

# Environment Protection Licence Monitoring Data



Project name:	WestConnex – New M5	
Licensee	CPB Contractors Pty Limited	
Monitoring period	October 2018	
Website:	<a href="https://www.westconnex.com.au/NewM5Environment">https://www.westconnex.com.au/NewM5Environment</a>	
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	1/10/2018	50	*3.31	6.5-8.5	7.18	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	1/10/2018	50	*1.43	6.5-8.5	7.25	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	1/10/2018	50	*5.30	6.5-8.5	7.45	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/10/2018	50	*10.91	6.5-8.5	7.33	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	2/10/2018	50	*1.6	6.5-8.5	7.39	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	2/10/2018	50	*6.53	6.5-8.5	7.37	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	3/10/2018	50	*3.6	6.5-8.5	7.30	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	3/10/2018	50	*1.07	6.5-8.5	7.24	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	3/10/2018	50	*0.7	6.5-8.5	7.26	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	3/10/2018	50	*7.10	6.5-8.5	7.44	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/10/2018	50	*3.5	6.5-8.5	7.34	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	4/10/2018	50	*3.22	6.5-8.5	7.10	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	4/10/2018	50	*0.5	6.5-8.5	7.30	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	4/10/2018	50	*7.20	6.5-8.5	7.56	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	5/10/2018	50	*3.5	6.5-8.5	7.20	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	5/10/2018	50	*1.31	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	5/10/2018	50	*6.20	6.5-8.5	8.18	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/10/2018	50	*3.4	6.5-8.5	7.49	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	6/10/2018	50	*1.50	6.5-8.5	7.01	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	6/10/2018	50	*1.2	6.5-8.5	8.0	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	6/10/2018	50	*6.45	6.5-8.5	8.06	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	7/10/2018	50	*4.0	6.5-8.5	6.95	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	7/10/2018	50	*2.66	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	7/10/2018	50	*5.70	6.5-8.5	7.40	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/10/2018	50	*5.0	6.5-8.5	6.91	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	8/10/2018	50	*2.0	6.5-8.5	7.81	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	8/10/2018	50	*1.2	6.5-8.5	8.31	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	8/10/2018	50	*6.40	6.5-8.5	7.95	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	9/10/2018	50	*1.73	6.5-8.5	7.22	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	9/10/2018	50	*3.0	6.5-8.5	7.40	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	9/10/2018	50	*5.30	6.5-8.5	7.94	None visible	None	Each discharge	Compliant
Sediment Basin SPI-3	10/10/2018	50	*15	6.5-8.5	8.40	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	10/10/2018	50	*2.88	6.5-8.5	7.09	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	10/10/2018	50	*0.4	6.5-8.5	8.13	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	10/10/2018	50	*5.20	6.5-8.5	7.55	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	11/10/2018	50	*2.45	6.5-8.5	6.71	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	11/10/2018	50	*5.20	6.5-8.5	8.13	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	12/10/2018	50	*2.61	6.5-8.5	7.21	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	12/10/2018	50	*5.10	6.5-8.5	7.99	None visible	None	Each discharge	Compliant
Sediment Basin SPI-1	13/10/2018	50	*20	6.5-8.5	8.00	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	13/10/2018	50	*2.57	6.5-8.5	6.93	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	13/10/2018	50	*5.30	6.5-8.5	7.96	None visible	None	Each discharge	Compliant
Sediment Basin SPI-1	14/10/2018	50	*15	6.5-8.5	8.20	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	14/10/2018	50	*2.95	6.5-8.5	6.77	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	14/10/2018	50	*5.20	6.5-8.5	8.08	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	15/10/2018	50	*1.5	6.5-8.5	6.68	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	15/10/2018	50	*16.75	6.5-8.5	6.61	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	15/10/2018	50	*0.2	6.5-8.5	7.74	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	15/10/2018	50	*5.20	6.5-8.5	8.11	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/10/2018	50	*4.0	6.5-8.5	7.35	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	16/10/2018	50	*0.98	6.5-8.5	7.17	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	16/10/2018	50	*0.4	6.5-8.5	7.75	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	16/10/2018	50	*5.30	6.5-8.5	8.0	None visible	None	Each discharge	Compliant
Sediment Basin SPI-3	17/10/2018	50	*25	6.5-8.5	8.40	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	17/10/2018	50	*2.5	6.5-8.5	6.98	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	17/10/2018	50	*2.30	6.5-8.5	7.68	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	17/10/2018	50	*1.4	6.5-8.5	7.97	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	17/10/2018	50	*2.45	6.5-8.5	8.06	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/10/2018	50	*5.6	6.5-8.5	7.10	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	18/10/2018	50	*2.25	6.5-8.5	7.59	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	18/10/2018	50	*1.80	6.5-8.5	8.01	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/10/2018	50	*3.8	6.5-8.5	7.40	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	19/10/2018	50	*5.0	6.5-8.5	7.78	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	19/10/2018	50	*1.80	6.5-8.5	8.11	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	20/10/2018	50	*3.0	6.5-8.5	7.05	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	20/10/2018	50	*2.0	6.5-8.5	7.18	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	20/10/2018	50	*4.30	6.5-8.5	8.07	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	21/10/2018	50	*4.6	6.5-8.5	7.07	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	21/10/2018	50	*1.13	6.5-8.5	7.47	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	21/10/2018	50	*3.20	6.5-8.5	8.04	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	22/10/2018	50	*3.5	6.5-8.5	7.28	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	22/10/2018	50	*1.27	6.5-8.5	6.95	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	22/10/2018	50	*0.7	6.5-8.5	8.10	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	22/10/2018	50	*27.30	6.5-8.5	8.31	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	23/10/2018	50	*2.06	6.5-8.5	6.92	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	23/10/2018	50	*0.7	6.5-8.5	7.20	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	23/10/2018	50	*2.20	6.5-8.5	8.12	None visible	None	Each discharge	Compliant
Sediment Basin SPI-3	24/10/2018	50	*7.1	6.5-8.5	7.71	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	24/10/2018	50	*5.0	6.5-8.5	7.5	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	24/10/2018	50	*1.45	6.5-8.5	7.07	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	24/10/2018	50	*3.0	6.5-8.5	7.98	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	24/10/2018	50	*2.30	6.5-8.5	8.05	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	25/10/2018	50	*4.0	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	25/10/2018	50	*1.30	6.5-8.5	6.94	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	25/10/2018	50	*5.3	6.5-8.5	7.81	None visible	None	Each discharge	Compliant
Sediment Basin SPI-3	26/10/2018	50	*23	6.5-8.5	8.20	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/10/2018	50	*3.2	6.5-8.5	7.35	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	26/10/2018	50	*28.0	6.5-8.5	6.80	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	26/10/2018	50	*2.43	6.5-8.5	7.96	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/10/2018	50	*3.3	6.5-8.5	7.62	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	27/10/2018	50	*1.16	6.5-8.5	7.17	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	27/10/2018	50	*2.30	6.5-8.5	8.03	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/10/2018	50	*2.5	6.5-8.5	7.03	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	28/10/2018	50	*3.85	6.5-8.5	7.07	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	28/10/2018	50	*2.30	6.5-8.5	8.01	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/10/2018	50	*3.0	6.5-8.5	7.81	None visible	None	Each discharge	Compliant

