

Environment Protection Licence Monitoring Data



Project name:	WestConnex – New M5	
Licensee	CPB Contractors Pty Limited	
Monitoring period	September 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	1/09/2018	50	*6	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	1/09/2018	50	*2.27	6.5-8.5	6.85	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	1/09/2018	50	*0.8	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	1/09/2018	50	*<10	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/09/2018	50	*6.2	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	2/09/2018	50	*1.10	6.5-8.5	6.91	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	2/09/2018	50	*<10	6.5-8.5	7.35	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	3/09/2018	50	*1.0	6.5-8.5	7.17	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	3/09/2018	50	*1.1	6.5-8.5	7.02	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	3/09/2018	50	*<10	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/09/2018	50	*8.1	6.5-8.5	7.46	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	4/09/2018	50	*0.75	6.5-8.5	6.92	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	4/09/2018	50	*5.2	6.5-8.5	7.55	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	4/09/2018	50	*<10	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	5/09/2018	50	*8.4	6.5-8.5	7.52	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	5/09/2018	50	*0.82	6.5-8.5	7.38	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	5/09/2018	50	*3.1	6.5-8.5	7.72	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	5/09/2018	50	*<10	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/09/2018	50	*10.1	6.5-8.5	7.15	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	6/09/2018	50	*0.087	6.5-8.5	7.25	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	6/09/2018	50	*0.4	6.5-8.5	7.73	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	6/09/2018	50	*<10	6.5-8.5	7.75	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	7/09/2018	50	*7.10	6.5-8.5	7.26	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	7/09/2018	50	*1.47	6.5-8.5	7.06	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	7/09/2018	50	*1.4	6.5-8.5	7.72	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	7/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/09/2018	50	*8.5	6.5-8.5	7.24	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	8/09/2018	50	*1.63	6.5-8.5	6.85	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	8/09/2018	50	*<10	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	9/09/2018	50	*5.4	6.5-8.5	7.02	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	9/09/2018	50	*1.33	6.5-8.5	6.93	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	9/09/2018	50	*<10	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	10/09/2018	50	*8.4	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	10/09/2018	50	*1.33	6.5-8.5	6.94	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	10/09/2018	50	*2.8	6.5-8.5	7.72	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	10/09/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	11/09/2018	50	*7.05	6.5-8.5	7.29	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	11/09/2018	50	*1.65	6.5-8.5	6.92	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	11/09/2018	50	*1.1	6.5-8.5	7.85	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	11/09/2018	50	*<10	6.5-8.5	7.62	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	12/09/2018	50	*0.82	6.5-8.5	6.76	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	12/09/2018	50	*0.3	6.5-8.5	7.63	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	12/09/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	13/09/2018	50	*1.58	6.5-8.5	6.85	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	13/09/2018	50	*1.0	6.5-8.5	7.57	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 SPI-2	13/09/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	14/09/2018	50	*5.6	6.5-8.5	7.41	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	14/09/2018	50	*0.93	6.5-8.5	6.68	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	14/09/2018	50	*<10	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	15/09/2018	50	*4.4	6.5-8.5	7.32	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	15/09/2018	50	*1.83	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	15/09/2018	50	*0.4	6.5-8.5	7.82	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	15/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/09/2018	50	*5.7	6.5-8.5	