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CMOC



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Quarter 3 2021

EPL No.: 4784

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
1 (W14)	Quarterly	Conductivity Copper pH	- - -	µS/cm mg/L	Pollution monitoring of W14 was not able to be undertaken during the reporting period as a result of a regulatory imposed exclusion area, following concerns with TSF2. The EPA have been regularly consulted on the issue, including the restricted access to the monitoring locations, and have been advised that monitoring will recommence following the removal of the exclusion area.
		Standing Water Level	-	m	
2 (W19)	Quarterly	Conductivity Copper pH	6,076 0.001 7.63	µS/cm mg/L	The Q3 2021 water monitoring results for W19 bore are in line with historical water quality results. Since the previous monitoring period, and unless stated, results remain within internal trigger values: - Conductivity increased 103 µS/cm (previously 5,973 µS/cm). - Copper concentration remained the same at 0.001 mg/L. - pH decreased 0.15 (previously 7.78). - Relative standing water level increased 0.59 m (previously 250.96 m). These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.
		Standing Water Level	251.55	m	

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
3 (W21)	Quarterly	Conductivity Copper pH Standing Water Level	21,326 0.018 7.67 268.35	μS/cm mg/L m	<p>The Q3 2021 water monitoring results for W21 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 by 3,571 μS/cm (previously 24,897), remaining above the Stage 1 trigger value. - Copper concentration decreased slightly by 0.003 mg/L (previously 0.021). - pH decreased by 0.52 (previously 8.19) and below the Stage 2 trigger level of 10.6 for the second consecutive period. The result is following the implementation of a low flow sampling methodology and will be monitored throughout the remainder of the 2021 reporting period with actions reassessed if ongoing instability occurs. - Relative standing water level decreased 0.07 m (previously 268.42) <p>All other minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>
4 (W23)	Quarterly	Conductivity Copper pH Standing Water Level	- - - -	μS/cm mg/L m	<p>Pollution monitoring of W23 was not able to be undertaken during the reporting period as a result of a regulatory imposed exclusion area, following concerns with TSF2. The EPA have been regularly consulted on the issue, including the restricted access to the monitoring locations, and have been advised that monitoring will recommence following the removal of the exclusion area.</p>

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
5 (W25)	Quarterly	Conductivity Copper pH Standing Water Level	2,066 0.065 7.88 284.18	μS/cm mg/L m	<p>The Q3 2021 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 88 μS/cm (previously 2,154 μS/cm). - Copper concentration increased 0.009 mg/L (previously 0.056 mg/L) and remains above the Stage 2 trigger level of 0.03 mg/L. The result is following the implementation of a low flow sampling methodology and will be monitored throughout the remainder of the 2021 reporting period with actions reassessed if ongoing instability occurs. - pH decreased 0.17 (previously 8.05). - Relative standing water level increased 0.36 m (previously 283.82 m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>
6 (W20)	Quarterly	Conductivity Copper pH Standing Water Level	12,647 0.018 7.56 266.96	μS/cm mg/L m	<p>The Q3 2021 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 increased slightly by 230 μS/cm (previously 12,417 μS/cm). - Copper concentration remained the same at 0.018 mg/L. - pH increased 0.35 (previously 7.21). - Relative standing water level slightly increased 0.12 m (previously 266.84m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>