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Quarter 2 2021

EPL No.: 4784

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
1 (W14)	Quarterly	Conductivity	6.477	µS/cm	<p>The Q2 2021 water monitoring results for W14 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 increased 1,448 µS/cm (previously 5,029 µS/cm). - Copper concentration increased 0.001 mg/l. - pH levels increased by 0.25 (previously 7.06). Following the adoption of a low flow sampling method in Q1 2021, the result is slightly above the Stage 2 trigger level of 7.30. The results will be monitored throughout the remainder of the 2021 reporting period and actions to be reassessed if ongoing instability occurs. - Relative standing water level increased marginally 0.03 m (previously 266.28m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>
		Copper	0.016	mg/L	
pH	7.31				
		Standing Water Level	266.31	m	
2 (W19)	Quarterly	Conductivity	5.973	µS/cm	<p>The Q2 2021 water monitoring results for W19 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 1,705 µS/cm (previously 4,268 µS/cm). - Copper concentration decreased 0.004 mg/L (previously 0.005). - pH increased 0.86 (previously 6.92). - Relative standing water level increased 0.64 m (previously 250.32 m). <p>These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.</p>
		Copper	0.001	mg/L	
pH	7.78				
		Standing Water Level	250.96	m	

EPA Identification no.	Monitoring Frequency	Pollutant	Measurement	Unit	Comments
3 (W21)	Quarterly	Conductivity Copper pH	24,897 0.021 8.19	µS/cm mg/L	The Q2 2021 water monitoring results for W21 bore are largely in line with historical water quality results. Since the previous monitoring period, and unless stated, results remain within internal trigger values: - Conductivity increased significantly by 6,353 µS/cm (previously 18,544) and greater than the Stage 2 trigger level of 21,612 µS/cm. 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. - Copper concentration increased slightly by 0.012 mg/L (previously 0.009). - pH decreased by 0.68 (previously 8.87) 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 0.02 m (previously 268.40) All other minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.
4 (W23)	Quarterly	Conductivity Copper pH	15,771 0.014 6.82	µS/cm mg/L	The Q2 2021 water monitoring results for W23 bore are largely in line with historical water quality results. Since the previous monitoring period, and unless stated, results remain within internal trigger values: - Conductivity increased by 3,494 µS/cm previously (12,277 µS/cm). - Copper concentration decreased 0.010 mg/L (previously 0.024 mg/L). Copper result has decreased below the Stage 1 trigger level from the previous quarter. - pH increased 0.20 (previously 6.62). - Relative standing water level increased by 0.31 m (previously 260.78m). These variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.
		Standing Water Level	268.42	m	
		Standing Water Level	261.09	m	

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5 (W25)	Quarterly	Conductivity Copper pH	2,154 0.056 8.05	µS/cm mg/L	The Q2 2021 water monitoring results for W25 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 445 µS/cm (previously 1,708 µS/cm). - Copper concentration increased 0.03 mg/L (previously 0.028 mg/L) and significantly 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 increased 1.16 (previously 6.89). - Relative standing water level increased 0.52 m (previously 283.3 m). These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.
		Standing Water Level	283.82	m	
6 (W20)	Quarterly	Conductivity Copper pH	12,417 0.018 7.21	µS/cm mg/L	The Q2 2021 water monitoring results for W20 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 significantly 2,920 µS/cm (previously 9,497 µS/cm). - Copper concentration increased 0.003mg/L (previously 0.015 mg/L). - pH decreased 0.51 (previously 6.70). - Relative standing water level slightly decreased 0.10 m (previously 266.74m). These minor variances are typically the result of natural groundwater migrations and are comparable with previous reporting periods.
		Standing Water Level	266.84	m	