



Berrima Colliery in Medway POELA Act 2011 Monitoring Data - 2020

Berrima Colliery, Medway, NSW

Environmental Protection Licence Number 608, held by Boral Limited

Explanation of units of measure:

mg/m³ = milligrams per cubic metre

g/m²/month = grams per square metre per month

µg/m³ = micrograms per cubic metre

mg/L = milligrams per litre

ML/d = megalitres per day

Record updated on: **11 September 2020**

1. Water monitoring

Berrima Colliery has two licensed discharge points and four ambient background monitoring points:

Discharge Points:

- Mine Adit - Naturally occurring groundwater is captured in the underground workings and is discharged into the Wingecarribee River. The monitoring point is referred to as the V Notch Weir (Licence Point 4).
- Pit Top Dam – Referred to as the Chitter Dam, this dam collects water runoff from the surface facilities area. This dam did not discharge during the reporting period.

Ambient background monitoring points:

- Wingecarribee River upstream of the mine adit discharge at Old Hume Highway Crossing at Berrima (Licence Point 9).
- Wingecarribee River upstream of the mine adit discharge at Macarthur's Crossing (Licence Point 10).
- Wingecarribee River downstream of the mine adit discharge at Biloela Camp Site (Licence Point 11).
- Wingecarribee River downstream of mine adit discharge at Black Bob's confluence (Licence Point 12).

Licence limits for both discharge points are as follows:

pH: 6.5-8.5

Oil and Grease: 10 mg/L

Total Suspended Solids: 50 mg/L

Table 1 shows the results of parameters for Licence Point 4 for which the licence limits apply as listed above.

Table 2 provides the data for all of the parameters monitored at the Licenced Discharge Point 4 while Table 3 presents ambient water monitoring data. No concentration limits are assigned to these parameters with the exception of pH, suspended solids, and oil and grease as described above for the discharge point.

Table 1 – Discharge Monitoring Data (Licence Point 4)

| Sampling Date | Report received | Date published | pH | Oil and Grease (mg/L) | Total Suspended Solids (mg/L) |
|---------------|-----------------|----------------|------|-----------------------|-------------------------------|
| 23/01/17 | 03/02/17 | 6/02/17 | 6.72 | <5 | 24 |
| 31/03/17 | 08/05/17 | 5/06/17 | 6.83 | <5 | 7 |
| 30/05/17 | 06/06/17 | 4/07/17 | 6.71 | <5 | 9 |
| 04/07/17 | 07/08/17 | 8/08/17 | 6.80 | <5 | 9 |
| 12/09/17 | 10/10/17 | 13/10/17 | 6.75 | <5 | 32 |
| 09/11/17 | 17/11/17 | 6/12/17 | 6.60 | <5 | 10 |
| 31/01/18 | 09/02/18 | 13/02/18 | 6.77 | <5 | 34 |
| 27/03/18 | 12/04/18 | 14/04/18 | 6.84 | <5 | 8 |
| 31/05/18 | 11/06/18 | 12/06/18 | 6.98 | <5 | 14 |
| 26/07/18 | 1/08/18 | 14/08/18 | 6.85 | <5 | 11 |
| 25/09/18 | 3/10/18 | 4/10/18 | 6.62 | <5 | 6 |
| 27/11/18 | 15/01/19 | 15/01/19 | 7.14 | <5 | <5 |
| 31/01/19 | 08/02/19 | 11/02/19 | 7.05 | 9.0 | <5 |
| 26/03/19 | 11/04/19 | 12/04/19 | 7.29 | <5 | <5 |
| 23/05/19 | 12/06/219 | 13/06/19 | 7.28 | <5 | <5 |
| 25/07/19 | 29/07/19 | 08/08/19 | 6.72 | <5 | 7 |
| 25/09/19 | 08/10/19 | 10/10/19 | 6.93 | <5 | 7 |
| 28/11/19 | 10/12/19 | 12/12/19 | 7.27 | <5 | 4 |
| 11/01/20 | 11/02/20 | 11/02/20 | 7.34 | <5 | <5 |
| 24/03/20 | 08/04/20 | 08/04/20 | 7.30 | <5 | <5 |
| 19/05/20 | 25/05/20 | 04/06/20 | 7.01 | <5 | 19 |
| 21/07/20 | 29/07/20 | 11/08/20 | 7.01 | <5 | <5 |

Note: values noted as <5 means that the levels were below laboratory detection limits.
Compliance summary: Discharge within the licence limits.

Table 2 – Additional Monitoring Parameters for Licence Point 4

| Parameter | Date Sampled: 23/01/17 Report Received: 03/02/17 Date Published: 06/02/17 | Date Sampled: 31/03/17 Report Received: 08/05/17 Date Published: 05/06/17 | Date Sampled: 30/05/17 Report Received: 06/06/17 Date Published: 04/07/17 | Date Sampled: 04/07/17 Report Received: 07/08/17 Date Published: 08/08/17 | Date Sampled: 12/09/17 Report Received: 10/10/17 Date Published: 13/10/17 |
|-------------------------|--|--|--|--|--|
| pH | 6.72 | 6.83 | 6.71 | 6.80 | 6.75 |
| Electrical conductivity | 1030 | 1100 | 960 | 997 | 976 |
| Total Suspended Solids | 24 | 7 | 9 | 9 | 32 |
| Sulphate | 333 | 323 | 332 | 310 | 335 |
| Chloride | 52 | 59 | 59 | 58 | 50 |
| Cobalt (dissolved) | 0.147 | 0.135 | 0.134 | 0.139 | 0.134 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |

| | | | | | |
|-----------------------|---|---|---|---|---|
| Manganese (dissolved) | 10.9 | 10.4 | 11.2 | 11.3 | 11.1 |
| Nickel (dissolved) | 0.421 | 0.367 | 0.393 | 0.414 | 0.386 |
| Parameter | Date Sampled: 23/01/17 Report Received: 03/02/17 Date Published: 06/02/17 | Date Sampled: 31/03/17 Report Received: 08/05/17 Date Published: 05/06/17 | Date Sampled: 30/05/17 Report Received: 06/06/17 Date Published: 04/07/17 | Date Sampled: 04/07/17 Report Received: 07/08/17 Date Published: 08/08/17 | Date Sampled: 12/09/17 Report Received: 10/10/17 Date Published: 13/10/17 |
| Zinc (dissolved) | 1.25 | 0.678 | 0.684 | 0.731 | 0.572 |
| Iron (dissolved) | 9.13 | 0.73 | 6.28 | 13.3 | <0.05 |
| Oil and Grease | <5 | <5 | <5 | <5 | <5 |
| Dissolved oxygen | 10.1 | 8.6 | 8.8 | 9.6 | 7.0 |

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

| Parameter | Date Sampled: 09/11/17 Report Received: 17/11/17 Date Published: 06/12/17 | Date Sampled: 31/01/18 Report Received: 09/02/18 Date Published: 13/02/18 | Date Sampled: 27/03/18 Report Received: 12/04/18 Date Published: 14/04/18 | Date Sampled: 31/05/18 Report Received: 11/06/18 Date Published: 12/06/18 | Date Sampled: 26/07/18 Report Received: 1/07/18 Date Published: 14/08/18 |
|-------------------------|---|---|---|---|--|
| pH | 6.60 | 6.77 | 6.84 | 6.98 | 6.85 |
| Electrical conductivity | 931 | 931 | 970 | 923 | 910 |
| Total Suspended Solids | 10 | 34 | 8 | 14 | 11 |
| Sulphate | 343 | 380 | 357 | 341 | 332 |
| Chloride | 55 | 57 | 60 | 54 | 57 |
| Cobalt (dissolved) | 0.134 | 0.131 | 0.081 | 0.054 | 0.018 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 10.8 | 10.5 | 6.82 | 4.86 | 1.85 |
| Nickel (dissolved) | 0.357 | 0.345 | 0.262 | 0.198 | 0.123 |
| Zinc (dissolved) | 0.518 | 0.446 | 0.434 | 0.266 | 0.158 |
| Iron (dissolved) | 13.0 | 8.91 | 5.65 | 2.80 | 0.21 |
| Oil and Grease | <5 | <5 | <5 | <5 | <5 |
| Dissolved oxygen | 7.6 | 7.1 | 7.7 | 8.6 | 11.1 |

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

| Parameter | Date Sampled: 25/09/18 Report Received: 3/10/18 Date Published: 4/10/18 | Date Sampled: 27/11/18 Report Received: 15/1/19 Date Published: 15/1/19 | Date Sampled: 31/1/19 Report Received: 08/02/19 Date Published: 11/02/19 | Date Sampled: 26/3/19 Report Received: 11/04/19 Date Published: 12/04/19 | Date Sampled: 23/5/19 Report Received: 12/06/19 Date Published: 13/06/19 |
|-------------------------|---|---|--|--|--|
| pH | 6.62 | 7.14 | 7.05 | 7.29 | 7.28 |
| Electrical conductivity | 939 | 868 | 826 | 814 | 790 |
| Total Suspended Solids | 6 | <5 | <5 | <5 | <5 |
| Sulphate | 330 | 321 | 238 | 261 | 280 |
| Chloride | 71 | 57 | 64 | 59 | 41 |
| Cobalt (dissolved) | 0.049 | 0.063 | 0.002 | 0.002 | 0.025 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 4.46 | 5.52 | 1.13 | 0.543 | 1.94 |
| Nickel (dissolved) | 0.196 | 0.198 | 0.082 | 0.065 | 0.066 |
| Zinc (dissolved) | 0.215 | 0.210 | 0.093 | 0.064 | 0.114 |

| Parameter | Date Sampled: 25/09/18 Report Received: 3/10/18 Date Published: 4/10/18 | Date Sampled: 27/11/18 Report Received: 15/1/19 Date Published: 15/1/19 | Date Sampled: 31/1/19 Report Received: 08/02/19 Date Published: 11/02/19 | Date Sampled: 26/3/19 Report Received: 11/04/19 Date Published: 12/04/19 | Date Sampled: 23/5/19 Report Received: 12/06/19 Date Published: 13/06/19 |
|------------------|--|--|---|---|---|
| Iron (dissolved) | 2.87 | 2.32 | <0.05 | <0.05 | <0.05 |
| Oil and Grease | <5 | <5 | 9.0 | <5 | <5 |
| Dissolved oxygen | 8.4 | 9.8 | 8.0 | 8.4 | 9.9 |

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

| Parameter | Date Sampled: 27/7/19 Report Received: 29/07/19 Date Published: 08/08/19 | Date Sampled: 26/9/19 Report Received: 08/10/19 Date Published: 10/10/19 | Date Sampled: 28/11/19 Report Received: 10/12/19 Date Published: 12/12/19 | Date Sampled: 14/01/20 Report Received: 11/02/20 Date Published: 12/03/20 | Date Sampled: 24/03/20 Report Received: 08/04/20 Date Published: 08/04/20 |
|-------------------------|---|---|--|--|--|
| pH | 6.72 | 6.93 | 7.27 | 7.34 | 7.30 |
| Electrical conductivity | 743 | 782 | 748 | 915 | 1110 |
| Total Suspended Solids | 7 | 7 | 4 | <5 | <5 |
| Sulphate | 290 | 306 | 238 | 306 | 455 |
| Chloride | 45 | 55 | 48 | 54 | 54 |
| Cobalt (dissolved) | 0.021 | 0.022 | 0.018 | 0.01 | 0.008 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 1.68 | 1.68 | 1.31 | 0.674 | 3.61 |
| Nickel (dissolved) | 0.065 | 0.067 | 0.050 | 0.040 | 0.18 |
| Zinc (dissolved) | 0.13 | 0.144 | 0.137 | 0.115 | 0.25 |
| Iron (dissolved) | 0.53 | 0.1 | <0.05 | <0.05 | <0.05 |
| Oil and Grease | <5 | <5 | <5 | <5 | <5 |
| Dissolved oxygen | 9.7 | 9.5 | 8.7 | 7.9 | 8.0 |

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

| Parameter | Date Sampled: 19/05/20 Report Received: 25/05/20 Date Published: 04/06/20 | Date Sampled: 21/07/20 Report Received: 29/07/20 Date Published: 11/08/20 | Date Sampled: Report Received: Date Published: | Date Sampled: Report Received: Date Published: | Date Sampled: Report Received: Date Published: |
|-------------------------|--|--|--|--|--|
| pH | 7.01 | 7.01 | | | |
| Electrical conductivity | 968 | 1050 | | | |
| Total Suspended Solids | 19 | <5 | | | |
| Sulphate | 404 | 462 | | | |
| Chloride | 44 | 58 | | | |
| Cobalt (dissolved) | 0.011 | 0.004 | | | |
| Copper (dissolved) | <0.001 | <0.001 | | | |
| Manganese (dissolved) | 1.4 | 2.08 | | | |
| Nickel (dissolved) | 0.085 | 0.123 | | | |
| Zinc (dissolved) | 0.188 | 0.227 | | | |
| Iron (dissolved) | 0.4 | 0.05 | | | |
| Oil and Grease | <5 | <5 | | | |
| Dissolved oxygen | 9.2 | 9.4 | | | |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data

Date Sampled: 31 January 2017

Report Received: 7 February 2017

Date Published: 8 March 2017

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.95 | 7.57 | 7.67 | 7.66 |
| Electrical conductivity | 393 | 301 | 577 | 586 |
| Suspended Solids | 8 | <5 | <5 | 8 |
| Sulphate | 29 | 11 | 126 | 114 |
| Chloride | 49 | 44 | 49 | 50 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | 0.005 | <0.001 |
| Manganese (dissolved) | 0.004 | 0.022 | 0.312 | 0.268 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.006 | 0.004 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.08 | 0.16 | 0.10 | 0.10 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 28 March 2017