7.41	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	16/09/2018	50	*0.88	6.5-8.5	6.81	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	16/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	17/09/2018	50	*8.6	6.5-8.5	7.52	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	17/09/2018	50	*0.82	6.5-8.5	6.8	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	17/09/2018	50	*2.7	6.5-8.5	7.57	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	17/09/2018	50	*<10	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/09/2018	50	*1.79	6.5-8.5	7.16	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	18/09/2018	50	*1.68	6.5-8.5	6.92	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 KGD-1	18/09/2018	50	*1.4	6.5-8.5	7.76	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	18/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/09/2018	50	*9.4	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	19/09/2018	50	*1.45	6.5-8.5	7.42	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	19/09/2018	50	*2.1	6.5-8.5	7.81	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	19/09/2018	50	*<10	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	20/09/2018	50	*5.19	6.5-8.5	7.52	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	20/09/2018	50	*1.01	6.5-8.5	6.81	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	20/09/2018	50	*2.4	6.5-8.5	7.77	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	20/09/2018	50	*<10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	21/09/2018	50	*4	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	21/09/2018	50	*0.95	6.5-8.5	6.82	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	21/09/2018	50	*0.7	6.5-8.5	7.62	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	21/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	22/09/2018	50	*4.3	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	22/09/2018	50	*1.08	6.5-8.5	6.89	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	22/09/2018	50	*0.4	6.5-8.5	7.96	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	22/09/2018	50	*<10	6.5-8.5	7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	23/09/2018	50	*3.4	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	23/09/2018	50	*1.55	6.5-8.5	6.77	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	23/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	24/09/2018	50	*3	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	24/09/2018	50	*1.45	6.5-8.5	7.07	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	24/09/2018	50	*0.4	6.5-8.5	7.92	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	24/09/2018	50	*<10	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	25/09/2018	50	*3	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	25/09/2018	50	*1.45	6.5-8.5	6.89	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	25/09/2018	50	*<10	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/09/2018	50	*3.5	6.5-8.5	7.49	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	26/09/2018	50	*1.90	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	26/09/2018	50	*1.0	6.5-8.5	7.77	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	26/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/09/2018	50	*3.6	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	27/09/2018	50	*1.33	6.5-8.5	7.12	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 KGD-1	27/09/2018	50	*0.4	6.5-8.5	7.75	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	27/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/09/2018	50	*3.90	6.5-8.5	6.72	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	28/09/2018	50	*1.16	6.5-8.5	6.71	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	28/09/2018	50	*0.4	6.5-8.5	7.71	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	28/09/2018	50	*<10	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/09/2018	50	*5.60	6.5-8.5	6.85	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	29/09/2018	50	*1.53	6.5-8.5	7.34	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	29/09/2018	50	*<10	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	30/09/2018	50	*3.9	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	30/09/2018	50	*1.38	6.5-8.5	7.23	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	30/09/2018	50	*<10	6.5-8.5	7.3	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/m2/month	Comment
SG01	10/08/2018	10/09/2018	4.7	SG01
SG02	10/08/2018	10/09/2018	12.2	SG02
SG03	10/08/2018	10/09/2018	6.7	SG03
SG04	10/08/2018	10/09/2018	8.9	SG04

