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Licensee: Sumitomo Metal Mining Oceana P/L

CMOC Mining Pty Ltd

SC Mineral Resources Pty Ltd

EPL No.: 4784

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
1 (W14)	Quarterly	Conductivity	8733.4	μ\$/cm	
		Copper	0.006	mg/L	The Q3 2018 water monitoring results for W14 bore are inline with
		pH Standing Water Level	7.38 263.66	m	historical water quality results. There is an increase (+43cm) in the relative standing water level from the previous quarter which was 263.23m. The conductivity decreased (-1025.3µS/cm) from last quater which recorded 9758.8µS/cm. The pH decreased (-0.04) from last quarter which was 7.42 and the copper concentration decreased (-0.02mg/L) from the last reporting period, which was 0.008mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.
2 (W19)	Quarterly	Conductivity	5877.1	μS/cm	
		Copper	0.02	mg/L	The Q3 2018 water monitoring results for W19 bore are inline with
		pH Standing Water Level	7.61 245.51	m	historical water quality. There is an increase (+18cm) in the relativ standing water level from previous quarter which was 245.33m. The conductivity decreased slightly (-110.9µ\$/cm) from last quater which recorded 5988µ\$/cm. The pH decreased (-0.09) from last quarter which was 7.7 and the copper concentration increased (+0.012mg/L) from last reporting period, which was 0.008mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
3 (W21)	Quarterly	Conductivity	12966.7	μS/cm	
		Copper	0.005	mg/L	The Q3 2018 water monitoring results for W21 bore are inline with historical water quality. There is a decrease (-13cm) in the relative standing water level from previous quarter which was 268.14m. The conductivity decreased (-785.7µS/cm) from last quater which recorded 13752.4µS/cm. The pH slightly decreased (-0.03) from last quarter which was 11.05. Copper concentration decreased (-0.001mg/L) from the last reporting period, which was 0.006 mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.
		рН	10.75		
		Standing Water Level	268.14	m	
4 (W23)	Quarterly	Conductivity	17265.8	μ\$/cm	
		Copper	0.133	mg/L	The O2 2019 waster manifering regults for W/22 have are mostly inline
		pH Standing Water Level	7.66 258.36	m	The Q3 2018 water monitoring results for W23 bore are mostly inline with historical water quality. There is an increase (+45cm) in the relative standing water level from the previous quarter which was 257.91m. The conductivity decreased (-1087.2µS/cm) from the last quater which recorded 18353µS/cm. The pH slightly decreased (-0.03) from the last reporting period, which was 7.69 and the copper concentration increased significantly (+0.124mg/L) from the last reporting period, which was 0.009 mg/L. The copper concentration result was well above historic results and is expected to be caused by either a contaminated sample or lab error. This monitoring bore will be sampled again in Q4 as to help identifythe source of the abnormal result.
5 (W25)	Quarterly	Conductivity	1212.2	μ\$/cm	
		Copper	0.016	mg/L	The Q3 2018 water monitoring results for W25 bore are inline with
		pH Standing Water Level	8.16 282.97	m	historical water quality. There is a decline (-35cm) in the relative standing water level from previous quarter which was 283.32m. The conductivity slightly decreased (-179µS/cm) from last quater which recorded 1391.2µS/cm. The pH decreased (-0.11) from last quarter which was 8.27 and the copper concentration decreased (-0.02mg/L) from the last reporting period, which was 0.018 mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.

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6 (W20)	Quarterly	Conductivity	13578.8	μS/cm	
		Copper	0.009	mg/L	The Q3 2018 water monitoring results for W20 bore are inline with
		pH Standing Water Level	7.39 265.88	m	historical water quality. There is a increase (+14cm) in the relative standing water level from the previous quarter which was 265.74m. The conductivity decreased (-1249.1µS/cm) from last quater which recorded 14827.9.2µS/cm. The pH increased (+0.15) from the last quarter which was 7.24 and the copper concentration increased (+0.003mg/L) from the last reporting period, which was 0.006 mg/L. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.