

Northparkes Mines
A century of mining together

PO Box 995 Parkes NSW 2870 Australia
 T +61 (0) 2 6861 3533
 ABN 17 164 997 317
 www.northparkes.com



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Licensee: CMOC Mining Pty Ltd
 Sumitomo Metal Mining Oceania P/L
 SC Mineral Resources Pty Ltd

Quarter 3 2022

EPL No.: 4784

| EPA Identification no. | Monitoring Frequency | Pollutant | Measurement | Unit | Comments |
|------------------------|----------------------|--------------------------------------|------------------------|---------------|---|
| 1 (W14) | Quarterly | Conductivity Copper pH | 7,038 0.016 7.73 | µS/cm mg/L | <p>The Q3 2022 water monitoring results for W14 bore are in line with historical water quality results.</p> <p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity increased 1,168 µS/cm (previously 5,870 µS/cm). - Copper concentration increased 0.01 (previously 0.006 mg/L). - pH increased 0.41 (previously 7.32). - Reduced standing water level increased 0.17 m (previously 270.05 m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |
| | | Reduced Standing Water Level (m AHD) | 270.22 | m | |

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| 2 (W19) | Quarterly | Conductivity Copper pH Reduced Standing Water Level (m AHD) | 7,450 0.002 7.75 253.7 | µS/cm mg/L m | <p>The Q3 2022 water monitoring results for W19 bore are in line with historical water quality results.</p> <p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity increased from the previous period, slightly exceeding the stage one trigger level of 7,428 µS/cm (previously 5,802 µS/cm). - Copper concentration increased 0.001 mg/L (previously 0.001 mg/L). - pH increased 0.07 (previously 7.68). - Reduced standing water level increased 0.5 m (previously 253.20 m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |
| 3 (W21) | Quarterly | Conductivity Copper pH Reduced Standing Water Level (m AHD) | 26,871 0.018 7.54 271.34 | µS/cm mg/L m | <p>The Q3 2022 water monitoring results for W21 bore are largely in line with historical water quality results.</p> <p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity increased from the previous period, exceeding the stage two trigger level of 21,612 µS/cm (previously 20,505 µS/cm). - Copper concentration increased by 0.008 mg/L (previously 0.01). - pH increased by 0.02 (previously 7.52) - Reduced standing water level increased 2.27 m (previously 269.07) <p>Results are stabilising following the implementation of a low flow sampling methodology and will continue to be monitored during the 2022 reporting period with actions reassessed if ongoing instability occurs.</p> <p>All other minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |

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| 4 (W23) | Quarterly | Conductivity Copper pH | 4,782 0.02 7.60 | µS/cm mg/L | Monitoring of W23 has resumed following the removal of the regulatory imposed exclusion area. The Q3 2022 water monitoring results for W23 bore are in line with historical water quality results. |
| | | Reduced Standing Water Level (m AHD) | 245.36 | m | <p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity increased significantly 1,222 µS/cm (previously 3,560 µS/cm). - Copper concentration increased 0.003 (previously 0.017 mg/L), exceeding the stage two trigger level of 0.02 mg/L. - pH increased 0.55 (previously 7.05). - Reduced standing water level decreased 18.22 m (previously 263.58 m). Due to the significant reduction in SWL, the bore was purged and inspected for any faults and will be monitored closely at next reporting period. <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |
| 5 (W25) | Quarterly | Conductivity Copper pH | 2,678 0.018 7.41 | µS/cm mg/L | The Q3 2022 water monitoring results for W25 bore are largely in line with historical water quality results. |
| | | Reduced Standing Water Level (m AHD) | 284.34 | m | <p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity increased 626 µS/cm (previously 2,052 µS/cm). - Copper concentration decreased by 0.027 mg/L (previously 0.045 mg/L), and returned below stage one trigger level. - pH increased 0.28 (previously 7.13). - Reduced standing water level increased 0.17 m (previously 284.17 m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |

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| 6 (W20) | Quarterly | Conductivity Copper pH Reduced Standing Water Level (m AHD) | 14,886 0.037 7.15 267.89 | μS/cm mg/L m | <p>The Q3 2022 water monitoring results for W20 bore are in line with historical water quality results.</p> <p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity increased by 3,189 μS/cm (previously 11,697 μS/cm). - Copper concentration increased 0.014 mg/L (previously 0.023 mg/L). - pH increased 0.31 (previously 6.84). - Reduced standing water level increased 0.36 m (previously 267.53m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |