

Environmental Protection Licence Monitoring Data



Project name:	WestConnex – New M5	
Licensee	CPB Contractors Pty Limited	
Monitoring period	May 2017	
Website:	WestConnex – Explore the Route – New M5 (Beverly Hills to St Peters) – New M5 Resources	
Environmental 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 BED-1	1/05/2017	50	*5.8	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	1/05/2017	50	*3.4	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	2/05/2017	50	*5.4	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/05/2017	50	*1	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	2/05/2017	50	*4.4	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	2/05/2017	50	*4.2	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	3/05/2017	50	*1.3	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	3/05/2017	50	*18.1	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	4/05/2017	50	*1	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/05/2017	50	*21.1	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	4/05/2017	50	*4.2	6.5-8.5	7.9	None visible	None	Each discharge	Compliant

May 2017 Monitoring data for EPLs 20772 and 4627

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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	5/05/2017	50	*1.7	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	5/05/2017	50	*13.61	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	6/05/2017	50	*3.3	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/05/2017	50	*2.4	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	7/05/2017	50	*15.2	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	7/05/2017	50	*3.9	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	8/05/2017	50	*7.3	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/05/2017	50	*3.44	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	9/05/2017	50	*28.3	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	9/05/2017	50	*2	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	10/05/2017	50	*41.1	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	10/05/2017	50	*3	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	11/05/2017	50	6.0	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	11/05/2017	50	*3.12	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	12/05/2017	50	*18.1	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	12/05/2017	50	*1.9	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	12/05/2017	50	*1.1	6.5-8.5	7.7	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	12/05/2017	50	*1	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	13/05/2017	50	*21.6	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	13/05/2017	50	*1.9	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	13/05/2017	50	*4.2	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	14/05/2017	50	*20	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	14/05/2017	50	*3.22	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	15/05/2017	50	*12.9	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	15/05/2017	50	*1.9	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	15/05/2017	50	*2.9	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	16/05/2017	50	*2.1	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	16/05/2017	50	*14.1	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/05/2017	50	*1.9	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	17/05/2017	50	*15.9	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	17/05/2017	50	*2.94	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	17/05/2017	50	*0.4	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	18/05/2017	50	*17.4	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/05/2017	50	*1.9	6.5-8.5	7.0	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	18/05/2017	50	*1.7	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	19/05/2017	50	*6.8	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/05/2017	50	*4.2	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	19/05/2017	50	*0.01	6.5-8.5	8.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	20/05/2017	50	*11.3	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	20/05/2017	50	*1.9	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	20/05/2017	50	*1.2	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	20/05/2017	50	*0.3	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	21/05/2017	50	*0.6	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	21/05/2017	50	*2.3	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	22/05/2017	50	*1.5	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	22/05/2017	50	*6.9	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	23/05/2017	50	*0.9	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	23/05/2017	50	*21	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	23/05/2017	50	*0.4	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	24/05/2017	50	*0.6	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	24/05/2017	50	*1.9	6.5-8.5	7.1	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	24/05/2017	50	*14.4	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	25/05/2017	50	*0.9	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	25/05/2017	50	*26.9	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	25/05/2017	50	*0.2	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	26/05/2017	50	*0.2	6.5-8.5	8.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	26/05/2017	50	*2.8	6.5-8.5	6.7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/05/2017	50	*4	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	27/05/2017	50	*7.8	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/05/2017	50	*5.81	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	28/05/2017	50	*3.4	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/05/2017	50	*2.71	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	29/05/2017	50	*1.2	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/05/2017	50	*5.4	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	29/05/2017	50	*0.2	6.5-8.5	6.8	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD-1	30/05/2017	50	*0.2	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	30/05/2017	50	*9.6	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	30/05/2017	50	<5	6.5-8.5	8.1	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	31/05/2017	50	*0.6	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	31/05/2017	50	*4.6	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Sediment Basin WSW	31/05/2017	50	36.0	6.5-8.5	8.0	None visible	None	Each discharge	compliant

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

Environmental 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
DG1/9	13/04/2017	12/05/2017	4.6	
DG2/10	13/04/2017	12/05/2017	5.4	
DG3/11	13/04/2017	12/05/2017	7.7	
DG4/12	13/04/2017	12/05/2017	4.7	