Report Received: 6 April 2017

Date Published: 5 May 2017

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.55 | 7.61 | 7.51 | 7.60 |
| Electrical conductivity | 161 | 168 | 186 | 189 |
| Suspended Solids | 13 | 24 | 6 | <5 |
| Sulphate | 5 | 5 | 9 | 9 |
| Chloride | 19 | 20 | 22 | 22 |
| Cobalt | <0.001 | <0.001 | 0.001 | <0.001 |
| Copper (dissolved) | 0.002 | 0.002 | 0.002 | 0.002 |
| Manganese (dissolved) | 0.027 | 0.046 | 0.124 | 0.111 |
| Nickel (dissolved) | 0.001 | 0.001 | 0.006 | 0.006 |
| Zinc (dissolved) | 0.005 | <0.005 | 0.011 | 0.011 |
| Iron (dissolved) | 0.47 | 0.49 | 0.51 | 0.47 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 30 May 2017

Report Received: 6 June 2017

Date Published: 4 July 2017

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.98 | 7.90 | 7.81 | 7.59 |
| Electrical conductivity | 213 | 222 | 312 | 302 |
| Suspended Solids | 7 | 6 | 6 | <5 |
| Sulphate | 18 | 13 | 35 | 36 |
| Chloride | 33 | 33 | 37 | 36 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | 0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.036 | 0.006 | 0.078 | 0.064 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.012 | 0.009 |
| Zinc (dissolved) | 0.038 | 0.034 | 0.046 | 0.044 |
| Iron (dissolved) | 0.74 | 0.56 | 0.52 | 0.42 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 3 August 2017

Report Received: 17 August 2017

Date Published: 11 September 2017

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.69 | 7.82 | 7.67 | 7.67 |
| Electrical conductivity | 203 | 222 | 315 | 251 |
| Suspended Solids | 48 | 17 | 7 | 6 |
| Sulphate | 15 | 10 | 44 | 42 |
| Chloride | 34 | 35 | 38 | 37 |
| Cobalt | <0.001 | <0.001 | 0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.006 | 0.006 | 0.212 | 0.081 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.020 | 0.013 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.021 | 0.014 |
| Iron (dissolved) | 0.24 | 0.29 | 0.21 | 0.29 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 5 September 2017

Report Received: 8 September 2017

Date Published: 13 October 2017

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-----------|---------------------------------|---|----------------------------------|---|
| pH | 7.71 | 7.77 | 7.72 | 7.70 |

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| Electrical conductivity | 270 | 273 | 372 | 378 |
| Suspended Solids | 6 | <5 | <5 | 6 |
| Sulphate | 17 | 14 | 48 | 52 |
| Chloride | 37 | 39 | 40 | 40 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.002 | 0.002 | 0.147 | 0.085 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.014 | 0.010 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.010 | 0.006 |
| Iron (dissolved) | <0.05 | <0.05 | <0.05 | <0.05 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 8 and 9 November 2017

Report Received: 1 December 2017

Date Published: 6 December 2017

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.75 | 7.79 | 7.65 | 7.53 |
| Electrical conductivity | 347 | 315 | 390 | 347 |
| Suspended Solids | 564 | 14 | 6 | <5 |
| Sulphate | 33 | 23 | 57 | 44 |
| Chloride | 45 | 43 | 42 | 40 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.041 | 0.011 | 0.404 | 0.157 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.010 | 0.006 |
| Zinc (dissolved) | <0.005 | 0.007 | 0.006 | <0.005 |
| Iron (dissolved) | 0.07 | 0.11 | 0.06 | <0.05 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 31 January 2018

Report Received: 9 January 2018

Date Published: 13 February 2018

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.65 | 7.53 | 7.55 | 7.47 |
| Electrical conductivity | 325 | 293 | 420 | 552 |
| Suspended Solids | 6 | <5 | <5 | 7 |
| Sulphate | 23 | 18 | 65 | 151 |
| Chloride | 42 | 39 | 43 | 46 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-----------------------|---------------------------|---|----------------------------|-------------------------------------|
| Manganese (dissolved) | 0.039 | 0.034 | 0.262 | 0.336 |
| Nickel (dissolved) | 0.002 | 0.001 | 0.006 | 0.004 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.005 | <0.005 |
| Iron (dissolved) | 0.13 | 0.15 | 0.08 | <0.05 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 27/28 March 2018

Report Received: 12 April 2018

Date Published: 14 April 2018

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.51 | 7.7 | 7.54 | 7.67 |
| Electrical conductivity | 265 | 360 | 548 | 500 |
| Suspended Solids | 5 | <5 | <5 | <5 |
| Sulphate | 24 | 34 | 117 | 84 |
| Chloride | 34 | 46 | 53 | 53 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | <0.001 | 0.018 | 0.291 | 0.255 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.007 | 0.004 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.012 | 0.006 |
| Iron (dissolved) | 0.09 | 0.09 | <0.05 | 0.09 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 28 May 2018

Report Received: 11 June 2018

Date Published: 12 June 2018

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.53 | 7.58 | 7.6 | 7.54 |
| Electrical conductivity | 320 | 268 | 428 | 483 |
| Suspended Solids | 8 | <5 | <5 | ---- |
| Sulphate | 27 | 19 | 91 | 114 |
| Chloride | 37 | 33 | 40 | 42 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | 0.002 |
| Manganese (dissolved) | 0.033 | 0.018 | 0.064 | 0.071 |
| Nickel (dissolved) | <0.001 | 0.002 | 0.004 | 0.003 |
| Zinc (dissolved) | <0.005 | 0.007 | <0.005 | <0.005 |
| Iron (dissolved) | 0.16 | 0.14 | 0.08 | <0.05 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 26 July 2018

Report Received: 01 August 2018

Date Published: 14 August 2018

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.11 | 6.97 | 7.35 | 7.3 |
| Electrical conductivity | 307 | 315 | 455 | 428 |
| Suspended Solids | <5 | <5 | <5 | <5 |
| Sulphate | 36 | 36 | 86 | 71 |
| Chloride | 36 | 38 | 44 | 44 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.035 | 0.011 | 0.024 | 0.023 |
| Nickel (dissolved) | 0.264 | 0.001 | 0.005 | 0.003 |
| Zinc (dissolved) | 0.009 | <0.005 | 0.006 | 0.008 |
| Iron (dissolved) | 0.15 | 0.09 | 0.09 | 0.08 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 25 September 2018

Report Received: 3 October 2018

Date Published: 4 October 2018

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.57 | 7.61 | 7.41 | 7.28 |
| Electrical conductivity | 317 | 307 | 596 | 542 |
| Suspended Solids | <5 | <5 | <5 | <5 |
| Sulphate | 34 | 27 | 145 | 119 |
| Chloride | 42 | 42 | 50 | 49 |
| Cobalt | <0.0001 | <0.0001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.0001 | <0.0001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.038 | 0.016 | 0.119 | 0.094 |
| Nickel (dissolved) | 0.001 | <0.001 | 0.007 | <0.01 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.07 | 0.06 | 0.05 | <0.05 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 27 November 2018

Report Received: 7 December 2018

Date Published: 13 December 2018

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-----------|---------------------------------|---|----------------------------------|---|
| pH | 7.81 | 7.75 | 7.72 | 7.77 |

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| Electrical conductivity | 279 | 294 | 549 | 468 |
| Suspended Solids | 6 | <5 | <5 | <5 |
| Sulphate | 30 | 32 | 145 | 84 |
| Chloride | 32 | 34 | 46 | 42 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.013 | 0.018 | 0.154 | 0.157 |
| Nickel (dissolved) | <0.001 | 0.001 | 0.005 | 0.004 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.1 | 0.13 | 0.05 | 0.09 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 31 January 2019

Report Received: 7 February 2019

Date Published: 11 February 2019

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.19 | 7.26 | 7.26 | 7.2 |
| Electrical conductivity | 152 | 145 | 260 | 255 |
| Suspended Solids | 6 | 10 | <5 | <5 |
| Sulphate | 13 | 10 | 44 | 40 |
| Chloride | 25 | 24 | 32 | 32 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | 0.001 |
| Manganese (dissolved) | 0.018 | 0.005 | 0.326 | 0.455 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.006 | 0.005 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.23 | 0.36 | 0.19 | 0.23 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 26 March 2019

Report Received: 11 April 2019

Date Published: 12 April 2019

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.43 | 7.43 | 7.56 | 7.52 |
| Electrical conductivity | 175 | 173 | 217 | 208 |
| Suspended Solids | 10 | 11 | 9 | 8 |
| Sulphate | 13 | 11 | 21 | 23 |
| Chloride | 26 | 27 | 30 | 30 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-----------------------|---------------------------|---|----------------------------|-------------------------------------|
| Copper (dissolved) | 0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.06 | 0.045 | 0.211 | 0.202 |
| Nickel (dissolved) | <0.001 | 0.001 | 0.005 | 0.004 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.24 | 0.32 | 0.25 | 0.26 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 23 May 2019

Report Received: 12 June 2019

Date Published: 13 June 2019

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.27 | 7.48 | 7.37 | 7.38 |
| Electrical conductivity | 225 | 183 | 237 | 363 |
| Suspended Solids | 22 | <5 | <5 | 6 |
| Sulphate | 24 | 18 | 33 | 81 |
| Chloride | 29 | 26 | 29 | 35 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.021 | 0.019 | 0.076 | 0.138 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.003 | 0.002 |
| Zinc (dissolved) | 0.006 | 0.011 | 0.127 | <0.005 |
| Iron (dissolved) | 0.17 | 0.36 | 0.13 | <0.05 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 25 July 2019

Report Received: 08 August 2019

Date Published: 08 August 2019

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.38 | 6.67 | 6.73 | 6.72 |
| Electrical conductivity | 248 | 254 | 280 | 285 |
| Suspended Solids | 6 | <5 | <5 | <5 |
| Sulphate | 24 | 20 | 22 | 25 |
| Chloride | 32 | 34 | 37 | 37 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | 0.001 | 0.001 | 0.001 | <0.001 |
| Manganese (dissolved) | 0.021 | 0.013 | 0.032 | 0.045 |
| Nickel (dissolved) | 0.001 | 0.001 | 0.003 | 0.002 |
| Zinc (dissolved) | 0.056 | 0.005 | 0.011 | 0.006 |
| Iron (dissolved) | 0.27 | 0.16 | 0.09 | 0.11 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 25 September 2019

Report Received: 08 October 2019

Date Published: 10 October 2019

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.16 | 6.52 | 6.52 | 6.53 |
| Electrical conductivity | 291 | 291 | 286 | 280 |
| Suspended Solids | 12 | 16 | 9 | 7 |
| Sulphate | 33 | 33 | 29 | 28 |
| Chloride | 35 | 36 | 37 | 36 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.016 | 0.015 | 0.042 | 0.043 |
| Nickel (dissolved) | 0.001 | 0.006 | 0.002 | 0.002 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.18 | 0.16 | 0.1 | 0.12 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 28 November 2019

Report Received: 10 December 2019

Date Published: 12 December 2019

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------|---|----------------------------|-------------------------------------|
| pH | 7.44 | 7.49 | 7.76 | 7.6 |
| Electrical conductivity | 277 | 299 | 428 | 345 |
| Suspended Solids | 7 | <5 | <5 | 13 |
| Sulphate | 25 | 24 | 25 | 34 |
| Chloride | 34 | 35 | 45 | 40 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.073 | 0.136 | 1.16 | 0.182 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.008 | 0.002 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.17 | 0.16 | 0.09 | 0.13 |

Units measured in milligrams per litre unless otherwise specified.

Ambient water monitoring was not undertaken in January 2020 due to adverse conditions and catastrophic fire danger. Sampling of the ambient water quality sites is scheduled for February 2020.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 25 February 2020

Report Received: 12 March 2020

Date Published: 12 March 2020

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.16 | 7.13 | 7.13 | 7.14 |
| Electrical conductivity | 140 | 168 | 231 | 207 |
| Suspended Solids | 31 | 36 | 42 | 27 |
| Sulphate | 9 | 12 | 28 | 18 |
| Chloride | 22 | 26 | 30 | 30 |
| Cobalt | <0.001 | <0.001 | 0.004 | 0.001 |
| Copper (dissolved) | 0.002 | 0.002 | 0.002 | 0.003 |
| Manganese (dissolved) | 0.06 | 0.063 | 0.48 | 0.159 |
| Nickel (dissolved) | 0.001 | 0.002 | 0.007 | 0.006 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.013 | 0.01 |
| Iron (dissolved) | 0.36 | 0.46 | 0.81 | 0.58 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 24 March 2020

Report Received: 08 April 2020

Date Published: 08 April 2020

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.11 | 7.37 | 7.26 | 7.41 |
| Electrical conductivity | 202 | 195 | 298 | 280 |
| Suspended Solids | 8 | <5 | 40 | 8 |
| Sulphate | <1 | <1 | 65 | 58 |
| Chloride | 24 | 23 | 30 | 26 |
| Cobalt | <0.001 | <0.001 | 0.002 | <0.001 |
| Copper (dissolved) | 0.001 | 0.002 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.045 | 0.054 | 0.421 | 0.314 |
| Nickel (dissolved) | 0.001 | 0.001 | 0.008 | 0.005 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.011 | <0.005 |
| Iron (dissolved) | 0.35 | 0.4 | 0.7 | 0.47 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 19 May 2020

Report Received: 25 May 2020

Date Published: 04 June 2020

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-----------|---------------------------------|---|----------------------------------|---|
| pH | 7.02 | 7.32 | 7.37 | 7.32 |

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| Electrical conductivity | 278 | 244 | 270 | 287 |
| Suspended Solids | 6 | <5 | <5 | <5 |
| Sulphate | 24 | 17 | 30 | 38 |
| Chloride | 36 | 34 | 33 | 34 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.03 | 0.023 | 0.109 | 0.115 |
| Nickel (dissolved) | 0.001 | <0.001 | 0.004 | 0.002 |
| Zinc (dissolved) | <0.005 | <0.005 | <0.005 | <0.005 |
| Iron (dissolved) | 0.21 | 0.26 | 0.29 | 0.3 |

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 21 July 2020

Report Received: 29 July 2020

Date Published: 11 August 2020

| Parameter | Berrima (Licence Point 9) | Macarthur's Crossing (Licence Point 10) | Biloela (Licence Point 11) | Black Bobs Creek (Licence Point 12) |
|-------------------------|---------------------------------|---|----------------------------------|---|
| pH | 7.23 | 7.33 | 7.52 | 7.51 |
| Electrical conductivity | 183 | 221 | 290 | 292 |
| Suspended Solids | 12 | 10 | 7 | 6 |
| Sulphate | 7 | 10 | 28 | 27 |
| Chloride | 28 | 34 | 37 | 38 |
| Cobalt | <0.001 | <0.001 | <0.001 | <0.001 |
| Copper (dissolved) | 0.001 | <0.001 | <0.001 | <0.001 |
| Manganese (dissolved) | 0.012 | 0.009 | 0.036 | 0.037 |
| Nickel (dissolved) | <0.001 | <0.001 | 0.004 | 0.003 |
| Zinc (dissolved) | <0.005 | <0.005 | 0.009 | 0.013 |
| Iron (dissolved) | 0.39 | 0.39 | 0.21 | 0.22 |

Units measured in milligrams per litre unless otherwise specified.

