



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. Accordingly, the monitoring data below is provided to meet Transport for NSW (TfNSW) obligations under section 66(6) the POEO Act and any associated guidance documentation published by the Environment Protection Authority ([www.epa.nsw.gov.au](http://www.epa.nsw.gov.au)). TfNSW recognises that the intent of section 66(6) of the POEO Act is to improve the general public's access to information about the environmental performance of licensed facilities. To the best of TfNSW's knowledge, the data contained in this document is as accurate as possible. No material in this document is to be reproduced or published elsewhere in any form without TfNSW's prior written consent.

Link to licence on EPA website;

<https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=194233&SYSUID=1&LICID=4627>

**Ambient Monitoring – Groundwater Quality**

EPL No: 4627

Date of Sampling 24, 25 and 26 March 2021

Date Received

20 April 2021

Date of Publication 7 May 2021

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)
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	790	830	570	420	280	No Access	360	480	710	58	520
Ammonia	milligrams per litre	Quarterly	12	7.8	170	180	2.8		7.3	1.3	2.2	0.04	4.0
Bicarbonate	milligrams per litre	Quarterly	790	830	570	420	280		360	480	710	58	520
Calcium	milligrams per litre	Quarterly	87	420	66	55	270		100	400	120	6.2	47
Chloride	milligrams per litre	Quarterly	230	300	1200	870	230		89	5300	1800	14	200
Electrical Conductivity	Microsiemens per centimetre	Quarterly	3276	6472	10128	7167	2920		1201	16529	8685	261.7	1841
Fluoride	milligrams per litre	Quarterly	0.97	0.76	0.47	0.38	3.4		0.34	0.27	0.24	<0.1	0.74
Magnesium	milligrams per litre	Quarterly	68	160	47	38	33		18	460	70	1.1	24
Nitrate	milligrams per litre	Quarterly	<0.025	<0.05	<0.05	<0.05	<0.025		0.014	<0.1	<0.05	<0.005	0.024
Nitrite	milligrams per litre	Quarterly	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
pH	pH units	Quarterly	7.21	7.06	7.26	7.12	7.34		6.73	6.55	7.10	7.07	6.92

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)
Phosphorus	milligrams per litre	Quarterly	0.34	0.46	0.77	0.65	0.26		1.5	1.8	0.15	0.36	0.79
Potassium	milligrams per litre	Quarterly	60	52	230	190	62		14	38	15	1.2	26
Redox Potential	millivolts	Quarterly	-255.1	-119.6	-104.2	82.8	-122.3		-103.9	-58.5	-81.9	-108.9	-82.5
Sodium	milligrams per litre	Quarterly	430	790	1700	1100	1200		83	3000	1400	42	310
Sulphate	milligrams per litre	Quarterly	350	2100	6.9	4.9	800		24	1000	84	5.6	40
Standing Water Level	Metres below top of casing	Quarterly	2.92	0.88	19.97	10.16	5.21		3.46	13.77	27.10	15.07	9.48
Temperature	Degrees Celsius	Quarterly	24.9	21.1	29.5	28.4	24.0		23.0	22.0	21.0	20.4	22.8
Total Dissolved Solids	milligrams per litre	Quarterly	1800	4700	5000	3300	2000		600	12000	3600	95	2000
Total Organic Carbon	milligrams per litre	Quarterly	27	50	140	86	12		34	13	7.6	4	34

NOTES:

- EPL - Environment Protection Licence
- < - less than
- No Access - well was inaccessible due to continuing construction activities blocking access that couldn't be resolved in time for the monitoring event.

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