

Northparkes Mines
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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 4 2022

EPL No.: 4784

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
1 (W14)	Quarterly	Conductivity Copper pH	4,109 0.008 7.78	µS/cm mg/L	<p>The Q4 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 decreased 2,929 µS/cm (previously 7,038 µS/cm). - Copper concentration decreased 0.008 (previously 0.016 mg/L). - pH increased 0.05 (previously 7.73). - Reduced standing water level increased 1.82 m (previously 270.22 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)	272.04	m	

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
2 (W19)	Quarterly	Conductivity Copper pH	5,935 0.006 7.06	µS/cm mg/L	The Q4 2022 water monitoring results for W19 bore are in line with historical water quality results.
		Reduced Standing Water Level (m AHD)	254.29	m	<p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity decreased 1,515 µS/cm from the previous period, under the stage one stage one trigger level of 7,428 µS/cm (previously 7,450 µS/cm). - Copper concentration increased 0.004 mg/L (previously 0.002 mg/L). - pH decreased 0.69 (previously 7.75). - Reduced standing water level increased 0.59 m (previously 253.70 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	25,998 0.004 7.54	µS/cm mg/L	The Q4 2022 water monitoring results for W21 bore are largely in line with historical water quality results.
		Reduced Standing Water Level (m AHD)	270.37	m	<p>Since the previous monitoring period, and unless stated, results remain within internal trigger values:</p> <ul style="list-style-type: none"> - Conductivity decreased 873 µS/cm from the previous period, exceeding the stage two trigger level of 21,612 µS/cm (previously 26,871 µS/cm). An investigation will be undertaken in 2023 to identify the source of the change. - Copper concentration decreased by 0.014 mg/L (previously 0.018). - pH remained the same (previously 7.54). - Reduced standing water level decreased 0.97 m (previously 271.34) <p>All other minor 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
4 (W23)	Quarterly	Conductivity Copper pH Reduced Standing Water Level (m AHD)	14,340 0.007 7.17 264.75	$\mu\text{S/cm}$ mg/L m	<p>The Q4 2022 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"> - Conductivity increased significantly 9,558 $\mu\text{S/cm}$ (previously 4,782 $\mu\text{S/cm}$). - Copper concentration decreased 0.013 (previously 0.02 mg/L), bringing it back under the stage one trigger level of 0.02 mg/L. - pH decreased 0.43 (previously 7.60). - Reduced standing water level significantly increased 19.39 m (previously 245.36 m). <p>An investigation into the significant increase in Q3 was determined as a data entry error. Q4 sampling has seen the RSWL return to its normal level.</p> <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 Reduced Standing Water Level (m AHD)	2,316 0.014 7.28 284.42	$\mu\text{S/cm}$ mg/L m	<p>The Q4 2022 water monitoring results for W25 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 decreased 362 $\mu\text{S/cm}$ (previously 2,678 $\mu\text{S/cm}$). - Copper concentration decreased by 0.004 mg/L (previously 0.018 mg/L). - pH decreased slightly by 0.13 (previously 7.41). - Reduced standing water level increased 0.08 m (previously 284.34 m) <p>These minor 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
6 (W20)	Quarterly	Conductivity Copper pH Reduced Standing Water Level (m AHD)	12,634 0.017 7.00 268.34	μS/cm mg/L m	<p>The Q4 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 decreased by 2,252 μS/cm (previously 14,886 μS/cm). - Copper concentration decreased 0.020 mg/L (previously 0.037 mg/L). - pH decreased slightly by 0.15 (previously 7.15). - Reduced standing water level increased 0.45 m (previously 267.89m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>