Monitoring Type: Odour Monitoring (EPL 4627)

Date	Wind Direction	Location(s) ^{2, 3}	Compliance Limit (Odour Units)	Odour Unit ¹	Comments
1/05/2017	NNE	OM2	2	<2	Source characterised as odour masking agent and leachate
2/05/2017	SSW	OM1, OM2, OM3, OM4	2	ND	
3/05/2017	S	OM1, OM2, OM3, OM4	2	ND	
4/05/2017	E	OM1, OM2, OM3, OM4	2	ND	
5/05/2017	ENE	OM1, OM2, OM3, OM4	2	ND	
6/05/2017	NNE	OM1, OM2, OM3, OM4	2	ND	

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7/05/2017	SSE	OM1, OM2, OM3, OM4	2	ND	
8/05/2017	S	OM1, OM2, OM3, OM4	2	ND	
9/05/2017	S	OM1	2	<2	Source characterised as odour masking agent and leachate
10/05/2017	S	OM1, OM2, OM3, OM4	2	ND	
11/05/2017	SE	OM1, OM2, OM3, OM4	2	ND	
12/05/2017	SE	OM1, OM2, OM3, OM4	2	ND	
13/05/2017	NE	OM1, OM2, OM3, OM4	2	ND	
14/05/2017	E	OM1, OM2, OM3, OM4	2	ND	
15/05/2017	S	OM4	2	<2	Source characterised as odour masking agent
16/05/2017	S	OM1, OM2, OM3, OM4	2	ND	
17/05/2017	NE	OM1, OM2, OM3, OM4	2	ND	
18/05/2017	NE	OM1, OM2, OM3, OM4	2	ND	
19/05/2017	N	OM1, OM2, OM3, OM4	2	ND	
20/05/2017	SW	OM1, OM2, OM3, OM4	2	ND	
21/05/2017	S	OM1, OM2, OM3, OM4	2	ND	
22/05/2017	E	OM1, OM2, OM3, OM4	2	ND	

Environmental Protection Licence Monitoring Data

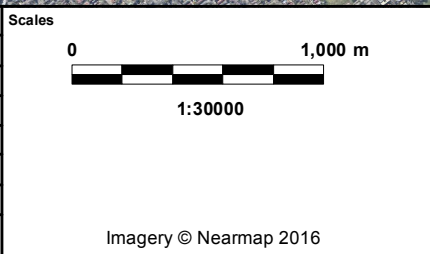


23/05/2017	NE	OM2	2	4	Source characterised as leachate. Reported to EPA
24/05/2017	WSW	OM1, OM2, OM3, OM4	2	ND	
25/05/2017	SSE	OM3	2	2	Source characterised as odour masking agent and leachate
26/05/2017	S	OM1, OM4	2	4, 7	Source characterised as leachate. Reported to EPA
27/05/2017	NE	OM1, OM3	2	2	Source characterised as odour masking agent and leachate
28/05/2017	NNW	OM1, OM2, OM3, OM4	2	ND	
29/05/2017	WSW	OM1, OM2, OM3, OM4	2	ND	
30/05/2017	NW	OM1, OM2, OM3, OM4	2	ND	
31/05/2017	SW	OM1, OM2, OM3, OM4	2	ND	

¹ND = Non-detect ²All monitoring locations are surveyed/ day ³Refer to monitoring map attached



Rev	Description	Date	Approved
E	ALF boundary modification	01/02/2017	
D	Modified Premise Area Boundary and Discharge Point	20/12/2016	
C	Modified Premise Area Boundary	15/11/2016	
B	Modified Premise Area Boundary	11/05/2016	
A	Preliminary Issue	18/03/2016	