2. Water Volume

The volume of water discharged from the mine is recorded at the V Notch Weir and summarised as follows:

Table 4 - V Notch Weir Discharge Volume Data

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 19-Dec-2016 | 6/02/17 | 2.22 |
| 20-Dec-2016 | | 2.29 |
| 21-Dec-2016 | | 2.07 |
| 22-Dec-2016 | | 1.91 |
| 23-Dec-2016 | | 1.98 |
| 24-Dec-2016 | | 2.05 |
| 25-Dec-2016 | | 1.92 |
| 26-Dec-2016 | | 1.9 |
| 27-Dec-2016 | | 1.86 |
| 28-Dec-2016 | | 1.85 |
| 29-Dec-2016 | | 1.84 |
| 30-Dec-2016 | | 1.81 |
| 31-Dec-2016 | | 1.8 |
| 1-Jan-2017 | | 1.79 |
| 2-Jan-2017 | | 1.92 |
| 3-Jan-2017 | | 1.89 |
| 4-Jan-2017 | | 1.98 |
| 5-Jan-2017 | | 2.11 |
| 6-Jan-2017 | | 2.12 |
| 7-Jan-2017 | | 2.1 |
| 8-Jan-2017 | | 2.11 |
| 9-Jan-2017 | | 1.93 |
| 10-Jan-2017 | | 1.88 |
| 11-Jan-2017 | 2.03 | |
| 12-Jan-2017 | 1.92 | |
| 13-Jan-2017 | 1.96 | |
| 14-Jan-2017 | 1.95 | |
| 15-Jan-2017 | 1.91 | |
| 16-Jan-2017 | 2.02 | |
| 17-Jan-2017 | 2.11 | |
| 18-Jan-2017 | 2.15 | |
| 19-Jan-2017 | 2.28 | |
| 20-Jan-2017 | 2.65 | |
| 21-Jan-2017 | 2.15 | |
| 22-Jan-2017 | 2.14 | |
| 23-Jan-2017 | 2.22 | |



| Data obtained on | Data published on | Volume discharged (ML/d) | |
|------------------|-------------------|--------------------------|------|
| 24-Jan-2017 | 6/2/17 | 2.31 | |
| 25-Jan-2017 | | 2.4 | |
| 26-Jan-2017 | | 2.62 | |
| 27-Jan-2017 | | 2.57 | |
| 28-Jan-2017 | | 2.55 | |
| 29-Jan-2017 | | 2.55 | |
| 30-Jan-2017 | 8/3/17 | 2.49 | |
| 31-Jan-2017 | | 2.43 | |
| 1-Feb-2017 | | 2.43 | |
| 2-Feb-2017 | | 2.5 | |
| 3-Feb-2017 | | 2.39 | |
| 4-Feb-2017 | | 2.36 | |
| 5-Feb-2017 | | 2.35 | |
| 6-Feb-2017 | | 2.39 | |
| 7-Feb-2017 | | 2.29 | |
| 8-Feb-2017 | | 2.33 | |
| 9-Feb-2017 | | 2.75 | |
| 10-Feb-2017 | | 2.5 | |
| 11-Feb-2017 | | 2.4 | |
| 12-Feb-2017 | | 2.52 | |
| 13-Feb-2017 | | 2.36 | |
| 14-Feb-2017 | | 2.26 | |
| 15-Feb-2017 | | 2.44 | |
| 16-Feb-2017 | | 2.48 | |
| 17-Feb-2017 | | 2.48 | |
| 18-Feb-2017 | | 2.52 | |
| 19-Feb-2017 | | 2.62 | |
| 20-Feb-2017 | | 2.43 | |
| 21-Feb-2017 | | 2.35 | |
| 22-Feb-2017 | | 2.52 | |
| 23-Feb-2017 | | 2.48 | |
| 24-Feb-2017 | | 2.55 | |
| 25-Feb-2017 | | 2.63 | |
| 26-Feb-2017 | | 2.64 | |
| 27-Feb-2017 | | 4/4/17 | 2.56 |
| 28-Feb-2017 | | | 2.63 |
| 1-Mar-2017 | 2.67 | | |
| 2-Mar-2017 | 2.74 | | |
| 3-Mar-2017 | 2.68 | | |
| 4-Mar-2017 | 2.73 | | |
| 5-Mar-2017 | 2.85 | | |
| 6-Mar-2017 | 2.71 | | |



| Data obtained on | Data published on | Volume discharged (ML/d) | |
|-------------------------|--------------------------|---------------------------------|------|
| 7-Mar-2017 | 4/4/17 | 2.74 | |
| 8-Mar-2017 | | 2.83 | |
| 9-Mar-2017 | | 2.86 | |
| 10-Mar-2017 | | 2.88 | |
| 11-Mar-2017 | | 2.79 | |
| 12-Mar-2017 | | 2.72 | |
| 13-Mar-2017 | | 2.52 | |
| 14-Mar-2017 | | 2.38 | |
| 15-Mar-2017 | | 2.57 | |
| 16-Mar-2017 | | 2.9 | |
| 17-Mar-2017 | | 2.73 | |
| 18-Mar-2017 | | 2.69 | |
| 19-Mar-2017 | | 2.88 | |
| 20-Mar-2017 | | 2.78 | |
| 21-Mar-2017 | | 2.74 | |
| 22-Mar-2017 | | 2.69 | |
| 23-Mar-2017 | | 2.63 | |
| 24-Mar-2017 | | 2.68 | |
| 25-Mar-2017 | | 2.87 | |
| 26-Mar-2017 | | 2.8 | |
| 27-Mar-2017 | | 5/6/17 | 2.74 |
| 28-Mar-2017 | | | 2.84 |
| 29-Mar-2017 | | | 2.43 |
| 30-Mar-2017 | | | 2.43 |
| 31-Mar-2017 | | | 2.26 |
| 1-Apr-2017 | | | 2.22 |
| 2-Apr-2017 | 2.06 | | |
| 3-Apr-2017 | 2.23 | | |
| 4-Apr-2017 | 2.4 | | |
| 5-Apr-2017 | 2.59 | | |
| 6-Apr-2017 | 2.6 | | |
| 7-Apr-2017 | 2.42 | | |
| 8-Apr-2017 | 2.6 | | |
| 9-Apr-2017 | 2.98 | | |
| 10-Apr-2017 | 2.91 | | |
| 11-Apr-2017 | 2.33 | | |
| 12-Apr-2017 | 2.22 | | |
| 13-Apr-2017 | 2.41 | | |
| 14-Apr-2017 | 2.65 | | |
| 15-Apr-2017 | 2.65 | | |
| 16-Apr-2017 | 2.67 | | |
| 17-Apr-2017 | 2.57 | | |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 18-Apr-2017 | 5/6/17 | 2.48 |
| 19-Apr-2017 | | 2.54 |
| 20-Apr-2017 | | 2.56 |
| 21-Apr-2017 | | 2.72 |
| 22-Apr-2017 | | 2.62 |
| 23-Apr-2017 | | 2.62 |
| 24-Apr-2017 | | 2.65 |
| 25-Apr-2017 | | 2.81 |
| 26-Apr-2017 | | 2.93 |
| 27-Apr-2017 | | 2.42 |
| 28-Apr-2017 | | 2.26 |
| 29-Apr-2017 | | 2.42 |
| 30-Apr-2017 | | 2.34 |
| 1-May-2017 | | 2.46 |
| 2-May-2017 | | 2.48 |
| 3-May-2017 | | 2.3 |
| 4-May-2017 | | 2.34 |
| 5-May-2017 | | 2.55 |
| 6-May-2017 | | 2.62 |
| 7-May-2017 | | 2.55 |
| 8-May-2017 | | 2.51 |
| 9-May-2017 | | 2.54 |
| 10-May-2017 | | 2.56 |
| 11-May-2017 | | 2.53 |
| 12-May-2017 | | 2.35 |
| 13-May-2017 | | 2.35 |
| 14-May-2017 | | 2.45 |
| 15-May-2017 | | 2.52 |
| 16-May-2017 | 2.42 | |
| 17-May-2017 | 2.34 | |
| 18-May-2017 | 2.19 | |
| 19-May-2017 | 2.22 | |
| 20-May-2017 | 2.45 | |
| 21-May-2017 | 2.44 | |
| 22-May-2017 | 2.56 | |
| 23-May-2017 | 2.47 | |
| 24-May-2017 | 2.52 | |
| 25-May-2017 | 2.41 | |
| 26-May-2017 | 2.45 | |
| 27-May-2017 | 2.49 | |
| 28-May-2017 | 2.72 | |
| 29-May-2017 | 8/8/17 | 2.36 |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 30-May-2017 | 8/8/17 | 2.41 |
| 31-May-2017 | | 2.4 |
| 1-Jun-2017 | | 2.49 |
| 2-Jun-2017 | | 2.66 |
| 3-Jun-2017 | | 2.84 |
| 4-Jun-2017 | | 2.69 |
| 5-Jun-2017 | | 2.71 |
| 6-Jun-2017 | | 2.64 |
| 7-Jun-2017 | | 2.4 |
| 8-Jun-2017 | | 2.16 |
| 9-Jun-2017 | | 2.23 |
| 10-Jun-2017 | | 2.28 |
| 11-Jun-2017 | | 2.47 |
| 12-Jun-2017 | | 2.5 |
| 13-Jun-2017 | | 2.3 |
| 14-Jun-2017 | | 2.39 |
| 15-Jun-2017 | | 2.52 |
| 16-Jun-2017 | | 2.5 |
| 17-Jun-2017 | | 2.36 |
| 18-Jun-2017 | | 2.27 |
| 19-Jun-2017 | | 2.34 |
| 20-Jun-2017 | | 2.46 |
| 21-Jun-2017 | | 2.49 |
| 22-Jun-2017 | | 2.39 |
| 23-Jun-2017 | | 2.57 |
| 24-Jun-2017 | | 2.44 |
| 25-Jun-2017 | | 2.29 |
| 26-Jun-2017 | | 2.11 |
| 27-Jun-2017 | | 2.24 |
| 28-Jun-2017 | | 2.38 |
| 29-Jun-2017 | | 2.44 |
| 30-Jun-2017 | | 2.32 |
| 1-Jul-2017 | | 11/9/17 |
| 2-Jul-2017 | 2.57 | |
| 3-Jul-2017 | 2.71 | |
| 4-Jul-2017 | 2.94 | |
| 5-Jul-2017 | 2.37 | |
| 6-Jul-2017 | 2.15 | |
| 7-Jul-2017 | 2.47 | |
| 8-Jul-2017 | 2.31 | |
| 9-Jul-2017 | 2.14 | |
| 10-Jul-2017 | 2.07 | |

