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 Sumitomo Metal Mining Oceana P/L  
 SC Mineral Resources Pty Ltd

**Quarter 1 2021**

**EPL No.:** 4784

| EPA Identification no. | Monitoring Frequency | Pollutant                    | Measurement            | Unit          | Comments   |
|------------------------|----------------------|------------------------------|------------------------|---------------|--|
| 1 (W14)                | Quarterly            | Conductivity<br>Copper<br>pH | 5.029<br>0.015<br>7.06 | µS/cm<br>mg/L | The Q1 2021 water monitoring results for W14 bore are in line with historical water quality results.<br><br>Since the previous monitoring period, and unless stated, results remain within internal trigger values:<br><br>- Conductivity increased 40 µS/cm (previously 4,989 µS/cm).<br>- Copper concentration remained the same.<br>- pH levels decreased slightly by 0.3 (previously 7.36).<br>- Relative standing water level increased 0.18 m (previously 266.10m).<br><br>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.      |
|                        |                      | Standing Water Level         | 266.28                 | m             |  |
| 2 (W19)                | Quarterly            | Conductivity<br>Copper<br>pH | 4.268<br>0.005<br>6.92 | µS/cm<br>mg/L | The Q1 2021 water monitoring results for W19 bore are in line with historical water quality results.<br><br>Since the previous monitoring period, and unless stated, results remain within internal trigger values:<br><br>- Conductivity increased 45 µS/cm (previously 4,224 µS/cm).<br>- Copper concentration decreased 0.008 mg/L (previously 0.013).<br>- pH decreased 0.41 (previously 7.33).<br>- Relative standing water level increased 1.29 m (previously 249.03 m).<br><br>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods. |
|                        |                      | Standing Water Level         | 250.32                 | m             |  |

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|------------------------|----------------------|--|---------------------------------------|---------------------------------------|--|
| 3 (W21)                | Quarterly            | Conductivity<br>Copper<br>pH<br><br>Standing Water Level | 18,544<br>0.009<br>8.87<br><br>268.40 | $\mu\text{S/cm}$<br>mg/L<br><br><br>m | <p>The Q1 2021 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"> <li>- Conductivity increased significantly by 6,961 <math>\mu\text{S/cm}</math> (previously 11,583).</li> <li>- Copper concentration remained the same at 0.009 mg/L.</li> <li>- pH decreased significantly by 1.17 (previously 10.04). The Q1 result is below the Stage 2 trigger levels with corrective actions to be implemented in accordance with Northparkes Water Management Plan.</li> <li>- Relative standing water level decreased 0.05 m (previously 268.45)</li> </ul> <p>All other minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>   |
| 4 (W23)                | Quarterly            | Conductivity<br>Copper<br>pH<br><br>Standing Water Level | 12,277<br>0.024<br>6.62<br><br>260.78 | $\mu\text{S/cm}$<br>mg/L<br><br><br>m | <p>The Q1 2021 water monitoring results for W23 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"> <li>- Conductivity increased 102 <math>\mu\text{S/cm}</math> previously (12,175 <math>\mu\text{S/cm}</math>).</li> <li>- Copper concentration slightly increased 0.008 mg/L (previously 0.016 mg/L). Copper result is above Stage 1 trigger level with corrective actions to be implemented in accordance with Northparkes Water Management Plan.</li> <li>- pH decreased 0.48 (previously 7.10).</li> <li>- Relative standing water level increased by 0.1 m (previously 260.68m).</li> </ul> <p>These variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p> |

| EPA Identification no. | Monitoring Frequency | Pollutant                    | Measurement            | Unit          | Comments  |
|------------------------|----------------------|------------------------------|------------------------|---------------|---|
| 5 (W25)                | Quarterly            | Conductivity<br>Copper<br>pH | 1,708<br>0.028<br>6.89 | μS/cm<br>mg/L | The Q1 2021 water monitoring results for W25 bore are in line with historical water quality results.<br><br>Since the previous monitoring period, and unless stated, results remain within internal trigger values:<br><br>- Conductivity increased 296 μS/cm (previously 1,412 μS/cm).<br>- Copper concentration increased 0.013 mg/L (previously 0.015 mg/L).<br>- pH decreased 0.78 (previously 7.67).<br>- Relative standing water level decreased 0.72 m (previously 284.08 m).<br><br>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.        |
|                        |                      | Standing Water Level         | 283.3                  | m             |   |
| 6 (W20)                | Quarterly            | Conductivity<br>Copper<br>pH | 9,497<br>0.015<br>6.7  | μS/cm<br>mg/L | The Q1 2021 water monitoring results for W20 bore are in line with historical water quality results.<br><br>Since the previous monitoring period, and unless stated, results remain within internal trigger values:<br><br>- Conductivity increased 122 μS/cm (previously 9,375 μS/cm).<br>- Copper concentration increased 0.008mg/L (previously 0.007 mg/L).<br>- pH decreased 0.18 (previously 6.88).<br>- Relative standing water level slightly decreased 0.01 m (previously 266.75m).<br><br>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods. |
|                        |                      | Standing Water Level         | 266.74                 | m             |   |