

Environment Protection Licence Monitoring Data

Project name:	WestConnex – New M5		
Licensee	CPB Contractors Pty Limited		
Monitoring period	June 2020		
Website:	https://www.westconnex.com.au/NewM5Environment		
Environment Protection licences:	20772	4627	21351
Premise addresses	WestConnex New M5, between Beverly Hills and St Peters, Beverly Hills NSW 2209	New M5 St Peters Interchange, 10-16 Albert Street, St Peters NSW 2044	Operational Water Treatment Plant M8 – Motorway Operations Complex 3 Arncliffe NSW 2205

Monitoring Type: Water Discharge Monitoring (4627 and 20772)

Discharge/Monitoring Point	Date sampled	Total suspended solids		pH		Oil & Grease		Monitoring frequency	Comment
		Licence limit	Result *	Licence limit	Result	Licence limit	Result		
Sediment Basin SPI-4	1/06/2020	50	30	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/06/2020	50	6.7	6.5-8.5	7.68	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	3/06/2020	50	5.9	6.5-8.5	7.66	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	4/06/2020	50	20	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/06/2020	50	5.98	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	5/06/2020	50	6.1	6.5-8.5	7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/06/2020	50	6.1	6.5-8.5	8.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	7/06/2020	50	4.2	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	8/06/2020	50	30	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/06/2020	50	2.8	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	9/06/2020	50	30	6.5-8.5	7.3	None visible	None	Each discharge	Compliant

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Discharge/Monitoring Point	Date sampled	Total suspended solids		pH		Oil & Grease		Monitoring frequency	Comment
		Licence limit	Result *	Licence limit	Result	Licence limit	Result		
Water Treatment Plant ARN-2	9/06/2020	50	12.5	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	10/06/2020	50	2.5	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	11/06/2020	50	30	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	11/06/2020	50	2	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	12/06/2020	50	10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	13/06/2020	50	20	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	14/06/2020	50	40	6.5-8.5	7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	14/06/2020	50	20	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	15/06/2020	50	10	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	16/06/2020	50	20	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/06/2020	50	10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	17/06/2020	50	30	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	17/06/2020	50	10	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	18/06/2020	50	40	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/06/2020	50	10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	19/06/2020	50	30	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/06/2020	50	29	6.5-8.5	6.57	None visible	None	Each discharge	Compliant

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Discharge/Monitoring Point	Date sampled	Total suspended solids		pH		Oil & Grease		Monitoring frequency	Comment
		Licence limit	Result *	Licence limit	Result	Licence limit	Result		
Water Treatment Plant ARN-2	20/06/2020	50	29	6.5-8.5	7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	22/06/2020	50	30	6.5-8.5	6.55	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	23/06/2020	50	30	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	24/06/2020	50	20	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Sediment Basin SPI-4	25/06/2020	50	20	6.5-8.5	7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/06/2020	50	32	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/06/2020	50	32	6.5-8.5	6.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/06/2020	50	30	6.5-8.5	6.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/06/2020	50	30	6.5-8.5	7.44	None visible	None	Each discharge	Compliant

* A correlation between TSS and Turbidity has been established. Including a safety factor, the turbidity limit is 50NTU.

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Monitoring Type: Water Discharge Monitoring (21351)

Environment protection licence 21351 was issued by the EPA on 30/04/2020 for the operational water treatment plant at Motorway Operations Complex 3 (Arncliffe). A Sampling and Analyte plan was submitted to the EPA on 08/05/2020 for monitoring in accordance with Condition U1. Advice from the EPA is pending and as such, sampling under this condition (U1) did not commence in this period. The operational water treatment plant was not in-use for approximately 10 days in late June. No water was processed during this time. The sample for June was collected when the plant recommenced operation on 1 July 2020.

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM Concentration limit	100 Percentile concentration limit	Measured	Compliant
Aluminium	micrograms per litre	500	600			180	Yes
Cobalt	micrograms per litre	2.8	8.0			1.4	Yes
Copper	micrograms per litre	2.9	10.3			1.3	Yes
Manganese	micrograms per litre	2000	10600			1110	Yes
pH	pH units				6.5-8.5	7.25	Yes
TRH C10-C16	micrograms per litre	<100	<100			640	Above 90%.
TRH C16-C34 (F3)	micrograms per litre	<100	<100			110	Yes
TRH C34-C40 (F4)	micrograms per litre	<100	<100			<100	Yes
Turbidity	nephelometric turbidity units				25	2.0	Yes
Zinc	micrograms per litre	48	150			4.0	Yes

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Monitoring Type: Dust Monitoring (EPL 4627)

Monitoring Point / EPA Identification point (EPL 4627)	Start Date	Finish Date	Dust Deposition g/m2/day	Comment
DG01	26/05/2020	30/06/2020	7.4	
DG02	26/05/2020	30/06/2020	3.1	
DG03	26/05/2020	-	-	No area available for gauge
DG04	26/05/2020	30/06/2020	2.7	