| Data obtained on | Data published on | Volume discharged (ML/d) | |
|------------------|-------------------|--------------------------|------|
| 11-Jul-2017 | 11/9/17 | 2.04 | |
| 12-Jul-2017 | | 2.05 | |
| 13-Jul-2017 | | 2.68 | |
| 14-Jul-2017 | | 2.79 | |
| 15-Jul-2017 | | 2.44 | |
| 16-Jul-2017 | | 2.43 | |
| 17-Jul-2017 | | 2.51 | |
| 18-Jul-2017 | | 2.71 | |
| 19-Jul-2017 | | 2.58 | |
| 20-Jul-2017 | | 2.55 | |
| 21-Jul-2017 | | 2.24 | |
| 22-Jul-2017 | | 2.36 | |
| 23-Jul-2017 | | 2.56 | |
| 24-Jul-2017 | | 2.36 | |
| 25-Jul-2017 | | 2.22 | |
| 26-Jul-2017 | | 2.22 | |
| 27-Jul-2017 | | 2.28 | |
| 28-Jul-2017 | | 2.43 | |
| 29-Jul-2017 | | 2.29 | |
| 30-Jul-2017 | | 2.18 | |
| 31-Jul-2017 | | 2.04 | |
| 1-Aug-2017 | | 1.83 | |
| 2-Aug-2017 | | 1.98 | |
| 3-Aug-2017 | | 13/10/17 | 2.38 |
| 4-Aug-2017 | | | 2.53 |
| 5-Aug-2017 | | | 2.09 |
| 6-Aug-2017 | | | 1.94 |
| 7-Aug-2017 | | | 1.92 |
| 8-Aug-2017 | | | 1.75 |
| 9-Aug-2017 | 1.7 | | |
| 10-Aug-2017 | 1.95 | | |
| 11-Aug-2017 | 1.9 | | |
| 12-Aug-2017 | 1.78 | | |
| 13-Aug-2017 | 1.89 | | |
| 14-Aug-2017 | 2.01 | | |
| 15-Aug-2017 | 2.03 | | |
| 16-Aug-2017 | 2.1 | | |
| 17-Aug-2017 | 1.82 | | |
| 18-Aug-2017 | 1.87 | | |
| 19-Aug-2017 | 1.84 | | |
| 20-Aug-2017 | 1.98 | | |
| 21-Aug-2017 | 2.15 | | |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 22-Aug-2017 | 13/10/17 | 2.11 |
| 23-Aug-2017 | | 2.09 |
| 24-Aug-2017 | | 2.16 |
| 25-Aug-2017 | | 2.06 |
| 26-Aug-2017 | | 2.15 |
| 27-Aug-2017 | | 2.48 |
| 28-Aug-2017 | | 2.3 |
| 29-Aug-2017 | | 2.12 |
| 30-Aug-2017 | | 2.12 |
| 31-Aug-2017 | | 2.11 |
| 1-Sep-2017 | | 2.28 |
| 2-Sep-2017 | | 2.25 |
| 3-Sep-2017 | | 2.34 |
| 4-Sep-2017 | | 2.37 |
| 5-Sep-2017 | | 2.29 |
| 6-Sep-2017 | | 2.18 |
| 7-Sep-2017 | | 2.12 |
| 8-Sep-2017 | | 2.3 |
| 9-Sep-2017 | | 2.3 |
| 10-Sep-2017 | | 2.37 |
| 11-Sep-2017 | 13/11/17 | 1.99 |
| 12-Sep-2017 | | 1.64 |
| 13-Sep-2017 | | 1.7 |
| 14-Sep-2017 | | 1.65 |
| 15-Sep-2017 | | 1.61 |
| 16-Sep-2017 | | 1.82 |
| 17-Sep-2017 | | 1.81 |
| 18-Sep-2017 | | 1.88 |
| 19-Sep-2017 | | 2.09 |
| 20-Sep-2017 | | 1.98 |
| 21-Sep-2017 | | 1.96 |
| 22-Sep-2017 | | 1.88 |
| 23-Sep-2017 | | 1.77 |
| 24-Sep-2017 | | 1.77 |
| 25-Sep-2017 | | 1.69 |
| 26-Sep-2017 | | 1.63 |
| 27-Sep-2017 | | 1.66 |
| 28-Sep-2017 | | 2.01 |
| 29-Sep-2017 | 1.83 | |
| 30-Sep-2017 | 2.03 | |
| 1-Oct-2017 | 1.92 | |
| 2-Oct-2017 | 2.08 | |



| Data obtained on | Data published on | Volume discharged (ML/d) | |
|------------------|-------------------|--------------------------|------|
| 3-Oct-2017 | 13/11/17 | 2.09 | |
| 4-Oct-2017 | | 2.23 | |
| 5-Oct-2017 | | 2.07 | |
| 6-Oct-2017 | | 2.21 | |
| 7-Oct-2017 | | 2.08 | |
| 8-Oct-2017 | | 2.23 | |
| 9-Oct-2017 | | 2.21 | |
| 10-Oct-2017 | | 2.08 | |
| 11-Oct-2017 | | 2.08 | |
| 12-Oct-2017 | | 2.28 | |
| 13-Oct-2017 | | 2.17 | |
| 14-Oct-2017 | | 2.31 | |
| 15-Oct-2017 | | 2.34 | |
| 16-Oct-2017 | | 2.38 | |
| 17-Oct-2017 | | 2.52 | |
| 18-Oct-2017 | | 2.57 | |
| 19-Oct-2017 | | 2.51 | |
| 20-Oct-2017 | | 2.73 | |
| 21-Oct-2017 | | 2.7 | |
| 22-Oct-2017 | | 2.82 | |
| 23-Oct-2017 | | 6/12/17 | 2.7 |
| 24-Oct-2017 | | | 2.68 |
| 25-Oct-2017 | 2.73 | | |
| 26-Oct-2017 | 2.54 | | |
| 27-Oct-2017 | 2.47 | | |
| 28-Oct-2017 | 3.19 | | |
| 29-Oct-2017 | 2.54 | | |
| 30-Oct-2017 | 2.02 | | |
| 31-Oct-2017 | 2.12 | | |
| 1-Nov-2017 | 2.16 | | |
| 2-Nov-2017 | 2.26 | | |
| 3-Nov-2017 | 2.3 | | |
| 4-Nov-2017 | 2.29 | | |
| 5-Nov-2017 | 2.36 | | |
| 6-Nov-2017 | 2.41 | | |
| 7-Nov-2017 | 2.41 | | |
| 8-Nov-2017 | 2.2 | | |
| 9-Nov-2017 | 2.06 | | |
| 10-Nov-2017 | 1.93 | | |
| 11-Nov-2017 | 1.98 | | |
| 12-Nov-2017 | 2.35 | | |
| 13-Nov-2017 | 2.73 | | |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 14-Nov-2017 | 6/12/17 | 2.93 |
| 15-Nov-2017 | | 2.63 |
| 16-Nov-2017 | | 2.42 |
| 17-Nov-2017 | | 2.39 |
| 18-Nov-2017 | | 2.7 |
| 19-Nov-2017 | | 2.68 |
| 20-Nov-2017 | | 2.73 |
| 21-Nov-2017 | | 2.54 |
| 22-Nov-2017 | | 2.47 |
| 23-Nov-2017 | | 3.19 |
| 24-Nov-2017 | | 2.54 |
| 25-Nov-2017 | | 2.02 |
| 26-Nov-2017 | | 2.12 |
| 27-Nov-2017 | | 9/1/18 |
| 28-Nov-2017 | 3.03 | |
| 29-Nov-2017 | 2.84 | |
| 30-Nov-2017 | 3.11 | |
| 1-Dec-2017 | 2.86 | |
| 2-Dec-2017 | 2.98 | |
| 3-Dec-2017 | 2.81 | |
| 4-Dec-2017 | 2.67 | |
| 5-Dec-2017 | 2.9 | |
| 6-Dec-2017 | 2.85 | |
| 7-Dec-2017 | 2.55 | |
| 8-Dec-2017 | 2.7 | |
| 9-Dec-2017 | 2.59 | |
| 10-Dec-2017 | 2.66 | |
| 11-Dec-2017 | 2.78 | |
| 12-Dec-2017 | 2.78 | |
| 13-Dec-2017 | 2.74 | |
| 14-Dec-2017 | 2.7 | |
| 15-Dec-2017 | 2.49 | |
| 16-Dec-2017 | 2.54 | |
| 17-Dec-2017 | 2.65 | |
| 18-Dec-2017 | 2.76 | |
| 19-Dec-2017 | 2.61 | |
| 20-Dec-2017 | 13/2/18 | 2.18 |
| 21-Dec-2017 | | 1.97 |
| 22-Dec-2017 | | 2.17 |
| 23-Dec-2017 | | 2.31 |
| 24-Dec-2017 | | 2.33 |
| 25-Dec-2017 | | 2.3 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 26-Dec-2017 | 13/2/18 | 2.41 |
| 27-Dec-2017 | | 2.53 |
| 28-Dec-2017 | | 2.36 |
| 29-Dec-2017 | | 2.34 |
| 30-Dec-2017 | | 2.42 |
| 31-Dec-2017 | | 2.22 |
| 1-Jan-2018 | | 2.27 |
| 2-Jan-2018 | | 2.18 |
| 3-Jan-2018 | | 2.13 |
| 4-Jan-2018 | | 2.13 |
| 5-Jan-2018 | | 2.04 |
| 6-Jan-2018 | | 2.12 |
| 7-Jan-2018 | | 2.1 |
| 8-Jan-2018 | | 2 |
| 9-Jan-2018 | | 2.08 |
| 10-Jan-2018 | | 2.22 |
| 11-Jan-2018 | | 2.18 |
| 12-Jan-2018 | | 2.26 |
| 13-Jan-2018 | | 2.34 |
| 14-Jan-2018 | | 2.44 |
| 15-Jan-2018 | | 2.32 |
| 16-Jan-2018 | | 2.24 |
| 17-Jan-2018 | | 2.29 |
| 18-Jan-2018 | | 2.31 |
| 19-Jan-2018 | | 2.18 |
| 20-Jan-2018 | | 2.16 |
| 21-Jan-2018 | | 2.16 |
| 22-Jan-2018 | | 1.85 |
| 23-Jan-2018 | | 1.53 |
| 24-Jan-2018 | | 1.71 |
| 25-Jan-2018 | | 1.87 |
| 26-Jan-2018 | 1.77 | |
| 27-Jan-2018 | 1.85 | |
| 28-Jan-2018 | 1.94 | |
| 29-Jan-2018 | 2.12 | |
| 30-Jan-2018 | 2.19 | |
| 31-Jan-2018 | 13/3/18 | 3.92 |
| 1-Feb-2018 | | 4.98 |
| 2-Feb-2018 | | 5.05 |
| 3-Feb-2018 | | 5.18 |
| 4-Feb-2018 | | 5.21 |
| 5-Feb-2018 | 4.95 | |

| Data obtained on | Data published on | Volume discharged (ML/d) | |
|------------------|-------------------|--------------------------|------|
| 6-Feb-2018 | 13/3/18 | 3.89 | |
| 7-Feb-2018 | | 2.58 | |
| 8-Feb-2018 | | 2 | |
| 9-Feb-2018 | | 1.67 | |
| 10-Feb-2018 | | 1.83 | |
| 11-Feb-2018 | | 2.1 | |
| 12-Feb-2018 | | 2.36 | |
| 13-Feb-2018 | | 2.55 | |
| 14-Feb-2018 | | 2.59 | |
| 15-Feb-2018 | | 2.67 | |
| 16-Feb-2018 | | 2.77 | |
| 17-Feb-2018 | | 2.76 | |
| 18-Feb-2018 | | 2.74 | |
| 19-Feb-2018 | | 2.74 | |
| 20-Feb-2018 | | 2.76 | |
| 21-Feb-2018 | | 2.79 | |
| 22-Feb-2018 | | 2.91 | |
| 23-Feb-2018 | | 2.79 | |
| 24-Feb-2018 | | 2.7 | |
| 25-Feb-2018 | | 2.7 | |
| 26-Feb-2018 | | 2.48 | |
| 27-Feb-2018 | | 2.03 | |
| 28-Feb-2018 | | 1.94 | |
| 1-Mar-2018 | | 14/4/18 | 2.08 |
| 2-Mar-2018 | | | 2.15 |
| 3-Mar-2018 | | | 2.19 |
| 4-Mar-2018 | | | 2.11 |
| 5-Mar-2018 | | | 1.97 |
| 6-Mar-2018 | 2.1 | | |
| 7-Mar-2018 | 2.11 | | |
| 8-Mar-2018 | 2.36 | | |
| 9-Mar-2018 | 2.29 | | |
| 10-Mar-2018 | 2.33 | | |
| 11-Mar-2018 | 2.3 | | |
| 12-Mar-2018 | 2.32 | | |
| 13-Mar-2018 | 2.16 | | |
| 14-Mar-2018 | 2.13 | | |
| 15-Mar-2018 | 2.07 | | |
| 16-Mar-2018 | 2.11 | | |
| 17-Mar-2018 | 2.04 | | |
| 18-Mar-2018 | 1.97 | | |
| 19-Mar-2018 | 2.17 | | |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 20-Mar-2018 | 14/4/18 | 2.26 |
| 21-Mar-2018 | | 2.35 |
| 22-Mar-2018 | | 2.47 |
| 23-Mar-2018 | | 2.45 |
| 24-Mar-2018 | | 2.41 |
| 25-Mar-2018 | | 2.45 |
| 26-Mar-2018 | | 2.31 |
| 27-Mar-2018 | | 2.34 |
| 28-Mar-2018 | | 2.25 |
| 29-Mar-2018 | | 11/5/18 |
| 30-Mar-2018 | 3.38 | |
| 31-Mar-2018 | 3.03 | |
| 1-Apr-2018 | 2.67 | |
| 2-Apr-2018 | 2.48 | |
| 3-Apr-2018 | 2.26 | |
| 4-Apr-2018 | 2.08 | |
| 5-Apr-2018 | 1.9 | |
| 6-Apr-2018 | 1.64 | |
| 7-Apr-2018 | 1.33 | |
| 8-Apr-2018 | 1.12 | |
| 9-Apr-2018 | 1.02 | |
| 10-Apr-2018 | 0.75 | |
| 11-Apr-2018 | 0.36 | |
| 12-Apr-2018 | 0.43 | |
| 13-Apr-2018 | 0.39 | |
| 14-Apr-2018 | 1.01 | |
| 15-Apr-2018 | 0.98 | |
| 16-Apr-2018 | 0.6 | |
| 17-Apr-2018 | 0.53 | |
| 18-Apr-2018 | 0.68 | |
| 19-Apr-2018 | 0.85 | |
| 20-Apr-2018 | 1.49 | |
| 21-Apr-2018 | 1.66 | |
| 22-Apr-2018 | 1.69 | |
| 23-Apr-2018 | 1.64 | |
| 24-Apr-2018 | 1.68 | |
| 25-Apr-2018 | 1.78 | |
| 26-Apr-2018 | 1.75 | |
| 27-Apr-2018 | 1.74 | |
| 28-Apr-2018 | 1.85 | |
| 29-Apr-2018 | 1.95 | |
| 30-Apr-2018 | 1.94 | |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 1-May-2018 | 12/6/18 | 2.01 |
| 2-May-2018 | | 2.06 |
| 3-May-2018 | | 2.35 |
| 4-May-2018 | | 2.79 |
| 5-May-2018 | | 2.01 |
| 6-May-2018 | | 2.05 |
| 7-May-2018 | | 2.72 |
| 8-May-2018 | | 2.81 |
| 9-May-2018 | | 3.16 |
| 10-May-2018 | | 4.56 |
| 11-May-2018 | | 4.94 |
| 12-May-2018 | | 4.36 |
| 13-May-2018 | | 3.23 |
| 14-May-2018 | | 3.12 |
| 15-May-2018 | | 3.52 |
| 16-May-2018 | | 3.36 |
| 17-May-2018 | | 3.67 |
| 18-May-2018 | | 3.95 |
| 19-May-2018 | | 4.21 |
| 20-May-2018 | | 4.75 |
| 21-May-2018 | | 4.86 |
| 22-May-2018 | | 4.57 |
| 23-May-2018 | | 4.26 |
| 24-May-2018 | | 3.42 |
| 25-May-2018 | | 2.6 |
| 26-May-2018 | | 2.11 |
| 27-May-2018 | | 2.11 |
| 28-May-2018 | | 2.39 |
| 29-May-2018 | | 2.56 |
| 30-May-2018 | | 2.3 |
| 31-May-2018 | 10/7/18 | 2.31 |
| 1-Jun-2018 | | 2.27 |
| 2-Jun-2018 | | 2.25 |
| 3-Jun-2018 | | 1.92 |
| 4-Jun-2018 | | 1.82 |
| 5-Jun-2018 | | 2.24 |
| 6-Jun-2018 | | 2.26 |
| 7-Jun-2018 | | 2.24 |
| 8-Jun-2018 | | 2.22 |
| 9-Jun-2018 | | 2.2 |
| 10-Jun-2018 | | 2.08 |
| 11-Jun-2018 | 2.09 | |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 12-Jun-2018 | 10/7/18 | 2.16 |
| 13-Jun-2018 | | 1.82 |
| 14-Jun-2018 | | 1.72 |
| 15-Jun-2018 | | 1.88 |
| 16-Jun-2018 | | 2.07 |
| 17-Jun-2018 | | 2.08 |
| 18-Jun-2018 | | 1.95 |
| 19-Jun-2018 | | 1.77 |
| 20-Jun-2018 | | 1.49 |
| 21-Jun-2018 | | 1.82 |
| 22-Jun-2018 | | 2.06 |
| 23-Jun-2018 | | 2.33 |
| 24-Jun-2018 | | 2.28 |
| 25-Jun-2018 | | 2.2 |
| 26-Jun-2018 | | 2.29 |
| 27-Jun-2018 | | 2.17 |
| 28-Jun-2018 | | 3/8/18 |
| 29-Jun-2018 | 2.03 | |
| 30-Jun-2018 | 1.83 | |
| 1-Jul-2018 | 1.74 | |
| 2-Jul-2018 | 1.77 | |
| 3-Jul-2018 | 1.69 | |
| 4-Jul-2018 | 1.55 | |
| 5-Jul-2018 | 1.51 | |
| 6-Jul-2018 | 1.57 | |
| 7-Jul-2018 | 1.66 | |
| 8-Jul-2018 | 1.57 | |
| 9-Jul-2018 | 1.7 | |
| 10-Jul-2018 | 1.48 | |
| 11-Jul-2018 | 1.07 | |
| 12-Jul-2018 | 1.21 | |
| 13-Jul-2018 | 1.7 | |
| 14-Jul-2018 | 1.99 | |
| 15-Jul-2018 | 1.97 | |
| 16-Jul-2018 | 1.81 | |
| 17-Jul-2018 | 1.63 | |
| 18-Jul-2018 | 1.8 | |
| 19-Jul-2018 | 1.87 | |
| 20-Jul-2018 | 2 | |
| 21-Jul-2018 | 1.82 | |
| 23-Jul-2018 | 1.92 | |
| 24-Jul-2018 | 2.17 | |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 25-Jul-2018 | 3/8/18 | 2.27 |
| 26-Jul-2018 | 7/9/18 | 2.77 |
| 27-Jul-2018 | | 3.46 |
| 28-Jul-2018 | | 3.3 |
| 29-Jul-2018 | | 3.6 |
| 30-Jul-2018 | | 3.13 |
| 31-Jul-2018 | | 3.29 |
| 1-Aug-2018 | | 3.15 |
| 2-Aug-2018 | | 2.74 |
| 3-Aug-2018 | | 3.32 |
| 4-Aug-2018 | | 3.39 |
| 5-Aug-2018 | | 3.57 |
| 6-Aug-2018 | | 4.44 |
| 7-Aug-2018 | | 4.11 |
| 8-Aug-2018 | | 5 |
| 9-Aug-2018 | | 4.94 |
| 10-Aug-2018 | | 6.3 |
| 11-Aug-2018 | | 6.79 |
| 12-Aug-2018 | | 6.01 |
| 13-Aug-2018 | | 4.25 |
| 14-Aug-2018 | | 3.38 |
| 15-Aug-2018 | | 4.73 |
| 16-Aug-2018 | | 3.81 |
| 17-Aug-2018 | | 2.35 |
| 18-Aug-2018 | | 2.61 |
| 19-Aug-2018 | | 2.63 |
| 20-Aug-2018 | | 2.48 |
| 21-Aug-2018 | 2.98 | |
| 22-Aug-2018 | 3.79 | |
| 23-Aug-2018 | 5.26 | |
| 24-Aug-2018 | 5.29 | |
| 25-Aug-2018 | 3.41 | |
| 26-Aug-2018 | 1.53 | |
| 27-Aug-2018 | 1.74 | |
| 28-Aug-2018 | 4/10/18 | 4.88 |
| 29-Aug-2018 | | 5.39 |
| 30-Aug-2018 | | 5.16 |
| 31-Aug-2018 | | 4.89 |
| 1-Sept-2018 | | 4.83 |
| 2-Sept-2018 | | 5.14 |
| 3-Sept-2018 | | 4.33 |
| 4-Sept-2018 | | 2.31 |



| Data obtained on | Data published on | Volume discharged (ML/d) | |
|------------------|-------------------|--------------------------|------|
| 5-Sept-2018 | 4/10/18 | 1.64 | |
| 6-Sept-2018 | | 4.45 | |
| 7-Sept-2018 | | 4.66 | |
| 8-Sept-2018 | | 4.86 | |
| 9-Sept-2018 | | 4.8 | |
| 10-Sept-2018 | | 4.68 | |
| 11-Sept-2018 | | 4.16 | |
| 12-Sept-2018 | | 4.38 | |
| 13-Sept-2018 | | 4.78 | |
| 14-Sept-2018 | | 4.53 | |
| 15-Sept-2018 | | 4.5 | |
| 16-Sept-2018 | | 4.9 | |
| 17-Sept-2018 | | 4.68 | |
| 18-Sept-2018 | | 3.16 | |
| 19-Sept-2018 | | 4.27 | |
| 20-Sept-2018 | | 4.53 | |
| 21-Sept-2018 | | 4.62 | |
| 22-Sept-2018 | | 4.54 | |
| 23-Sept-2018 | | 4.7 | |
| 24-Sept-2018 | | 3.25 | |
| 25-Sep-2018 | | 9/11/18 | 4.13 |
| 26-Sep-2018 | | | 4.44 |
| 27-Sep-2018 | | | 4.06 |
| 28-Sep-2018 | | | 3.88 |
| 29-Sep-2018 | 4.15 | | |
| 30-Sep-2018 | 4.2 | | |
| 1-Oct-2018 | 4.11 | | |
| 2-Oct-2018 | 4.05 | | |
| 3-Oct-2018 | 3.51 | | |
| 4-Oct-2018 | 4.04 | | |
| 5-Oct-2018 | 4.27 | | |
| 6-Oct-2018 | 4.36 | | |
| 7-Oct-2018 | 4.42 | | |
| 8-Oct-2018 | 4.1 | | |
| 9-Oct-2018 | 3.17 | | |
| 10-Oct-2018 | 2.25 | | |
| 11-Oct-2018 | 2.28 | | |
| 12-Oct-2018 | 2.29 | | |
| 13-Oct-2018 | 2.22 | | |
| 14-Oct-2018 | 2.19 | | |
| 15-Oct-2018 | 1.94 | | |
| 16-Oct-2018 | 0.58 | | |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 17-Oct-2018 | 9/11/18 | 0.29 |
| 18-Oct-2018 | | 0.19 |
| 19-Oct-2018 | | 0.12 |
| 20-Oct-2018 | | 0.08 |
| 21-Oct-2018 | | 0.07 |
| 22-Oct-2018 | | 0.08 |
| 23-Oct-2018 | | 0.13 |
| 24-Oct-2018 | | 0.11 |
| 25-Oct-2018 | | 0.05 |
| 26-Oct-2018 | | 0.06 |
| 27-Oct-2018 | | 0.05 |
| 28-Oct-2018 | | 0.06 |
| 29-Oct-2018 | | 0.06 |
| 30-Oct-2018 | | 13/12/2018 |
| 31-Oct-2018 | 0.35 | |
| 1-Nov-2018 | 1.41 | |
| 2-Nov-2018 | 3.64 | |
| 3-Nov-2018 | 4.71 | |
| 4-Nov-2018 | 4.24 | |
| 5-Nov-2018 | 3.12 | |
| 6-Nov-2018 | 2.29 | |
| 7-Nov-2018 | 1.69 | |
| 8-Nov-2018 | 0.36 | |
| 9-Nov-2018 | 1.2 | |
| 10-Nov-2018 | 1.38 | |
| 11-Nov-2018 | 1.23 | |
| 12-Nov-2018 | 0.37 | |
| 13-Nov-2018 | 0.08 | |
| 14-Nov-2018 | 0.34 | |
| 15-Nov-2018 | 0.42 | |
| 16-Nov-2018 | 0.59 | |
| 17-Nov-2018 | 0.63 | |
| 18-Nov-2018 | 0.51 | |
| 19-Nov-2018 | 0.61 | |
| 20-Nov-2018 | 1.91 | |
| 21-Nov-2018 | 3.25 | |
| 22-Nov-2018 | 3.95 | |
| 23-Nov-2018 | 4.45 | |
| 24-Nov-2018 | 3.89 | |
| 25-Nov-2018 | 2.9 | |
| 26-Nov-2018 | 2.59 | |
| 27-Nov-2018 | 11/02/2019 | 3.04 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 28-Nov-2018 | 11/02/2019 | 1.39 |
| 29-Nov-2018 | | 3.18 |
| 30-Nov-2018 | | 2.84 |
| 1-Dec-2018 | | 2.03 |
| 2-Dec-2018 | | 2 |
| 3-Dec-2018 | | 2.19 |
| 4-Dec-2018 | | 2.27 |
| 5-Dec-2018 | | 2.43 |
| 6-Dec-2018 | | 2.61 |
| 7-Dec-2018 | | 2.59 |
| 8-Dec-2018 | | 2.47 |
| 9-Dec-2018 | | 2.58 |
| 10-Dec-2018 | | 2.67 |
| 11-Dec-2018 | | 2.74 |
| 12-Dec-2018 | | 1.15 |
| 13-Dec-2018 | | 0.54 |
| 14-Dec-2018 | | 0.39 |
| 15-Dec-2018 | | 0.3 |
| 16-Dec-2018 | | 0.22 |
| 17-Dec-2018 | | 0.21 |
| 18-Dec-2018 | | 0.07 |
| 19-Dec-2018 | | 0 |
| 20-Dec-2018 | | 0 |
| 21-Dec-2018 | | 0 |
| 22-Dec-2018 | | 0 |
| 23-Dec-2018 | | 0 |
| 24-Dec-2018 | | 0 |
| 25-Dec-2018 | | 0 |
| 26-Dec-2018 | | 0 |
| 27-Dec-2018 | | 8.48 |
| 28-Dec-2018 | | 8.51 |
| 29-Dec-2018 | | 7.29 |
| 30-Dec-2018 | 7.67 | |
| 31-Dec-2018 | 5.65 | |
| 1-Jan-2019 | 6.47 | |
| 2-Jan-2019 | 3.38 | |
| 3-Jan-2019 | 0.21 | |
| 4-Jan-2019 | 5.42 | |
| 5-Jan-2019 | 5.28 | |
| 6-Jan-2019 | 0.01 | |
| 7-Jan-2019 | 0 | |
| 8-Jan-2019 | 0 | |

