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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 Copper pH  Standing Water Level	8733.4 0.006 7.38  263.66	$\mu\text{S/cm}$ mg/L   m	The Q3 2018 water monitoring results for W14 bore are inline with 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 (-1025.3 $\mu\text{S/cm}$ ) from last quarter which recorded 9758.8 $\mu\text{S/cm}$ . The pH decreased (-0.04) from last quarter which was 7.42 and the copper concentration decreased (-0.002mg/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 Copper pH  Standing Water Level	5877.1 0.02 7.61  245.51	$\mu\text{S/cm}$ mg/L   m	The Q3 2018 water monitoring results for W19 bore are inline with historical water quality. There is an increase (+18cm) in the relative standing water level from previous quarter which was 245.33m. The conductivity decreased slightly (-110.9 $\mu\text{S/cm}$ ) from last quarter which recorded 5988 $\mu\text{S/cm}$ . 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 Copper pH  Standing Water Level	12966.7 0.005 10.75  268.14	$\mu\text{S/cm}$ mg/L   m	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 (-785.7 $\mu\text{S/cm}$ ) from last quarter which recorded 13752.4 $\mu\text{S/cm}$ . 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.
4 (W23)	Quarterly	Conductivity Copper pH  Standing Water Level	17265.8 0.133 7.66  258.36	$\mu\text{S/cm}$ mg/L   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 (-1087.2 $\mu\text{S/cm}$ ) from the last quarter which recorded 18353 $\mu\text{S/cm}$ . 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 identify the source of the abnormal result.
5 (W25)	Quarterly	Conductivity Copper pH  Standing Water Level	1212.2 0.016 8.16  282.97	$\mu\text{S/cm}$ mg/L   m	The Q3 2018 water monitoring results for W25 bore are inline with 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 (-179 $\mu\text{S/cm}$ ) from last quarter which recorded 1391.2 $\mu\text{S/cm}$ . 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 Copper pH	13578.8 0.009 7.39	$\mu\text{S}/\text{cm}$ mg/L	<p>The Q3 2018 water monitoring results for W20 bore are inline with 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 (-1249.1<math>\mu\text{S}/\text{cm}</math>) from last quater which recorded 14827.9.2<math>\mu\text{S}/\text{cm}</math> . 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.</p> <p>These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.</p>
		Standing Water Level	265.88	m	