0.002	0.002		mg/L	12	12
Total Dissolved Solids	384	192	180		209	213	277	206	272	290	262		mg/L	12	12
Total Suspended Solids	8	<5	<5	<5	<5	<5	<5	<5	<5	8	<5		mg/L	12	12
Zinc	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		mg/L	12	12

EPL Point 28 Downstream Bakers Ck (MW-04)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation.

Pollutant	14 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	17 Jun25	15 Jul25	19-Aug-25	16-Oct-25	18-Nov-25	09-Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Ammonia	0.05	0.05	0.07	0.03	0.16	0.01	<0.01	0.03	0.09	0.09	0.13	mg/L	12	12
Antimony	0.202	0.096	0.199	0.297	0.111	0.269	0.421	0.2	0.198	0.17	0.154	mg/L	12	12
Arsenic	0.067	0.044	0.042	0.06	0.05	0.047	0.038	---	0.036	0.088	0.059	mg/L	12	12
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12	12
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Conductivity	568	251	237	302	309	363	425	272	537	468	576	µS/cm	12	12



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Copper	0.001	0.003	0.004	0.002	0.001	<0.001	0.002	0.001	0.001	0.001	<0.001	mg/L	12	12
Cyanide (total)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	mg/L	12	12
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	12	12
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	12	12
Nitrogen (total)	0.5	0.8	1.1	1.2	1.1	0.5	0.3	0.7	0.5	0.4	0.4	mg/L	12	12
pH	8.06	7.99	7.94	8.05	8.03	8	8.19	8.04	7.92	8.13	8.22	mg/L	12	12
Selenium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.002	0.002	mg/L	12	12
Total Dissolved Solids	346	175	182	262	222	227	266	178	339	328	371	pH Unit	12	12
Total Suspended Solids	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	mg/L	12	12
Zinc	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/L	12	12

EPL Point 29 Point in Creek downstream of TSF1 (MW-05)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation, No Flow Sep and Oct 25 Double test in November

Pollutant	14 Jan25	18 Feb25	18 Mar25	15 Apr25	13 May25	17 Jun25	15 Jul25	19 Aug25	03-Nov-25	18-Nov-25	09-Dec-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Antimony	0.473	0.482	0.024	0.026	0.164	0.307	0.671	0.718	0.662	0.617	0.384	mg/L	12	11
Arsenic	5.92	3.48	0.366	0.124	1.95	1.44	0.846	---	1.79	2.68	3.15	mg/L	12	11
Conductivity	4640	4590	1030	1580	1340	4140	4590	3700	3790	4150	4630	µS/cm	12	11
Cyanide (free)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	mg/L	12	11
Cyanide (total)	0.01	0.012	<0.004	<0.004	<0.004	0.014	0.014	0.02	0.026	0.005	0.008	mg/L	12	11



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Cyanide (weak acid dissociable)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	mg/L	12	11	<0.004	0.003091	0.004
pH	7.76	7.73	7.68	7.04	6.75	7.4	7.62	7.74	7.62	7.77	7.77		pH Unit	12	11	7.62	11.56727	15.52

RO Permeate Results

RO plant came back into commission on the 25th of March 2025, During April the RO had to undergo more maintenance. The RO has not been running since 19th November 2025.

EPL Point 44 Outlet Line of Reverse Osmosis Plant (RO Permeate)

Comment: Analyte values below detection limit assumed 50% of LDL in Mean calculation. Excludes samples taken when plant was diverting permeate back to ES2 (not discharging).

Pollutant	25 Mar25	9 Apr25	14 May25	27 May25	4 Jun25	19 Jun25	25 Jun25	9 Jul25	15-Jul-25	19-Aug-25	23-Sep-25	09-Nov-25	Unit of Measure	No. of Samples required by licence	No. of samples Collected
Ammonia	---	---	---	---	---	---	---	---	---	---	---	---	mg/L	16	16
Antimony	0.016	0.008	0.006	0.007	0.009	0.013	0.009	0.012	0.014	0.019	0.014	0.018	mg/L	16	16
Arsenic	0.028	0.012	0.009	0.011	0.014	0.017	0.011	0.015	0.019	0.025	0.018	0.025	mg/L	16	16
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	16	16
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	16	16
Copper	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	mg/L	16	16
Cyanide (total)	---	---	---	<0.004	<0.004	<0.004	<0.004	<0.004	---	<0.004	<0.004	<0.004	mg/L	16	16
Conductivity	46	23	20	24	27	34	27	35	43	60	44	47	µS/cm	16	16
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/L	16	16
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/L	16	16
pH	6.33	6.11	6.78	6.63	6.21	6.31	6.3	6.04	6.36	6.2	6.93	6.26	pH Unit	16	16
Selenium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/L	16	16
Total Dissolved Solids	32	17	10	13	16	25	16	21	24	35	29	30	mg/L	16	16



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Total Suspended Solids	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	mg/L	16	16
Zinc	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/L	16	16