| Data obtained on | Data published on | Volume discharged (ML/d) | |
|------------------|-------------------|--------------------------|------|
| 9-Jan-2019 | 11/02/2019 | 0 | |
| 10-Jan-2019 | | 0 | |
| 11-Jan-2019 | | 0 | |
| 12-Jan-2019 | | 0.88 | |
| 13-Jan-2019 | | 0.03 | |
| 14-Jan-2019 | | 0.04 | |
| 15-Jan-2019 | | 6.09 | |
| 16-Jan-2019 | | 2.63 | |
| 17-Jan-2019 | | 6.32 | |
| 18-Jan-2019 | | 6.21 | |
| 19-Jan-2019 | | 6.07 | |
| 20-Jan-2019 | | 5.85 | |
| 21-Jan-2019 | | 5.5 | |
| 22-Jan-2019 | | 5.01 | |
| 23-Jan-2019 | | 4.81 | |
| 24-Jan-2019 | | 4.52 | |
| 25-Jan-2019 | | 3.93 | |
| 26-Jan-2019 | | 3.66 | |
| 27-Jan-2019 | | 3.41 | |
| 28-Jan-2019 | | 3.17 | |
| 29-Jan-2019 | | 2.69 | |
| 30-Jan-2019 | | 2.48 | |
| 31-Jan-2019 | | 11/03/2019 | 2.42 |
| 1-Feb-2019 | | | 1.81 |
| 2-Feb-2019 | | | 1.79 |
| 3-Feb-2019 | | | 1.91 |
| 4-Feb-2019 | | | 2.03 |
| 5-Feb-2019 | | | 1.69 |
| 6-Feb-2019 | | | 0.57 |
| 7-Feb-2019 | | | 0.38 |
| 8-Feb-2019 | 1.37 | | |
| 9-Feb-2019 | 2.6 | | |
| 10-Feb-2019 | 1 | | |
| 11-Feb-2019 | 1.14 | | |
| 12-Feb-2019 | 3.16 | | |
| 13-Feb-2019 | 3.51 | | |
| 14-Feb-2019 | 1.42 | | |
| 15-Feb-2019 | 1.03 | | |
| 16-Feb-2019 | 1.79 | | |
| 17-Feb-2019 | 2.23 | | |
| 18-Feb-2019 | 2.46 | | |
| 19-Feb-2019 | 2.59 | | |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 20-Feb-2019 | 11/03/2019 | 2.45 |
| 21-Feb-2019 | | 2.1 |
| 22-Feb-2019 | | 1.9 |
| 23-Feb-2019 | | 1.8 |
| 24-Feb-2019 | | 1.49 |
| 25-Feb-2019 | | 1.63 |
| 26-Feb-2019 | 12/04/2019 | 1.84 |
| 27-Feb-2019 | | 1.89 |
| 28-Feb-2019 | | 1.7 |
| 1-Mar-2019 | | 1.68 |
| 2-Mar-2019 | | 1.62 |
| 3-Mar-2019 | | 1.65 |
| 4-Mar-2019 | | 1.37 |
| 5-Mar-2019 | | 1.29 |
| 6-Mar-2019 | | 2.14 |
| 7-Mar-2019 | | 1.79 |
| 8-Mar-2019 | | 1.59 |
| 9-Mar-2019 | | 1.62 |
| 10-Mar-2019 | | 1.56 |
| 11-Mar-2019 | | 1.58 |
| 12-Mar-2019 | | 1.65 |
| 13-Mar-2019 | | 1.61 |
| 14-Mar-2019 | | 1.66 |
| 15-Mar-2019 | | 1.64 |
| 16-Mar-2019 | | 1.76 |
| 17-Mar-2019 | | 1.66 |
| 18-Mar-2019 | | 1.62 |
| 19-Mar-2019 | | 1.69 |
| 20-Mar-2019 | | 1.64 |
| 21-Mar-2019 | | 1.61 |
| 22-Mar-2019 | 1.68 | |
| 23-Mar-2019 | 1.63 | |
| 24-Mar-2019 | 1.58 | |
| 25-Mar-2019 | 1.57 | |
| 26-Mar-2019 | 08/08/2019 | 1.79 |
| 27-Mar-2019 | | 1.59 |
| 28-Mar-2019 | | 1.62 |
| 29-Mar-2019 | | 1.56 |
| 30-Mar-2019 | | 1.58 |
| 31-Mar-2019 | | 1.65 |
| 1-Apr-2019 | | 1.61 |
| 2-Apr-2019 | | 1.66 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 3-Apr-2019 | | 1.64 |
| 4-Apr-2019 | | 1.76 |
| 5-Apr-2019 | | 1.66 |
| 6-Apr-2019 | | 1.62 |
| 7-Apr-2019 | | 1.69 |
| 8-Apr-2019 | | 1.64 |
| 9-Apr-2019 | | 1.61 |
| 10-Apr-2019 | | 1.68 |
| 11-Apr-2019 | | 1.63 |
| 12-Apr-2019 | | 1.58 |
| 13-Apr-2019 | | 1.57 |
| 14-Apr-2019 | | 1.79 |
| 15-Apr-2019 | | 1.59 |
| 16-Apr-2019 | | 1.62 |
| 17-Apr-2019 | | 1.56 |
| 18-Apr-2019 | | 1.58 |
| 19-Apr-2019 | | 0.044 |
| 20-Apr-2019 | | 0.044 |
| 21-Apr-2019 | | 0.044 |
| 22-Apr-2019 | | 0.044 |
| 23-Apr-2019 | | 0.044 |
| 24-Apr-2019 | | 0.044 |
| 25-Apr-2019 | | 0.044 |
| 26-Apr-2019 | | 0.044 |
| 27-Apr-2019 | | 0.044 |
| 28-Apr-2019 | | 0.044 |
| 29-Apr-2019 | | 0.044 |
| 30-Apr-2019 | | 0.044 |
| 1-May-2019 | | 0.044 |
| 2-May-2019 | | 0.044 |
| 3-May-2019 | | 0.044 |
| 4-May-2019 | | 0.044 |
| 5-May-2019 | | 0.044 |
| 6-May-2019 | | 0.044 |
| 7-May-2019 | | 0.044 |
| 8-May-2019 | | 0.044 |
| 9-May-2019 | | 0.044 |
| 10-May-2019 | | 0.044 |
| 11-May-2019 | | 0.04 |
| 12-May-2019 | | 0.04 |
| 13-May-2019 | | 0.04 |
| 14-May-2019 | | 0.04 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 15-May-2019 | | 0.04 |
| 16-May-2019 | | 0.04 |
| 17-May-2019 | | 0.04 |
| 18-May-2019 | | 0.04 |
| 19-May-2019 | | 0.04 |
| 20-May-2019 | | 0.04 |
| 21-May-2019 | | 0.04 |
| 22-May-2019 | | 0.04 |
| 23-May-2019 | | 0.03 |
| 24-May-2019 | | 0.03 |
| 25-May-2019 | | 0.03 |
| 26-May-2019 | | 0.03 |
| 27-May-2019 | | 0.03 |
| 28-May-2019 | | 0.03 |
| 29-May-2019 | | 0.03 |
| 30-May-2019 | | 0.03 |
| 31-May-2019 | | 0.03 |
| 1-Jun-2019 | | 0.03 |
| 2-Jun-2019 | | 0.03 |
| 3-Jun-2019 | | 0.03 |
| 4-Jun-2019 | | 0.03 |
| 5-Jun-2019 | | 0.03 |
| 6-Jun-2019 | | 0.03 |
| 7-Jun-2019 | | 0.03 |
| 8-Jun-2019 | | 0.03 |
| 9-Jun-2019 | | 0.03 |
| 10-Jun-2019 | | 0.03 |
| 11-Jun-2019 | | 0.03 |
| 12-Jun-2019 | | 0.03 |
| 13-Jun-2019 | | 0.03 |
| 14-Jun-2019 | | 0.03 |
| 15-Jun-2019 | | 0.03 |
| 16-Jun-2019 | | 0.03 |
| 17-Jun-2019 | | 0.03 |
| 18-Jun-2019 | | 0.03 |
| 19-Jun-2019 | | 0.03 |
| 20-Jun-2019 | | 0.03 |
| 21-Jun-2019 | | 0.03 |
| 22-Jun-2019 | | 0.03 |
| 23-Jun-2019 | | 0.03 |
| 24-Jun-2019 | | 0.03 |
| 25-Jun-2019 | | 0.03 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 26-Jun-2019 | | 0.03 |
| 27-Jun-2019 | | 0.03 |
| 28-Jun-2019 | | 0.03 |
| 29-Jun-2019 | | 0.03 |
| 30-Jun-2019 | | 0.03 |
| 1-Jul-2019 | | 0.03 |
| 2-Jul-2019 | | 0.03 |
| 3-Jul-2019 | | 0.03 |
| 4-Jul-2019 | | 0.03 |
| 5-Jul-2019 | | 0.03 |
| 6-Jul-2019 | | 0.03 |
| 7-Jul-2019 | | 0.03 |
| 8-Jul-2019 | | 0.03 |
| 9-Jul-2019 | | 0.03 |
| 10-Jul-2019 | | 0.03 |
| 11-Jul-2019 | | 0.03 |
| 12-Jul-2019 | | 0.03 |
| 13-Jul-2019 | | 0.03 |
| 14-Jul-2019 | | 0.03 |
| 15-Jul-2019 | | 0.03 |
| 16-Jul-2019 | | 0.03 |
| 17-Jul-2019 | | 0.03 |
| 18-Jul-2019 | | 0.03 |
| 19-Jul-2019 | | 0.03 |
| 20-Jul-2019 | | 0.03 |
| 21-Jul-2019 | | 0.03 |
| 22-Jul-2019 | | 0.03 |
| 23-Jul-2019 | | 0.03 |
| 24-Jul-2019 | | 0.03 |
| 25-Jul-2019 | | 0.03 |
| 26-Jul-2019 | | 0.03 |
| 27-Jul-2019 | | 0.03 |
| 28-Jul-2019 | | 0.03 |
| 29-Jul-2019 | | 0.126 |
| 30-Jul-2019 | | 0.124 |
| 31-Jul-2019 | | 0.124 |
| 1-Aug-2019 | | 0.124 |
| 2-Aug-2019 | | 0.124 |
| 3-Aug-2019 | | 0.131 |
| 4-Aug-2019 | | 0.131 |
| 5-Aug-2019 | | 0.131 |
| 6-Aug-2019 | | 0.131 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 7-Aug-2019 | | 0.12 |
| 8-Aug-2019 | | 0.12 |
| 9-Aug-2019 | | 0.12 |
| 10-Aug-2019 | | 0.12 |
| 11-Aug-2019 | | 0.12 |
| 12-Aug-2019 | | 0.12 |
| 13-Aug-2019 | | 0.12 |
| 14-Aug-2019 | | 0.12 |
| 15-Aug-2019 | | 0.12 |
| 16-Aug-2019 | | 0.12 |
| 17-Aug-2019 | | 0.12 |
| 18-Aug-2019 | | 0.12 |
| 19-Aug-2019 | | 0.12 |
| 20-Aug-2019 | | 0.12 |
| 21-Aug-2019 | | 0.12 |
| 22-Aug-2019 | | 0.12 |
| 23-Aug-2019 | | 0.12 |
| 24-Aug-2019 | | 0.12 |
| 25-Aug-2019 | | 0.12 |
| 26-Aug-2019 | | 0.12 |
| 27-Aug-2019 | | 0.12 |
| 28-Aug-2019 | | 0.12 |
| 29-Aug-2019 | | 0.12 |
| 30-Aug-2019 | | 0.12 |
| 31-Aug-2019 | | 0.12 |
| 1-Sep-2019 | | 0.13 |
| 2-Sep-2019 | | 0.13 |
| 3-Sep-2019 | | 0.13 |
| 4-Sep-2019 | | 0.13 |
| 5-Sep-2019 | | 0.13 |
| 6-Sep-2019 | | 0.13 |
| 7-Sep-2019 | | 0.13 |
| 8-Sep-2019 | | 0.13 |
| 9-Sep-2019 | | 0.13 |
| 10-Sep-2019 | | 0.13 |
| 11-Sep-2019 | | 0.13 |
| 12-Sep-2019 | | 0.13 |
| 13-Sep-2019 | | 0.13 |
| 14-Sep-2019 | | 0.13 |
| 15-Sep-2019 | | 0.13 |
| 16-Sep-2019 | | 0.13 |
| 17-Sep-2019 | | 0.13 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 18-Sep-2019 | | 0.13 |
| 19-Sep-2019 | | 0.13 |
| 20-Sep-2019 | | 0.13 |
| 21-Sep-2019 | | 0.13 |
| 22-Sep-2019 | | 0.13 |
| 23-Sep-2019 | | 0.13 |
| 24-Sep-2019 | | 0.13 |
| 25-Sep-2019 | | 0.13 |
| 26-Sep-2019 | | 0.13 |
| 27-Sep-2019 | | 0.13 |
| 28-Sep-2019 | | 0.13 |
| 29-Sep-2019 | | 0.13 |
| 30-Sep-2019 | | 0.14 |
| 1-Oct-2019 | | 0.13 |
| 2-Oct-2019 | | 0.13 |
| 3-Oct-2019 | | 0.13 |
| 4-Oct-2019 | | 0.13 |
| 5-Oct-2019 | | 0.13 |
| 6-Oct-2019 | | 0.13 |
| 7-Oct-2019 | | 0.13 |
| 8-Oct-2019 | | 0.13 |
| 9-Oct-2019 | | 0.13 |
| 10-Oct-2019 | | 0.13 |
| 11-Oct-2019 | | 0.13 |
| 12-Oct-2019 | | 0.13 |
| 13-Oct-2019 | | 0.13 |
| 14-Oct-2019 | | 0.13 |
| 15-Oct-2019 | | 0.13 |
| 16-Oct-2019 | | 0.13 |
| 17-Oct-2019 | | 0.13 |
| 18-Oct-2019 | | 0.13 |
| 19-Oct-2019 | | 0.13 |
| 20-Oct-2019 | | 0.13 |
| 21-Oct-2019 | | 0.13 |
| 22-Oct-2019 | | 0.13 |
| 23-Oct-2019 | | 0.13 |
| 24-Oct-2019 | | 0.138 |
| 25-Oct-2019 | | 0.138 |
| 26-Oct-2019 | | 0.138 |
| 27-Oct-2019 | | 0.138 |
| 28-Oct-2019 | | 0.138 |
| 29-Oct-2019 | | 0.138 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 30-Oct-2019 | | 0.138 |
| 31-Oct-2019 | | 0.138 |
| 1-Nov-2019 | | 0.138 |
| 2-Nov-2019 | | 0.138 |
| 3-Nov-2019 | | 0.138 |
| 4-Nov-2019 | | 0.138 |
| 5-Nov-2019 | | 0.138 |
| 6-Nov-2019 | | 0.138 |
| 7-Nov-2019 | | 0.138 |
| 8-Nov-2019 | | 0.138 |
| 9-Nov-2019 | | 0.138 |
| 10-Nov-2019 | | 0.138 |
| 11-Nov-2019 | | 0.138 |
| 12-Nov-2019 | | 0.138 |
| 13-Nov-2019 | | 0.138 |
| 14-Nov-2019 | | 0.138 |
| 15-Nov-2019 | | 0.138 |
| 16-Nov-2019 | | 0.138 |
| 17-Nov-2019 | | 0.138 |
| 18-Nov-2019 | | 0.141 |
| 19-Nov-2019 | | 0.141 |
| 20-Nov-2019 | | 0.141 |
| 21-Nov-2019 | | 0.141 |
| 22-Nov-2019 | | 0.141 |
| 23-Nov-2019 | | 0.141 |
| 24-Nov-2019 | | 0.141 |
| 25-Nov-2019 | | 0.255 |
| 26-Nov-2019 | | 0.255 |
| 27-Nov-2019 | | 0.255 |
| 28-Nov-2019 | | 0.255 |
| 29-Nov-2019 | | 0.255 |
| 30-Nov-2019 | | 0.255 |
| 1-Dec-2019 | | 0.255 |
| 2-Dec-2019 | | 0.255 |
| 3-Dec-2019 | | 0.255 |
| 4-Dec-2019 | | 0.255 |
| 5-Dec-2019 | | 1.530 |
| 6-Dec-2019 | | 1.530 |
| 7-Dec-2019 | | 1.530 |
| 8-Dec-2019 | | 1.530 |
| 9-Dec-2019 | | 1.530 |
| 10-Dec-2019 | | 1.530 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 11-Dec-2019 | 13/01/2020 | 1.530 |
| 12-Dec-2019 | | 1.878 |
| 13-Dec-2019 | | 1.878 |
| 14-Dec-2019 | | 1.878 |
| 15-Dec-2019 | | 1.878 |
| 16-Dec-2019 | | 0.539 |
| 17-Dec-2019 | | 0.539 |
| 18-Dec-2019 | | 0.539 |
| 19-Dec-2019 | | 0.539 |
| 20-Dec-2019 | | 0.294 |
| 21-Dec-2019 | | 0.294 |
| 22-Dec-2019 | | 0.294 |
| 23-Dec-2019 | | 0.294 |
| 24-Dec-2019 | | 0.294 |
| 25-Dec-2019 | | 0.294 |
| 26-Dec-2019 | | 0.294 |
| 27-Dec-2019 | | 0.220 |
| 28-Dec-2019 | | 0.220 |
| 29-Dec-2019 | | 0.220 |
| 30-Dec-2019 | | 0.220 |
| 31-Dec-2019 | | 0.220 |
| 1-Jan-2020 | | 0.220 |
| 2-Jan-2020 | | 0.220 |
| 3-Jan-2020 | | 0.220 |
| 4-Jan-2020 | | 0.220 |
| 5-Jan-2020 | | 0.220 |
| 6-Jan-2020 | | 0.294 |
| 7-Jan-2020 | | 0.294 |
| 8-Jan-2020 | | 0.294 |
| 9-Jan-2020 | | 0.294 |
| 10-Jan-2020 | | 0.294 |
| 11-Jan-2020 | | 0.294 |
| 12-Jan-2020 | | 0.294 |
| 13-Jan-2020 | | 0.294 |
| 14-Jan-2020 | | 0.220 |
| 15-Jan-2020 | | 0.462 |
| 16-Jan-2020 | | 0.462 |
| 17-Jan-2020 | | 0.462 |
| 18-Jan-2020 | | 0.462 |
| 19-Jan-2020 | | 0.462 |
| 20-Jan-2020 | | 0.677 |
| 21-Jan-2020 | | 0.677 |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 22-Jan-2020 | | 0.677 |
| 23-Jan-2020 | | 0.677 |
| 24-Jan-2020 | | 0.677 |
| 25-Jan-2020 | | 0.677 |
| 26-Jan-2020 | | 0.677 |
| 27-Jan-2020 | | 0.381 |
| 28-Jan-2020 | | 0.381 |
| 29-Jan-2020 | | 0.294 |
| 30-Jan-2020 | | 0.294 |
| 31-Jan-2020 | | 0.294 |
| 1-Feb-2020 | | 0.294 |
| 2-Feb-2020 | | 0.294 |
| 3-Feb-2020 | | 0.294 |
| 4-Feb-2020 | | 0.294 |
| 5-Feb-2020 | 11/02/2020 | 0.294 |
| 6-Feb-2020 | | 2.360 |
| 7-Feb-2020 | | 2.360 |
| 8-Feb-2020 | | 2.360 |
| 9-Feb-2020 | | 2.360 |
| 10-Feb-2020 | | 2.360 |
| 11-Feb-2020 | | 2.360 |
| 12-Feb-2020 | | 2.360 |
| 13-Feb-2020 | | 2.360 |
| 14-Feb-2020 | | 2.360 |
| 15-Feb-2020 | | 2.360 |
| 16-Feb-2020 | | 2.360 |
| 17-Feb-2020 | | 2.360 |
| 18-Feb-2020 | | 2.360 |
| 19-Feb-2020 | | 2.360 |
| 20-Feb-2020 | | 2.360 |
| 21-Feb-2020 | | 2.360 |
| 22-Feb-2020 | | 2.360 |
| 23-Feb-2020 | | 2.360 |
| 24-Feb-2020 | | 2.360 |
| 25-Feb-2020 | | 2.360 |
| 26-Feb-2020 | | 2.360 |
| 27-Feb-2020 | | 2.360 |
| 28-Feb-2020 | | 2.360 |
| 29-Feb-2020 | | 2.360 |
| 1-Mar-2020 | | 2.360 |
| 2-Mar-2020 | | 2.360 |
| 3-Mar-2020 | | 2.360 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 4-Mar-2020 | | 2.360 |
| 5-Mar-2020 | | 2.360 |
| 6-Mar-2020 | | 2.360 |
| 7-Mar-2020 | | 2.360 |
| 8-Mar-2020 | | 2.360 |
| 9-Mar-2020 | | 2.360 |
| 10-Mar-2020 | | 2.360 |
| 11-Mar-2020 | | 2.360 |
| 12-Mar-2020 | 12/03/2020 | 2.360 |
| 13-Mar-2020 | | 0.294 |
| 14-Mar-2020 | | 0.294 |
| 15-Mar-2020 | | 0.294 |
| 16-Mar-2020 | | 0.294 |
| 17-Mar-2020 | | 0.294 |
| 18-Mar-2020 | | 0.294 |
| 19-Mar-2020 | | 0.294 |
| 20-Mar-2020 | | 0.294 |
| 21-Mar-2020 | | 0.294 |
| 22-Mar-2020 | | 0.294 |
| 23-Mar-2020 | | 0.294 |
| 24-Mar-2020 | | 0.294 |
| 25-Mar-2020 | | 0.294 |
| 26-Mar-2020 | | 0.294 |
| 27-Mar-2020 | | 0.294 |
| 28-Mar-2020 | | 0.294 |
| 29-Mar-2020 | | 0.294 |
| 30-Mar-2020 | | 0.294 |
| 31-Mar-2020 | | 0.294 |
| 1-Apr-2020 | | 0.294 |
| 2-Apr-2020 | | 0.294 |
| 3-Apr-2020 | | 0.294 |
| 4-Apr-2020 | | 0.294 |
| 5-Apr-2020 | | 0.294 |
| 6-Apr-2020 | 08/04/2020 | 0.294 |
| 7-Apr-2020 | | 0.293 |
| 8-Apr-2020 | | 0.293 |
| 9-Apr-2020 | | 0.293 |
| 10-Apr-2020 | | 0.293 |
| 11-Apr-2020 | | 0.293 |
| 12-Apr-2020 | | 0.293 |
| 13-Apr-2020 | | 0.293 |
| 14-Apr-2020 | | 0.293 |



