

Environment Protection Licence Monitoring Data

Project name:	WestConnex – New M5	
Licensee	CPB Contractors Pty Limited	
Monitoring period	May 2018	
Website:	https://www.westconnex.com.au/NewM5Environment	
Environment Protection licence number/s:	20772	4627
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

Monitoring Type: Water Discharge Monitoring

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	1/05/2018	50	*10	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	1/05/2018	50	*2.77	6.5-8.5	6.97	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	1/05/2018	50	*0.7	6.5-8.5	8.14	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	1/05/2018	50	<*10	6.5-8.5	7.38	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/05/2018	50	*9.2	6.5-8.5	6.77	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	2/05/2018	50	*3.10	6.5-8.5	6.99	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	2/05/2018	50	*0.7	6.5-8.5	8.21	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	2/05/2018	50	*<10	6.5-8.5	7.39	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	3/05/2018	50	*4.8	6.5-8.5	7.44	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	3/05/2018	50	*1.56	6.5-8.5	6.94	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	3/05/2018	50	*0.8	6.5-8.5	7.65	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 SPI-2	3/05/2018	50	*15	6.5-8.5	7.34	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/05/2018	50	*5.9	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	4/05/2018	50	*1.38	6.5-8.5	7.55	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	4/05/2018	50	*1.6	6.5-8.5	7.65	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	4/05/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	5/05/2018	50	*3.6	6.5-8.5	7.32	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	5/05/2018	50	*1.10	6.5-8.5	6.85	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	5/05/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/05/2018	50	*4.0	6.5-8.5	7.19	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	6/05/2018	50	*0.57	6.5-8.5	6.89	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	6/05/2018	50	*<10	6.5-8.5	7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	7/05/2018	50	*6	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	7/05/2018	50	*0.93	6.5-8.5	6.86	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	7/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/05/2018	50	*11.5	6.5-8.5	7.73	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	8/05/2018	50	*1.73	6.5-8.5	6.88	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	8/05/2018	50	*1.1	6.5-8.5	8.4	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 SPI-2	8/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	9/05/2018	50	*11.91	6.5-8.5	7.44	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	9/05/2018	50	*2.68	6.5-8.5	6.89	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	9/05/2018	50	*2.0	6.5-8.5	7.67	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	9/05/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	10/05/2018	50	*2.91	6.5-8.5	8.11	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	10/05/2018	50	*1.98	6.5-8.5	6.92	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	10/05/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	11/05/2018	50	*9	6.5-8.5	7.57	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	11/05/2018	50	*2.92	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	11/05/2018	50	*<10	6.5-8.5	7.77	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	12/05/2018	50	*3.2	6.5-8.5	7.71	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	12/05/2018	50	*2.46	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	12/05/2018	50	*<10	6.5-8.5	7.34	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	13/05/2018	50	*3.7	6.5-8.5	7.57	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	13/05/2018	50	*2.70	6.5-8.5	6.92	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	13/05/2018	50	*<10	6.5-8.5	7.26	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	14/05/2018	50	*38	6.5-8.5	8.04	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	14/05/2018	50	*0.93	6.5-8.5	7.02	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	14/05/2018	50	*0.6	6.5-8.5	7.62	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	14/05/2018	50	*<10	6.5-8.5	7.63	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	15/05/2018	50	*8	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	15/05/2018	50	*1.65	6.5-8.5	6.72	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	15/05/2018	50	*0.6	6.5-8.5	7.49	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	15/05/2018	50	*<10	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/05/2018	50	*3.7	6.5-8.5	7.12	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	16/05/2018	50	*1.38	6.5-8.5	8.03	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	16/05/2018	50	*1.4	6.5-8.5	7.56	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	16/05/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	17/05/2018	50	*3.89	6.5-8.5	7.46	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	17/05/2018	50	*1.22	6.5-8.5	7.17	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	17/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/05/2018	50	*3.4	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	18/05/2018	50	*1.03	6.5-8.5	7.01	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 SPI-2	18/05/2018	50	*<10	6.5-8.5	7.03	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/05/2018	50	*5.3	6.5-8.5	7.44	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	19/05/2018	50	*0.77	6.5-8.5	7.03	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	19/05/2018	50	*<10	6.5-8.5	6.94	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	20/05/2018	50	*3.6	6.5-8.5	7.32	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	20/05/2018	50	*0.92	6.5-8.5	7.14	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	20/05/2018	50	*<10	6.5-8.5	7.17	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	21/05/2018	50	*4.87	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	21/05/2018	50	*4.93	6.5-8.5	8.31	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	21/05/2018	50	*<10	6.5-8.5	7.27	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	22/05/2018	50	*5.48	6.5-8.5	7.47	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	22/05/2018	50	*1.75	6.5-8.5	7.76	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	22/05/2018	50	*<10	6.5-8.5	7.26	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	23/05/2018	50	*8	6.5-8.5	7.21	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	23/05/2018	50	*1.67	6.5-8.5	7.98	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	23/05/2018	50	*<10	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	24/05/2018	50	*3.4	6.5-8.5	7.26	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 BED-1	24/05/2018	50	*4.36	6.5-8.5	7.26	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	24/05/2018	50	*3.0	6.5-8.5	7.81	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	24/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	25/05/2018	50	*10	6.5-8.5	7.61	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	25/05/2018	50	*5.70	6.5-8.5	6.63	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	25/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/05/2018	50	*6.5	6.5-8.5	7.62	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	26/05/2018	50	*3.49	6.5-8.5	6.74	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	26/05/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/05/2018	50	*4.8	6.5-8.5	7.75	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	27/05/2018	50	*3.02	6.5-8.5	6.65	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	27/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/05/2018	50	*8	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	28/05/2018	50	*4.43	6.5-8.5	6.69	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	28/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/05/2018	50	*5.04	6.5-8.5	8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	29/05/2018	50	*3.61	6.5-8.5	6.71	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 SPI-2	29/05/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	30/05/2018	50	*3.06	6.5-8.5	7.33	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	30/05/2018	50	*12.85	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	30/05/2018	50	*6.2	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	30/05/2018	50	*<10	6.5-8.5	7.52	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	31/05/2018	50	*5.72	6.5-8.5	7.84	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	31/05/2018	50	*9.77	6.5-8.5	7.55	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	31/05/2018	50	*1.8	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	31/05/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant

