

Environment Protection Licence Monitoring Data

Project Name:	WestConnex Stage 3A - M4-M5 Link Mainline Tunnels
Monitoring Period:	12 October 2022 – 31 January 2023**
Licensee:	Acciona Infrastructure Projects Australia Pty Ltd, Samsung C&T Corporation, Bouygues Construction Australia Pty Ltd
Environment Protection Licence Number:	21616
Premise Address:	St Peters Interchange – M4-M5 Link Tunnels Project. 16 Albert St, St Peters, NSW 2044.
Public Register:	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21616&id=21616&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued

Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point: 1 – WestConnex M4-M5 Link Tunnels Operational Water Treatment Plant at St Peters.

1. Water Treatment Plant Commissioned to Process Groundwater

No.	Date Sampled	TSS (mg/L)	pH	Cadmium (mg/L)	Chromium (VI) (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Ammonia (mg/L)	Benzene (mg/L)	Monitoring Frequency	Comment
		10	7 – 8.5	0.0007	0.0044	0.3	0.0044	1.9	0.0001	0.07	0.015	0.91	0.5	N/A	Licence Limit
1.	18/10/2022	<0.1	7.49	<0.0001	0.006	<0.05	<0.001	<0.001	<0.0001	0.002	<0.005	1.33	<0.001	Monthly	Non-Compliant
2.	17/11/2022	0.6	7.29	<0.0001	0.006	<0.05	<0.001	<0.001	<0.0001	0.001	<0.005	0.08	<0.001	Monthly	Non-Compliant
3.	14/12/2022	<0.1	7.6	<0.0001	0.004	<0.05	<0.001	0.003	<0.0001	0.003	<0.005	0.09	<0.001	Monthly	Compliant
4.	10/01/2023	0.7	7.67	<0.0001	0.003	<0.01	<0.001	0.01	<0.00005	0.002	0.003	0.025	<0.001	Monthly	Compliant

2. Explanation of Exceedances

18/10/2022: Monthly WTP samples were taken on the 18/10/2022. Results were received on 25/10/2022 and returned elevated ammonia and Chromium (VI) results in excess of the EPL criteria. The Operational WTP is currently undertaking its Pollution Reduction Program (PRP).

17/11/2022: Monthly WTP samples were taken on the 17/11/2022. Results were received on 25/11/2022 and returned elevated Chromium (VI) results in excess of the EPL criteria. It is of note that the Total Chromium for both samples on 18/10/22 and 17/11/22 returned a result below 0.0044mg/L with these anomalies being investigated with the sampling laboratory. The Operational WTP is currently undertaking its Pollution Reduction Program (PRP).

** EPL 21616 was handed over to WestConnex on 20th January 2023 at the commencement of tunnel operation. WestConnex is now the licence holder for all operations under EPL 21616.