| Data obtained on | Data published on | Volume discharged (ML/d) |
|------------------|-------------------|--------------------------|
| 15-Apr-2020 | | 0.293 |
| 16-Apr-2020 | | 0.293 |
| 17-Apr-2020 | | 0.293 |
| 18-Apr-2020 | | 0.293 |
| 19-Apr-2020 | | 0.293 |
| 20-Apr-2020 | | 0.293 |
| 21-Apr-2020 | | 0.293 |
| 22-Apr-2020 | | 0.293 |
| 23-Apr-2020 | | 0.293 |
| 24-Apr-2020 | | 0.293 |
| 25-Apr-2020 | | 0.293 |
| 26-Apr-2020 | | 0.293 |
| 27-Apr-2020 | | 0.293 |
| 28-Apr-2020 | | 0.001 |
| 29-Apr-2020 | | 0.001 |
| 30-Apr-2020 | | 0.001 |
| 1-May-2020 | | 0.001 |
| 2-May-2020 | | 0.001 |
| 3-May-2020 | | 0.001 |
| 4-May-2020 | | 0.001 |
| 5-May-2020 | | 0.001 |
| 6-May-2020 | | 0.001 |
| 7-May-2020 | | 0.001 |
| 8-May-2020 | | 0.001 |
| 9-May-2020 | | 0.001 |
| 10-May-2020 | | 0.001 |
| 11-May-2020 | 12/05/2020 | 0.001 |
| 12-May-2020 | | 0.001 |
| 13-May-2020 | | 0.001 |
| 14-May-2020 | | 0.001 |
| 15-May-2020 | | 0.001 |
| 16-May-2020 | | 0.001 |
| 17-May-2020 | | 0.003 |
| 18-May-2020 | | 0.003 |
| 19-May-2020 | | 0.003 |
| 20-May-2020 | | 0.003 |
| 21-May-2020 | | 0.003 |
| 22-May-2020 | | 0.003 |
| 23-May-2020 | | 0.003 |
| 24-May-2020 | | 0.003 |
| 25-May-2020 | | 0.003 |
| 26-May-2020 | | 0.003 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 27-May-2020 | | 0.003 |
| 28-May-2020 | | 0.003 |
| 29-May-2020 | | 0.003 |
| 30-May-2020 | | 0.003 |
| 31-May-2020 | | 0.003 |
| 1-Jun-2020 | 04/06/2020 | 0.003 |
| 2-Jun-2020 | | 0.003 |
| 3-Jun-2020 | | 0.003 |
| 4-Jun-2020 | | 0.003 |
| 5-Jun-2020 | | 0.003 |
| 6-Jun-2020 | | 0.003 |
| 7-Jun-2020 | | 0.003 |
| 8-Jun-2020 | | 0.003 |
| 9-Jun-2020 | | 0.003 |
| 10-Jun-2020 | | 0.003 |
| 11-Jun-2020 | | 0.001 |
| 12-Jun-2020 | | 0.001 |
| 13-Jun-2020 | | 0.001 |
| 14-Jun-2020 | | 0.001 |
| 15-Jun-2020 | | 0.002 |
| 16-Jun-2020 | | 0.002 |
| 17-Jun-2020 | | 0.002 |
| 18-Jun-2020 | | 1.900 |
| 19-Jun-2020 | | 1.900 |
| 20-Jun-2020 | | 1.900 |
| 21-Jun-2020 | | 1.900 |
| 22-Jun-2020 | | 1.900 |
| 23-Jun-2020 | | 1.900 |
| 24-Jun-2020 | | 1.900 |
| 25-Jun-2020 | | 1.900 |
| 26-Jun-2020 | | 1.900 |
| 27-Jun-2020 | | 1.900 |
| 28-Jun-2020 | | 1.900 |
| 29-Jun-2020 | | 2.360 |
| 30-Jun-2020 | | 2.360 |
| 1-Jul-2020 | 1/07/2020 | 2.360 |
| 2-Jul-2020 | | 2.360 |
| 3-Jul-2020 | | 2.360 |
| 4-Jul-2020 | | 2.360 |
| 5-Jul-2020 | | 2.360 |
| 6-Jul-2020 | | 1.900 |
| 7-Jul-2020 | | 1.900 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 8-Jul-2020 | | 1.900 |
| 9-Jul-2020 | | 1.900 |
| 10-Jul-2020 | | 1.900 |
| 11-Jul-2020 | | 1.900 |
| 12-Jul-2020 | | 1.900 |
| 13-Jul-2020 | | 1.490 |
| 14-Jul-2020 | | 1.490 |
| 15-Jul-2020 | | 1.490 |
| 16-Jul-2020 | | 1.490 |
| 17-Jul-2020 | | 1.490 |
| 18-Jul-2020 | | 1.490 |
| 19-Jul-2020 | | 1.490 |
| 20-Jul-2020 | | 1.490 |
| 21-Jul-2020 | | 1.490 |
| 22-Jul-2020 | | 1.490 |
| 23-Jul-2020 | | 1.490 |
| 24-Jul-2020 | | 1.490 |
| 25-Jul-2020 | | 1.490 |
| 26-Jul-2020 | | 1.490 |
| 27-Jul-2020 | | 1.900 |
| 28-Jul-2020 | | 1.900 |
| 29-Jul-2020 | | 1.900 |
| 30-Jul-2020 | | 1.900 |
| 31-Jul-2020 | | 1.900 |
| 1-Aug-2020 | | 1.900 |
| 2-Aug-2020 | | 1.900 |
| 3-Aug-2020 | 11/08/2020 | 1.900 |
| 4-Aug-2020 | | 1.490 |
| 5-Aug-2020 | | 1.490 |
| 6-Aug-2020 | | 1.490 |
| 7-Aug-2020 | | 1.490 |
| 8-Aug-2020 | | 1.490 |
| 9-Aug-2020 | | 1.490 |
| 10-Aug-2020 | | 1.490 |
| 11-Aug-2020 | | 1.490 |
| 12-Aug-2020 | | 1.490 |
| 13-Aug-2020 | | 1.490 |
| 14-Aug-2020 | | 1.490 |
| 15-Aug-2020 | | 1.490 |
| 16-Aug-2020 | | 1.490 |
| 17-Aug-2020 | | 1.490 |
| 18-Aug-2020 | | 1.490 |

| Data obtained on | Data published on | Volume discharged (ML/d) |
|-------------------------|--------------------------|---------------------------------|
| 19-Aug-2020 | | 1.490 |
| 20-Aug-2020 | | 1.490 |
| 21-Aug-2020 | | 1.490 |
| 22-Aug-2020 | | 1.490 |
| 23-Aug-2020 | | 1.490 |
| 24-Aug-2020 | | 1.490 |
| 25-Aug-2020 | | 1.490 |
| 26-Aug-2020 | | 1.490 |
| 27-Aug-2020 | | 1.490 |
| 28-Aug-2020 | | 1.490 |
| 29-Aug-2020 | | 1.490 |
| 30-Aug-2020 | | 1.490 |
| 31-Aug-2020 | | 1.490 |
| 1-Sep-2020 | | 1.490 |
| 2-Sep-2020 | | 1.490 |
| 3-Sep-2020 | | 1.490 |
| 4-Sep-2020 | | 1.490 |
| 5-Sep-2020 | | 1.490 |
| 6-Sep-2020 | | 1.490 |
| 7-Sep-2020 | | 1.490 |
| 8-Sep-2020 | | 1.490 |
| 9-Sep-2020 | | 1.490 |
| 10-Sep-2020 | 11/09/2020 | 1.490 |

Licence Limit: 10 ML/d. Compliance summary: Discharge within licence limits.