Client

Status
For Information Only - NOT FOR CONSTRUCTION

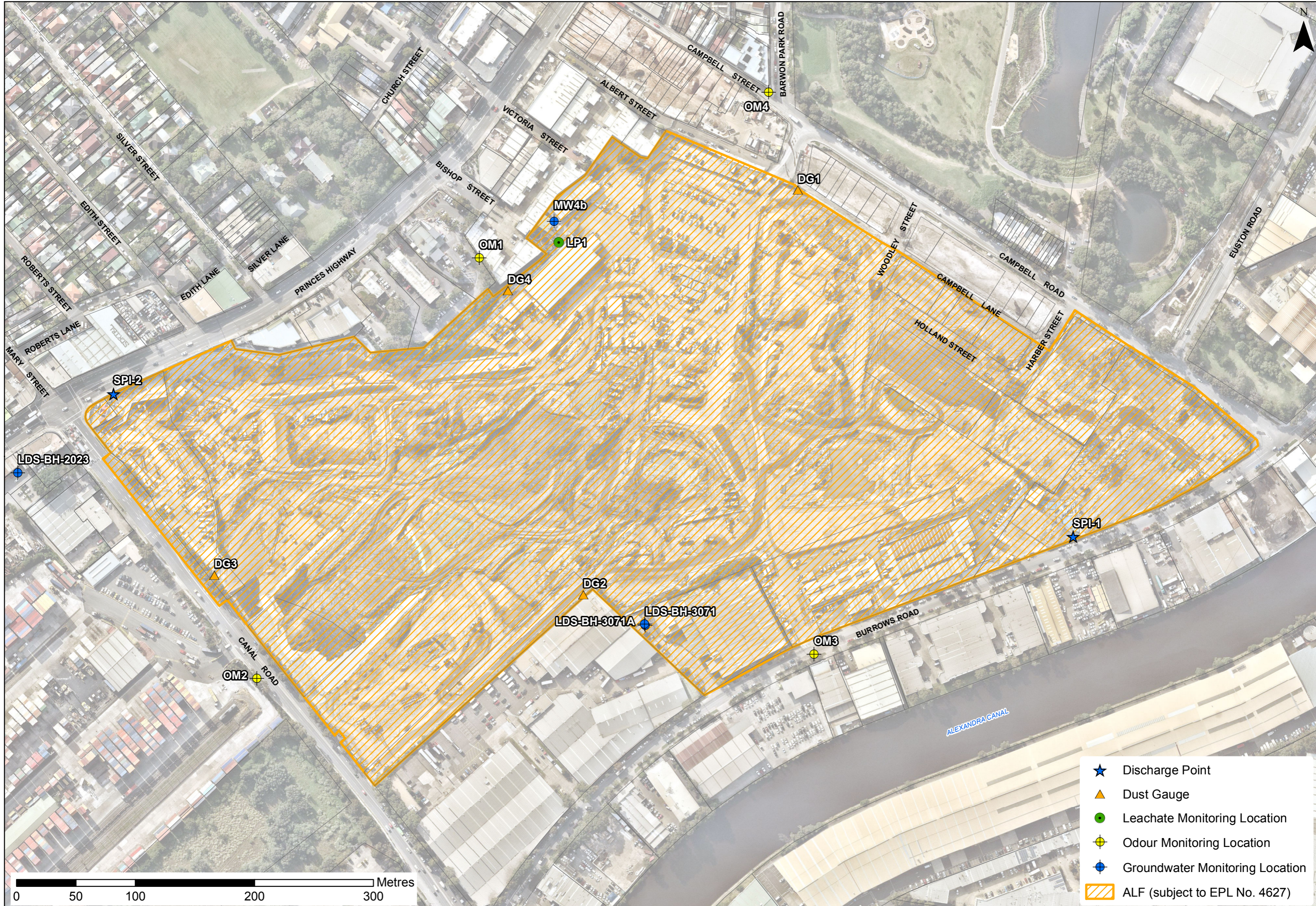
Original Size	A3	Drawn	PB
Coordinate System	MGA ZONE 56	Requested by	DL
Height Datum	AHD	Date Printed	01-Feb-17
Filename:	Premise_Overview_rev6.mxd		

WestConnex New M5

WESTCONNEX New M5

Premise Map Overview

DOCUMENT NUMBER
M5N-ES-MAP-PWD-0001-08



- ★ Discharge Point
- ▲ Dust Gauge
- Leachate Monitoring Location
- ⊕ Odour Monitoring Location
- ⊕ Groundwater Monitoring Location
- ▨ ALF (subject to EPL No. 4627)