October 2018 Monitoring data for EPLs 20772 and 4627

# Environment Protection Licence Monitoring Data

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	29/10/2018	50	*1.69	6.5-8.5	7.14	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	29/10/2018	50	*0.2	6.5-8.5	7.55	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	29/10/2018	50	*2.30	6.5-8.5	8.11	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	30/10/2018	50	*4.4	6.5-8.5	7.03	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	30/10/2018	50	*2.13	6.5-8.5	6.96	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	30/10/2018	50	*2.20	6.5-8.5	8.10	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	31/10/2018	50	*4.0	6.5-8.5	7.85	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	31/10/2018	50	*1.77	6.5-8.5	7.24	None visible	None	Each discharge	Compliant
Water Treatment Plant SPI-2	31/10/2018	50	*2.30	6.5-8.5	8.11	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
<b>SG01</b>	10/09/2018	10/10/2018	4.6	SG01
<b>SG02</b>	10/09/2018	10/10/2018	6.2	SG02
<b>SG03</b>	10/09/2018	10/10/2018	6.7	SG03
<b>SG04</b>	10/09/2018	10/10/2018	18.4	SG04

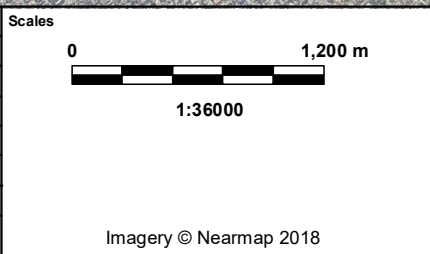
## Monitoring Type: Ground Vibration Peak Particle Velocity monitoring