3. Ambient Air/Dust Monitoring

Berrima Colliery has 4 dust monitoring locations as described below:

- Mine Office Dust Deposition (Gauge 1)
- Medway Village Dust Deposition (Gauge 2)
- Loch Catherine Coal Stockpile Dust Deposition (Gauge 3)
- Mine Entry Road PM₁₀ Atmospheric Dust (Gauge 4)

3.1 Dust Deposition Gauges: Total Insoluble Matter (grams per metre² per month)

Gauges 1 to 3 are dust deposition gauges which measure the levels of coarse dust. It is a measure of dust nuisance rather than an indication of potential health problems as this dust fraction does not penetrate into the respiratory system.

Licence limit: Not specified

Adopted limits: For dust deposition, the NSW State guideline of 4 g/m² /month (presented as a 12-month rolling average) has been adopted.

Table 5 – Dust Deposition Data

| | Dust Deposition Gauges (g/m ² /month as 12-month rolling average) | | |
|---|---|--------------------------|--------------------------|
| | Site 1 Office | Site 2 Medway Village | Site 3 Loch Catherine |
| December 2016 Report Received: 9/01/17 Date Published: 6/02/17 | 1.61 | 0.44 | 0.46 |
| January 2017 Report Received: 6/02/17 Date Published: 6/02/17 | 1.58 | 0.58 | 0.45 |
| February 2017 Report Received: 8/03/17 Date Published: 8/03/17 | 1.53 | 0.61 | 0.47 |
| March 2017 Report Received: 16/03/17 Date Published: 4/04/17 | 1.65 | 0.65 | 0.50 |
| April 2017 Report Received: 3/05/17 Date Published: 5/05/17 | 1.64 | 0.64 | 0.49 |
| May 2017 Report Received: 5/06/17 Date Published: 5/06/17 | 1.67 | 0.65 | 0.50 |
| June 2017 Report Received: 3/07/17 Date Published: 4/07/17 | 1.55 | 0.60 | 0.40 |
| July 2017 Report Received: 7/08/17 Date Published: 8/08/17 | 1.49 | 0.61 | 0.40 |
| August 2017 Report Received: 1/09/17 Date Published: 11/09/17 | 1.53 | 0.66 | 0.39 |

| | Dust Deposition Gauges (g/m ² /month as 12-month rolling average) | | |
|--|---|--------------------------|--------------------------|
| | Site 1 Office | Site 2 Medway Village | Site 3 Loch Catherine |
| September 2017 Report Received: 15/09/17 Date Published: 13/10/17 | 1.24 | 0.62 | 0.38 |
| October 2017 Report Received: 15/09/17 Date Published: 13/10/17 | 1.23 | 0.65 | 0.42 |
| November 2017 Report Received: 15/11/17 Date Published: 6/12/17 | 1.34 | No Result* | 0.48 |
| December 2017 Report Received: 5/01/18 Date Published: 9/1/18 | 2.07 | 0.70 | 0.48 |
| January 2018 Report Received: 9/03/18 Date Published: 13/3/18 | 2.04 | 0.63 | 0.55 |
| February 2018 Report Received: 21/02/18 Date Published: 13/3/18 | 2.12 | 0.69 | 0.50 |
| March 2018 Report Received: 15/03/18 Date Published: 14/4/18 | 1.99 | 0.64 | 0.48 |
| April 2018 Report Received: 11/06/18 Date Published: 12/06/18 | 1.98 | 0.65 | 0.55 |
| May 2018 Report Received: 11/06/18 Date Published: 12/06/18 | 0.97 | 0.69 | 0.58 |
| June 2018 Report Received: 18/06/18 Date Published: 10/07/18 | 1.97 | 0.75 | No Result# |
| July 2018 Report Received: 03/08/18 Date Published: 14/08/18 | 1.98 | 0.75 | 0.64 |
| August 2018 Report Received: 05/09/18 Date Published: 07/09/18 | 1.96 | 0.71 | 0.81 |
| September 2018 Report Received: 02/10/18 Date Published: 04/10/18 | 1.95 | 0.75 | 0.85 |
| October 2018 Report Received: 07/11/18 Date Published: 09/11/18 | 2.0 | 0.78 | 0.85 |
| November 2018 Report Received: 7/12/18 Date Published: 13/12/18 | 1.81 | 0.77 | 0.83 |
| December 2018 Report Received: 15/01/19 Date Published: 15/01/19 | 1.73 | 0.82 | 0.93 |
| January 2019 Report Received: 08/02/19 Date Published: 11/02/19 | 2.42 | 0.93 | 1.07 |
| February 2019 Report Received: 14/03/19 Date Published: 14/03/19 | 2.32 | 0.84 | 1.15 |
| March 2019 Report Received: 11/04/19 Date Published: 12/04/19 | 2.28 | 0.86 | 1.19 |

| | Dust Deposition Gauges (g/m ² /month as 12-month rolling average) | | |
|--|---|--------------------------|--------------------------|
| | Site 1 Office | Site 2 Medway Village | Site 3 Loch Catherine |
| April 2019 Report Received: 1/05/19 Date Published: 13/05/19 | 2.33 | 0.86 | 1.24 |
| May 2019 Report Received: 12/06/19 Date Published: 13/06/19 | 2.29 | 0.82 | 1.21 |
| June 2019 Report Received: 12/07/19 Date Published: 12/07/19 | 2.34 | 0.83 | 1.14 |
| July 2019 Report Received: 08/08/19 Date Published: 08/08/19 | 2.36 | 0.83 | 1.12 |
| August 2019 Report Received: 04/09/19 Date Published: 10/09/19 | 2.34 | 0.83 | 0.97 |
| September 2019 Report Received: 08/10/19 Date Published: 10/10/19 | 2.46 | 0.83 | 1.15 |
| October 2019 Report Received: 13/11/19 Date Published: 13/11/19 | 2.42 | 0.83 | 1.14 |
| November 2019 Report Received: 10/12/19 Date Published: 12/12/19 | 2.49 | 0.88 | 1.18 |
| December 2019 Report Received: 18/12/19 Date Published: 13/01/20 | 1.88 | 0.87 | 1.18 |
| January 2020 Report Received: 11/02/20 Date Published: 11/02/20 | 1.34 | 0.75 | 1.41 |
| February 2020 Report Received: 12/03/20 Date Published: 12/03/20 | 2.16 | 0.98 | 1.56 |
| March 2020 Report Received: 08/04/20 Date Published: 08/04/20 | 2.47 | 1.17 | 1.68 |
| April 2020 Report Received: 12/05/20 Date Published: 12/05/20 | 2.49 | 1.13 | 1.56 |
| May 2020 Report Received: 04/06/20 Date Published: 04/06/20 | 2.56 | 1.18 | 1.54 |
| June 2020 Report Received: 16/06/20 Date Published: 01/07/20 | 2.56 | 1.18 | 1.54 |
| July 2020 Report Received: 15/07/20 Date Published: 11/08/20 | 2.56 | 1.23 | 1.55 |
| August 2020 Report Received: 14/08/20 Date Published: 11/09/20 | 2.62 | 1.27 | 1.66 |

Compliance summary: The dust levels at site office and Loch meet the adopted criteria.

*Dust gauge missing from Medway Village therefore no result for November 2017.

Dust gauge destroyed in fire at Loch Catherine (Site 3) therefore no result for June 2018.

3.2 Atmospheric Dust Sampling

Berrima Colliery is required to measure the very small fraction of total suspended particulate matter, namely the 10 micron fraction (PM₁₀). This test measures the levels of the very fine dust suspended in the air which is a measure of potential health effects (irritation of the respiratory tract) as the small particles can penetrate into the airways and the lungs. Fine dust can persist in the atmosphere for days or even months before it settles and can travel some distance. Gauge 4 is located near the mine entrance which is midway between the mine facilities and the village of Medway.

Licence limit: Not specified

Adopted limits: The National Environment Protection (Ambient Air Quality) Measure standard of 50 µg/m³ for a 24-hour average has been adopted. This is in line with current standards for the coal industry.

Table 7 – Atmospheric Dust Data

| Month | Report Received | Date Published | PM ₁₀ µg/m ³ 24 hour average |
|----------------|-----------------|----------------|---|
| January 2017 | 23/01/17 | 06/02/17 | 13.6 |
| February 2017 | 16/02/17 | 08/03/17 | 73.3 |
| March 2017 | 16/03/17 | 04/04/17 | 8.5 |
| April 2017 | 20/04/17 | 05/05/17 | 11.6 |
| May 2017 | 15/05/17 | 05/06/17 | 8.8 |
| June 2017 | 14/06/17 | 04/07/17 | 2.8 |
| July 2017 | 03/08/17 | 08/08/17 | <0.1 |
| August 2017 | 18/09/17 | 13/10/17 | <0.1 |
| September 2017 | 18/09/17 | 13/10/17 | 7.0 |
| October 2017 | 13/10/17 | 06/12/17 | 15.5 |
| November 2017 | 14/11/17 | 06/12/17 | 10.2 |
| December 2017 | 18/12/17 | 09/01/18 | 9.1 |
| January 2018 | 24/01/18 | 13/02/18 | 15.16 |
| February 2018 | 22/02/18 | 13/03/18 | 12.0 |
| March 2018 | 26/03/18 | 14/04/18 | 17.3 |
| April 2018 | 24/04/18 | 11/05/18 | 21.1 |
| May 2018 | 18/05/18 | 12/06/18 | 14.5 |
| June 2018 | 21/06/18 | 26/06/18 | 6.7 |
| July 2018 | 19/07/18 | 14/08/18 | 3.2 |
| August 2018 | 28/08/18 | 07/09/18 | 12.4 |
| September 2018 | 26/09/18 | 04/10/18 | 5.5 |
| October 2018 | 12/10/18 | 09/11/18 | 11.6 |
| November 2018 | 7/12/18 | 13/12/18 | 37.8 |
| December 2018 | 20/12/18 | 15/01/19 | 136 |
| January 2019 | 22/01/19 | 11/02/19 | 25.9 |
| February 2019 | 08/03/19 | 14/03/19 | 14.0 |

| | | | |
|----------------|----------|----------|------|
| March 2019 | 27/03/19 | 12/04/19 | 8.8 |
| April 2019 | 30/04/19 | 13/06/19 | 7.6 |
| May 2019 | 27/05/19 | 13/06/19 | 43.5 |
| June 2019 | 18/06/19 | 12/07/19 | 11.0 |
| July 2019 | 18/07/19 | 8/08/19 | 2.0 |
| August 2019 | 16/08/19 | 10/09/19 | 5.6 |
| September 2019 | 20/09/19 | 10/10/19 | 6.6 |
| October 2019 | 25/10/19 | 13/11/19 | 18.2 |
| November 2019 | 18/11/19 | 12/12/19 | 44.4 |
| December 2019 | 02/12/19 | 16/12/19 | 18.6 |
| January 2020 | 29/01/20 | 11/02/20 | 35.0 |
| February 2020 | 24/02/20 | 12/03/20 | 93.8 |
| March 2020 | 17/03/20 | 08/04/20 | 15.8 |
| April 2020 | 20/04/20 | 12/05/20 | 9.3 |
| May 2020 | 18/05/20 | 04/06/20 | 14.0 |
| June 2020 | 16/06/20 | 01/07/20 | 6.0 |
| July 2020 | 13/08/20 | 11/09/20 | 12.9 |
| August 2020 | 13/08/20 | 11/09/20 | 13.2 |

Compliance summary:

The February 2017 result exceeded the NEPM standard at the mine office. The corresponding deposition monitoring data at the mine office and at Medway Village was still in compliance despite the elevated PM₁₀ reading on the mine site, and therefore deposition rates at the nearest residential receptor remain in compliance.

The December 2018 result exceeded the NEPM standard at the mine office. This was due to localised dust generation resulting from handling of limestone aggregate for use in underground water treatment. The corresponding deposition monitoring data at the mine office was elevated relative to the village and the stockpile sites. Given that the result at Medway Village was still in compliance despite the elevated PM₁₀ reading on the mine site, deposition rates at the nearest residential receptor remain in compliance. Elevated dust readings will be expected in future as part of the earthworks component of the rehabilitation program.

The November 2019 result was effected by hazard reduction burning in the region, while the January and February 2020 levels were effected by bushfires in the local area.

REPORT ENDS