Monitoring Type: Ground Vibration Peak Particle Velocity monitoring

Date	Time	Location		Peak Particle Velocity (mm/s)	Licence Limit (mm/s)	Compliant	Comments
		Easting	Northing				
3/09/2018	16:27	331142	6245717	8.8	10	Yes	MT9DN
4/09/2018	16:35	331207.01	6245768.32	1.654	10	Yes	MT9DS
4/09/2018	16:35	331268.03	6245664.58	5.669	25	Yes	MT9DS
4/09/2018	16:35	331289.25	6245707.41	2	25	Yes	MT9DS
5/09/2018	16:33	331142	6245717	9.37	10	Yes	MT9DN
7/09/2018	16:38	331142	6245717	9.57	10	Yes	MT9DN

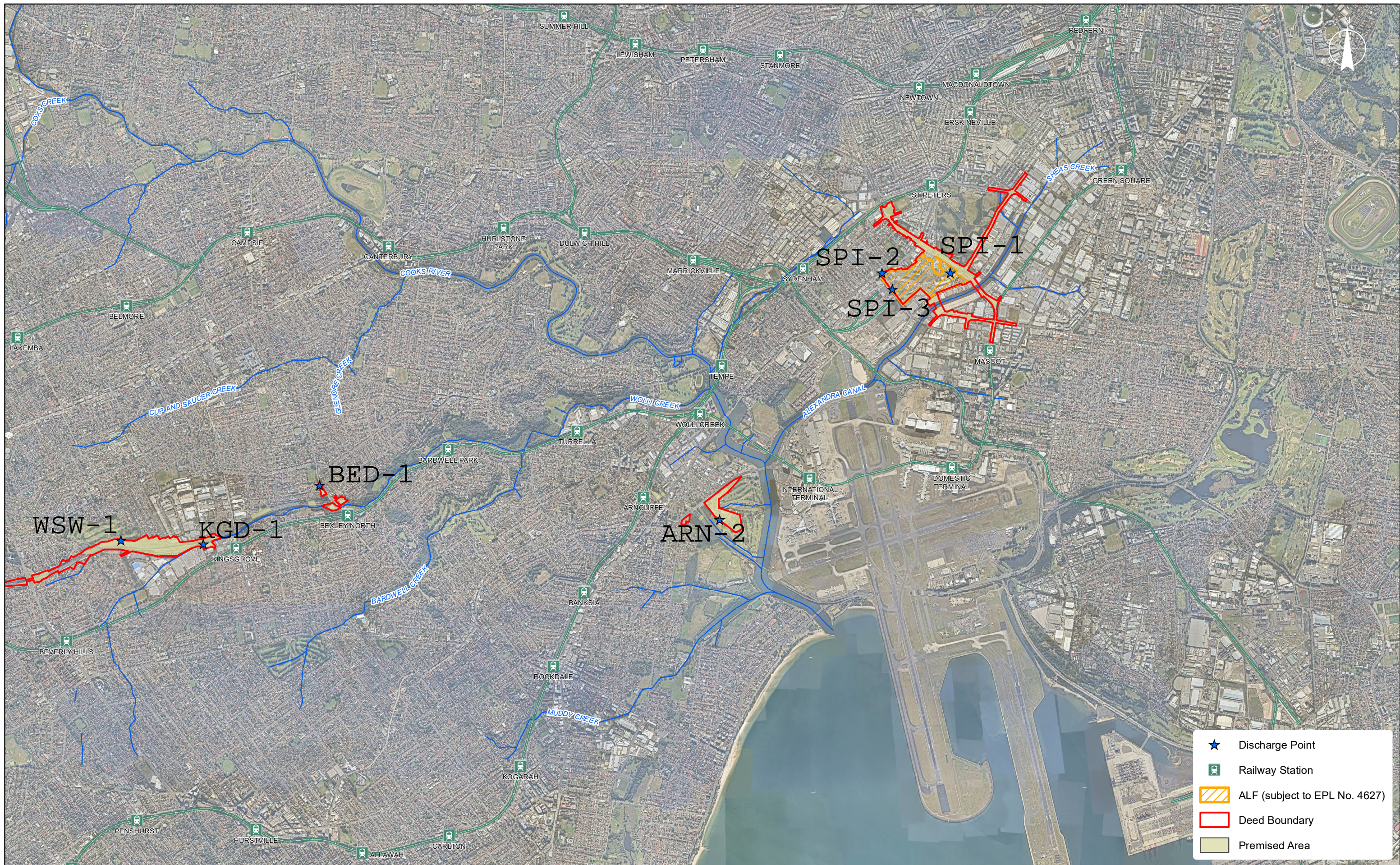
Environment Protection Licence Monitoring Data

Date	Time	Location		Peak Particle Velocity (mm/s)	Licence Limit (mm/s)	Compliant	Comments
		Easting	Northing				
10/09/2018	16:36	331136	6245719	8.3	10	Yes	MT9DN
11/09/2018	16:42	331207.01	6245768.32	1.644	10	Yes	MT9DS
11/09/2018	16:42	331268.03	6245664.58	5.786	25	Yes	MT9DS
11/09/2018	16:42	331289.25	6245707.41	11.32	25	Yes	MT9DS
12/09/2018	16:30	331136	6245719	8.68	10	Yes	MT9DN
13/09/2018	16:35	331136	6245719	8.8	10	Yes	MT9DN
14/09/2018	16:35	331207.01	6245768.32	2.441	10	Yes	MT9DS
14/09/2018	16:35	331268.03	6245664.58	4.288	25	Yes	MT9DS
14/09/2018	16:35	331289.25	6245707.41	18.61	25	Yes	MT9DS
17/09/2018	16:35	331136	6245719	8.8	10	Yes	MT9DN
18/09/2018	16:35	331207.01	6245768.32	2.18	10	Yes	MT9DS
18/09/2018	16:35	331268.03	6245664.58	6.499	25	Yes	MT9DS
18/09/2018	16:35	331289.25	6245707.41	20.78	25	Yes	MT9DS
19/09/2018	4:41	331130	6245726	8.8	10	Yes	MT9DN
20/09/2018	16:36	331207.01	6245768.32	1.572	10	Yes	MT9DS