Date	Time	Location		Peak Particle Velocity (mm/s)	Licence Limit (mm/s)	Compliant	Comments
		Northing	Easting				
19/10/2018	11:48	331130	6245726	7.7	10	Yes	MT9DN Shaft





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	



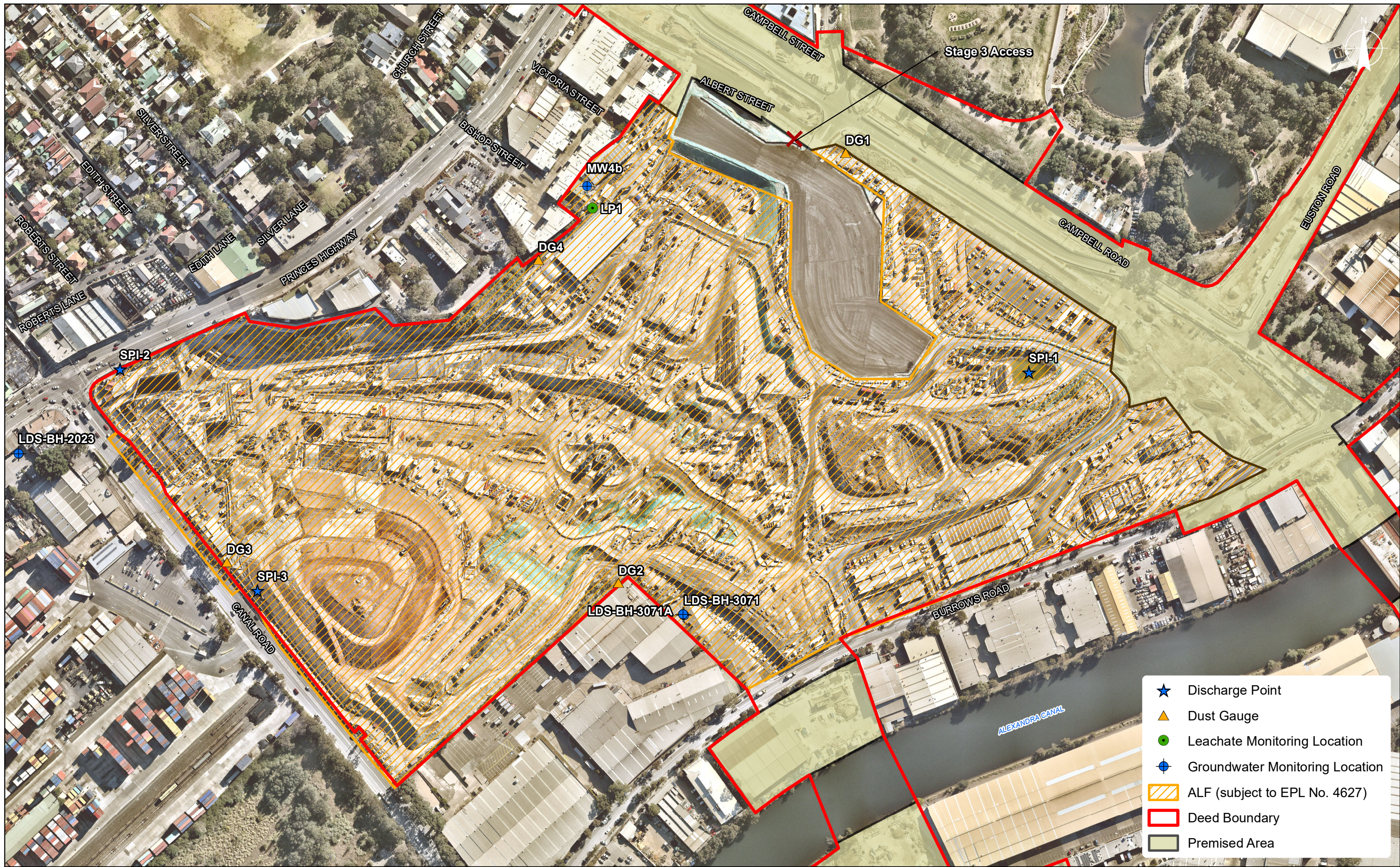
Status			
For Information Only - NOT FOR CONSTRUCTION			
Original Size	A3	Drawn by	PB
Coordinate System	MGA ZONE 56	Requested by	CG
Height Datum	AHD	Date Printed	8/01/2019
Filename:	Premise_Overview_revT.mxd		

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