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

Environment Protection Licence Monitoring Data

Monitoring Type:

Dust Monitoring (EPL 4627)

Monitoring Point / EPA Identification point (EPL 4627)	Start Date	Finish Date	Dust Deposition g/m ² /month	Comment
SG01	11/04/2018	08/05/18	7.9	
SG02	11/04/2018	08/05/18	6.9	
SG03	11/04/2018	08/05/18	10.7	
SG04	11/04/2018	08/05/18	16.5	

Environment Protection Licence Monitoring Data

Monitoring Type: Ground Vibration Peak Particle Velocity monitoring

Arncliffe Drivers							
Date	Time	Location		Peak Particle Velocity (mm/s)	Licence Limit (mm/s)	Compliant	Comments
2/05/2018	11:34:56 AM	329550.61	6243442.29	3.5	10	Yes	H Section under site
3/05/2018	11:09:25 AM	329550.61	6243442.29	3.9	10	Yes	H Section under site
4/05/2018	9:56:37 AM	329550.61	6243442.29	2.05	10	Yes	H Section under site
4/05/2018	11:56:11 AM	329380.29	6243216.87	2.601	10	Yes	Drive 4
4/05/2018	11:56:11 AM	329430.17	6243354.27	4.852	10	Yes	Drive 4
5/05/2018	9:15:22 AM	329550.61	6243442.29	4.95	10	Yes	H Section under site
7/05/2018	10:32:44 AM	329550.61	6243442.29	2.45	10	Yes	H Section under site

Environment Protection Licence Monitoring Data



Monitoring Type: Odour Monitoring (EPL 4627)

Date	Monitoring Start Time	Monitoring Finish Time	Surveyor	Wind Direct	Locations															Comments
					OM1			OM2			OM3			OM4			OM5			
					Odour (OU)	H ₂ S (ppm)	NH ₃ (ppm)	Odour (OU)	H ₂ S (ppm)	NH ₃ (ppm)	Odour (OU)	H ₂ S (ppm)	NH ₃ (ppm)	Odour (OU)	H ₂ S (ppm)	NH ₃ (ppm)	Odour (OU)	H ₂ S (ppm)	NH ₃ (ppm)	
1/05/2018	3:30:00 PM	4:40:00 PM	SEMA	E-ENE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
2/05/2018	1:50:00 PM	2:42:00 PM	CDSJV	SSE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
3/05/2018	2:16:00 PM	3:23:00 PM	CDSJV	NE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
4/05/2018	2:02:00 PM	2:59:00 PM	CDSJV	WNW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
5/05/2018	2:16:00 PM	3:07:00 PM	CDSJV	E	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
6/05/2018																				No work involving movement or handling of waste was conducted.
7/05/2018	2:06:00 PM	3:03:00 PM	CDSJV	NNW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
8/05/2018	2:10:00 PM	3:10:00 PM	SEMA	WNW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
9/05/2018	2:05:00 PM	2:59:00 PM	CDSJV	WNW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
10/05/2018	2:36:00 PM	3:27:00 PM	CDSJV	NNW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
11/05/2018	3:46:00 PM	4:33:00 PM	CDSJV	WNW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
12/05/2018	1:51:00 PM	2:42:00 PM	CDSJV	WSW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
13/05/2018																				No work involving movement or handling of waste was conducted.
14/05/2018	1:46:00 PM	2:59:00 PM	CDSJV	SSW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
15/05/2018	3:15:00 PM	4:40:00 PM	SEMA	SSE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
16/05/2018	1:59:00 PM	2:53:00 PM	CDSJV	S	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
17/05/2018	2:39:00 PM	3:31:00 PM	CDSJV	ENE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
18/05/2018	2:31:00 PM	3:27:00 PM	CDSJV	SE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
19/05/2018	2:26:00 PM	3:15:00 PM	CDSJV	SE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
20/05/2018																				No work involving movement or handling of waste was conducted.
21/05/2018	2:49:00 PM	3:39:00 PM	CDSJV	W	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
22/05/2018	4:05:00 PM	5:00:00 PM	CDSJV	WSW	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
23/05/2018	2:06:00 PM	2:58:00 PM	CDSJV	E	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
24/05/2018	2:15:00 PM	3:12:00 PM	CDSJV	S	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
25/05/2018	2:36:00 PM	3:29:00 PM	CDSJV	S	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
26/05/2018																				No monitoring was done on the day due to access restrictions from unrelated factory fire on the Princess H/way
27/05/2018																				No work involving movement or handling of waste was conducted.
28/05/2018	2:16:00 PM	3:06:00 PM	CDSJV	SSE	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
29/05/2018	2:06:00 PM	2:56:00 PM	CDSJV	N	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.
30/05/2018	2:04:00 PM	2:52:00 PM	CDSJV	S	ND	0	0	ND	0	0	ND	0	0	ND	0	0	ND	0	0	No detection at all locations.

¹ND = Non-detect ²All monitoring locations are surveyed/ day