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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	7410 0.01 7.26  264.74	µS/cm mg/L  m	The Q3 2019 water monitoring results for W14 bore are in line with historical water quality results. There is an increase (+24cm) in the relative standing water level from the previous quarter which was 264.5m. The conductivity decreased (-1634µS/cm) from last quarter which recorded 9044µS/cm and copper concentration remained the same as the last reporting period, which was 0.01mg/L. The pH decreased (-0.10) from last quarter which was 7.36. 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	7440 0.014 7.7  246.92	µS/cm mg/L  m	The Q3 2019 water monitoring results for W19 bore are in line with historical water quality results. There is an increase (+41 cm) in the relative standing water level from previous quarter which was 246.51m. The conductivity increased (+1050µS/cm) from last quarter which recorded 6390µS/cm. Copper concentration increased (+0.003mg/L) from the previous reporting period, recording 0.011mg/L. The pH increased (+0.18) from last quarter which was 7.52. 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	12532 0.006 10.8  268.5	$\mu\text{S/cm}$ mg/L   m	The Q3 2019 water monitoring results for W21 bore are in line with historical water quality results. There is an increase (+16cm) in the relative standing water level from previous quarter which was 268.34m. Conductivity decreased (-2079 $\mu\text{S/cm}$ ) from last quarter which recorded 14611 $\mu\text{S/cm}$ . Copper concentration slightly decreased (-0.004mg/L) from the last reporting period, which recorded 0.01 mg/L. pH recorded a 0.11 decrease from last quarter which was 10.91. 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	16847 0.011 6.9  259.43	$\mu\text{S/cm}$ mg/L   m	The Q3 2019 water monitoring results for W23 bore are in line with historical water quality results. There is an increase (+28cm) in the relative standing water level from the previous quarter which was 259.15m. The conductivity decreased (-3734 $\mu\text{S/cm}$ ) from the last quarter which recorded 20581 $\mu\text{S/cm}$ . Copper concentration increased (+0.038mg/L) from the last reporting period, which was 0.049 mg/L. pH recorded a slight increase (+0.03) from last quarter which was 6.87. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.
5 (W25)	Quarterly	Conductivity Copper pH  Standing Water Level	1642 0.015 8.32  280.41	$\mu\text{S/cm}$ mg/L   m	The Q3 2019 water monitoring results for W25 bore are in line with historical water quality results. There was a decrease (-152cm) in the relative standing water level from previous quarter which was 281.93m. The conductivity increased (+122 $\mu\text{S/cm}$ ) from last quarter which recorded 1520 $\mu\text{S/cm}$ and copper concentration decreased (-0.004mg/L) from the last reporting period, which was 0.019mg/L. pH recorded a slight increase (+0.25) from last quarter which was 8.07. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.

6 (W20)	Quarterly	Conductivity Copper pH	12585 0.008 7.2	μS/cm mg/L	<p>The Q3 2019 water monitoring results for W20 bore are in line with historical water quality results. There is an increase (+18cm) in the relative standing water level from the previous quarter which was 266.1m. The conductivity decreased (-2161μS/cm) from last quarter which recorded 14746μS/cm. Copper concentration decreased slightly (-0.002mg/L) from the last reporting period, which was 0.01 mg/L. pH recorded a slight increase (+0.28) from last quarter which was 6.92. These minor variances are typically the result of natural groundwater migrations and are homogenous with previous reporting periods.</p>
		Standing Water Level	266.28	m	