



Licence No 4627 Publication of Monitoring Data
M8 St Peters Interchange –10-16 Albert Street, St Peters

Disclaimer: In NSW, section 66(6) of the Protection of the Environment Operations Act 1997 (POEO Act) requires holders of environment protection licences to make their pollution monitoring data publicly available.

Link to licence on EPA website;

https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=237009&SYSUID=1&LICID=4627

Ambient Monitoring – Groundwater Quality

EPL No: 4627
Date of Sampling: 20 November 2023, 7, 8, 12, 13 December 2023
Date Received: 28 March 2024
Date of Publication: 5 April 2024

Table with 14 columns: Pollutant, Unit, Frequency, Monitoring Point (EPA Identification Number), and 10 specific monitoring points (LDS-BH-3057B to LDS-BH-3907A). Rows include pollutants like Alkalinity, Ammonia, Bicarbonate, Calcium, Chloride, Electrical Conductivity, Fluoride, and Magnesium.

Pollutant	Unit	Frequency	Monitoring Point (EPA Identification Number)											
			LDS-BH-3057B (2)	LDS-BH-3059B (3)	LDS-BH-3087 (4)*	LDS-BH-3088 (5)*	LDS-BH-3089A (6)	LDS-BH-3090 (7)	LDS-BH-3091A (8)	LDS-GW-MW3 (9)	MW4D (10)	WCX-BH157A (11)	LDS-BH-3907A (12)	
Nitrate	milligrams per litre	Quarterly		0.034	<0.05	<0.025	0.073	0.005	0.03	<0.1	0.31	0.023	0.046	
Nitrite	milligrams per litre	Quarterly	NR1 - Well inaccessible due to Gateway Construction works	<0.005	<0.005	<0.005	0.019	<0.005	<0.005	<0.005	<0.005	0.13	<0.005	0.013
pH	pH units	Quarterly		6.76	7.07	7.07	6.95	6.34	6.64	6.83	7.08	6.45	6.88	
Phosphorus	milligrams per litre	Quarterly		0.22	0.71	0.91	0.42	0.07	1.9	0.23	0.23	0.78	0.49	
Potassium	milligrams per litre	Quarterly		67	230	150	39	24	16	41	12	5.7	35	
Redox Potential	millivolts	Quarterly		-85.2	-112.3	-63.6	-138.9	-185.6	-92.1	-207.9	-83.4	-241.1	-109.6	
Sodium	milligrams per litre	Quarterly		450	1400	690	230	130	130	2800	740	79	280	
Sulphate	milligrams per litre	Quarterly		1300	8.4	6.6	180	260	64	2000	120	37	160	
Standing Water Level	Metres AHD	Quarterly		-	6.335	11.815	6.335	6.955	3.77	13.79	-	20.87	9.41	
Temperature	Degrees Celsius	Quarterly		20.5	21.9	23.8	21.9	25.2	21.7	21.8	25.7	25.7	23.1	
Total Dissolved Solids	milligrams per litre	Quarterly		3100	4600	2900	970	880	760	12000	2500	330	1600	
Total Organic Carbon	milligrams per litre	Quarterly		28	97	53	5.6	14	17	6.5	4.9	9.2	20	

NOTES:

- EPL - Environment Protection Licence
- < - less than
- mAHD - metres Australian Height Datum

LDS-BH-3087 (4)\* and LDS-BH-3088 (5)\* - these bores are screened into waste and results are leachate and not groundwater.