Northparkes Mines
PO Box 995 Parkes NSW 2870 Australia
T +61 2 6861 3000 F +61 2 6861 3101
www.northparkes.com

Published: 13/07/2017
Sampled: 6/06/2017
Obtained: 12/06/2017

Licensee: Sumitomo Metal Mining Oceana P/L
CMOC Mining Pty Ltd
SC Mineral Resources Pty Ltd
EPL No.: 4784

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W14	Quarterly	Conductivity	12850	µS/cm	The Q2 2017 water monitoring results for W14 bore are inline with historical water quality. There is minimal elevation in the standing water level from previous quarter which was 21.5 m. The conductivity slightly decreased from last quater which recorded 13050 µS/cm . The pH concentration decreased from last quarter which was 7.85, similarly copper concentration decreased from last reporting period, which was 0.052 mg/L. These variances is the result of lower than average reainfall for the quarter, resulting in higher infiltration rate compared to previous quarter.
W14	Quarterly	Copper	0.006	mg/L	
W14	Quarterly	pH	7.4		
W14	Quarterly	Standing Water Level	21.8	m	

Published: 13/07/2017
Sampled: 6/06/2017
Obtained: 12/06/2017

Licensee: Sumitomo Metal Mining Oceana P/L
CMOC Mining Pty Ltd
SC Mineral Resources Pty Ltd
EPL No.: 4784

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W19 (MB21)	Quarterly	Conductivity	6214	µS/cm	The Q2 2017 water monitoring results for W19 bore are inline with historical water quality. the pH, EC and Copper concentrations recorded higher values compared to previous reporting period. There was a minor decline in the standing water level from previous quarter which was 34.9m. The pH oberved a slight decrease from last quater which was 8.30, copper copper concentration decreased from last quarter which was 0.26 mg/L . Similarly, the conductivity decreased from the last quarter which was 6450 µS/cm. These variances is the result of lower than average rainfall over the reporting period.
W19 (MB21)	Quarterly	Copper	0.006	mg/L	
W19 (MB21)	Quarterly	pH	7.85		
W19 (MB21)	Quarterly	Standing Water Level	34.3	m	

Published:	13/07/2017		
Sampled:	6/06/2017	**Licensee:**	Sumitomo Metal Mining Oceana P/L
Obtained:	12/06/2017		CMOC Mining Pty Ltd
			SC Mineral Resources Pty Ltd
		EPL No.:	4784

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W21 (MB23)	Quarterly	Conductivity	14256	µS/cm	The Q2 2017 water monitoring results for W21 bore are inline with historical water quality. There is an increase in the standing water level from previous quarter which recorded 13.18m. The pH concentrations slightly decreased from last quarter which was 9.9, both copper and conductivity concentrations decreased from last quarter, copper was 0.089 mg/l and conductivity 14650.2 µS/cm due to lower infiltraion as a result of lower rainfall.
W21 (MB23)	Quarterly	Copper	0.008	mg/L	
W21 (MB23)	Quarterly	pH	10.1		
W21 (MB23)	Quarterly	Standing Water Level	13.18	m	

Published:	13/07/2017		
Sampled:	6/06/2017	**Licensee:**	Sumitomo Metal Mining Oceana P/L
Obtained:	12/06/2017		CMOC Mining Pty Ltd
			SC Mineral Resources Pty Ltd
		EPL No.:	4784

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W23 (MB25)	Quarterly	Conductivity	16030	µS/cm	The Q2 2017 water monitoring results for W23 bore are inline with historical water quality, with exception of Conducivity recording lower concentrations from last reproting period, which recorded a value of 17210 µS/cm. pH and copper concentrations also had a slight decrease from the the last quarter - pH was 8.40 and copper concentrations was 0.008 mg/L. The standing water level is inline with long term averages, and was a slight increase int he standing water level which was 26.6 m from last reporting period.
W23 (MB25)	Quarterly	Copper	0.015	mg/L	
W23 (MB25)	Quarterly	pH	7.95		
W23 (MB25)	Quarterly	Standing Water Level	26.1	m	

Published:	13/07/2017				
Sampled:	6/06/2017			**Licensee:**	Sumitomo Metal Mining Oceana P/L
Obtained:	12/06/2017				CMOC Mining Pty Ltd
					SC Mineral Resources Pty Ltd
				EPL No.:	4784

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W25 (MB27)	Quarterly	Conductivity	1396	µS/cm	The Q2 2017 water monitoring results for W25 bore are inline with historical water quality. There was a significant increase in the standing water level from previous quarter which was 2.5 m. The conductivity concentration decreased slighty from the last quarter, conductivity was 1410 µS/cm. The copper and pH concentrations also decreased from the last quarter. Copper concentrations recorded 0.068 mg/L and pH 9.17
W25 (MB27)	Quarterly	Copper	0.016	mg/L	
W25 (MB27)	Quarterly	pH	8.85		
W25 (MB27)	Quarterly	Standing Water Level	2.4	m	

Published:	13/07/2017				
Sampled:	6/06/2017			**Licensee:**	Sumitomo Metal Mining Oceana P/L
Obtained:	12/06/2017				CMOC Mining Pty Ltd
					SC Mineral Resources Pty Ltd
				EPL No.:	4784

Sampling point	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
W20 (MB22)	Quarterly	Conductivity	15980	µS/cm	The Q2 2017 water monitoring results for W20 bore are inline with historical water quality. There was an decrease in conductivity concentrations from previous quarter which was 16750 µS/cm. The copper concentrations decreased to the previous quarter which recorded 0.041 mg/L. pH also decreased slightly from last reporting period which recorded 7.95. There was an increase in the standing water level from previous quarter which was 16.2 m.
W20 (MB22)	Quarterly	Copper	0.015	mg/L	
W20 (MB22)	Quarterly	pH	7.64		
W20 (MB22)	Quarterly	Standing Water Level	17.85	m	