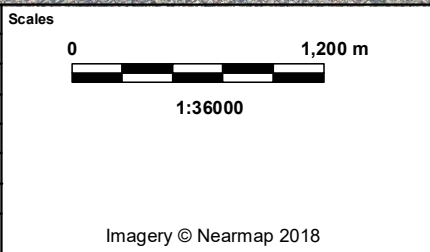
Environment Protection Licence Monitoring Data



Date	Time	Location		Peak Particle Velocity (mm/s)	Licence Limit (mm/s)	Compliant	Comments
		Easting	Northing				
20/09/2018	16:36	331268.03	6245664.58	4.181	25	Yes	MT9DS
20/09/2018	16:36	331289.25	6245707.41	13.85	25	Yes	MT9DS
21/09/2018	16:32	331130	6245726	8.8	10	Yes	MT9DN
24/09/2018	16:35	331130	6245726	8.8	10	Yes	MT9DN
25/09/2018	16:32	331207.01	6245768.32	1.79	10	Yes	MT9DS
25/09/2018	16:33	331268.03	6245664.58	4.979	25	Yes	MT9DS
25/09/2018	16:33	331289.25	6245707.41	15.6	25	Yes	MT9DS
26/09/2018	16:38	331130	6245726	8.8	10	Yes	MT9DN
28/09/2018	16:53	331123	6245729	8.8	10	Yes	MT9DN



Rev	Description	Date	Approved
M	Added Discharge Point	08/01/2019	
S	Modified premised area boundary	13/11/2018	
R	Premised Area boundary modification	04/10/2018	
Q	ALF and Premised Area boundary modification	04/09/2018	
P	Modified Premise Area Boundary	12/07/2018	
O	ALF Boundary and Premise Area modification	03/07/2018	
N	Premised Area boundary modification	20/06/2018	



Client

Status			
For Information Only - NOT FOR CONSTRUCTION			
Original Size	A3	Drawn by	PB
Coordinate System	MGA ZONE 56	Requested by	CG
Height Datum	AHD	Date Printed	8/01/2019
Filename:	Premise_Overview_revT.mxd		

WestConnex New M5

WESTCONNEX New M5

Premise Map Overview

DOCUMENT NUMBER



- ★ Discharge Point
- ▲ Dust Gauge
- Leachate Monitoring Location
- ⊕ Groundwater Monitoring Location
- ALF (subject to EPL No. 4627)
- Deed Boundary
- Premised Area

Rev	Description	Date	Approved
P	Added Discharge Point	08/01/2018	
O	Modified premised area boundary	04/10/2018	
N	ALF Boundary and Premise Area modification	04/09/2018	
M	ALF Boundary and Premise Area modification	03/07/2018	
L	Modified premised area boundary	14/03/2018	
K	ALF and Premised Area boundary modification	06/12/2017	
J	Premised Area boundary modification	20/09/2017	

Scale

0 100 m

Imagery © Nearmap 2018

Client

Status
For Information Only - NOT FOR CONSTRUCTION

Original Size	A3	Drawn	PB
Coordinate System	MGA ZONE 56	Requested by	CG
Height Datum	AHD	Date Printed	8/01/2019
Filename:	Premise_SPI_RevP.mxd		

WestConnex New M5

WESTCONNEX New M5

Premise Map
St Peters Interchange

DOCUMENT NUMBER