

Environmental Protection Licence Monitoring Data

Project name:	WestConnex – New M5	
Licensee	CPB Contractors Pty Limited	
Monitoring period	April 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	1/04/2017	50	6.6*	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	1/04/2017	50	1.3*	6.5-8.5	6.6	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	2/04/2017	50	1.0*	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/04/2017	50	2.8*	6.5-8.5	6.88	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	3/04/2017	50	5.4*	6.5-8.5	7.78	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	3/04/2017	50	7.8*	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	3/04/2017	50	4*	6.5-8.5	6.82	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	4/04/2017	50	2.0*	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/04/2017	50	1*	6.5-8.5	6.62	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	4/04/2017	50	5.6*	6.5-8.5	7.53	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	5/04/2017	50	1.0*	6.5-8.5	7.6	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	5/04/2017	50	5*	6.5-8.5	6.91	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	5/04/2017	50	0.3*	6.5-8.5	7.69	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	6/04/2017	50	0.9*	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/04/2017	50	1.0*	6.5-8.5	6.75	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	6/04/2017	50	0.1*	6.5-8.5	7.64	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	7/04/2017	50	1.1*	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Sediment Basin SPI-1	7/04/2017	50	15	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	7/04/2017	50	0.1*	6.5-8.5	7.65	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	8/04/2017	50	0.7*	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Sediment Basin SPI-1	8/04/2017	50	20	6.5-8.5	6.8	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/04/2017	50	2.5*	6.5-8.5	6.59	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	8/04/2017	50	0.1*	6.5-8.5	7.79	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	8/04/2017	50	0.1*	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	9/04/2017	50	0.5*	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Sediment Basin SPI-1	9/04/2017	50	30	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	9/04/2017	50	6.1*	6.5-8.5	6.67	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	10/04/2017	50	0.3*	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 BED-1	11/04/2017	50	0.8*	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	11/04/2017	50	1	6.5-8.5	6.5	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	11/04/2017	50	0.2*	6.5-8.5	7.68	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	11/04/2017	50	0.2*	6.5-8.5	7.45	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	12/04/2017	50	<5	6.5-8.5	7.85	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	12/04/2017	50	25*	6.5-8.5	6.5	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	12/04/2017	50	0.9*	6.5-8.5	7.75	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	13/04/2017	50	0.5*	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	13/04/2017	50	6.2*	6.5-8.5	6.76	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	13/04/2017	50	0.2*	6.5-8.5	7.74	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	14/04/2017	50	0.4*	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	14/04/2017	50	1*	6.5-8.5	6.6	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	14/04/2017	50	15*	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	15/04/2017	50	0.4*	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	15/04/2017	50	12.4	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	16/04/2017	50	0.6*	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/04/2017	50	12.8*	6.5-8.5	6.53	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	17/04/2017	50	0.4*	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	17/04/2017	50	14.1*	6.5-8.5	6.8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	18/04/2017	50	3.0*	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/04/2017	50	6.3*	6.5-8.5	6.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	19/04/2017	50	3.4*	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/04/2017	50	8.0*	6.5-8.5	6.7	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	19/04/2017	50	0.8*	6.5-8.5	7.66	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	20/04/2017	50	0.9*	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	20/04/2017	50	0.7*	6.5-8.5	7.03	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	20/04/2017	50	1*	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Sediment Basin WSW	20/04/2017	50	30	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	20/04/2017	50	1*	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	21/04/2017	50	0.5*	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	21/04/2017	50	0.7*	6.5-8.5	7.23	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	21/04/2017	50	1.4*	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	22/04/2017	50	9.8*	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	22/04/2017	50	0.9	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 BED-1	23/04/2017	50	0.6*	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	23/04/2017	50	1.1*	6.5-8.5	6.95	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	24/04/2017	50	0.5*	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	24/04/2017	50	<5	6.5-8.5	7.58	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	25/04/2017	50	0.6*	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	25/04/2017	50	1.2*	6.5-8.5	7.06	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	26/04/2017	50	0.7*	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/04/2017	50	1.8*	6.5-8.5	6.95	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	26/04/2017	50	<5	6.5-8.5	7.51	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	27/04/2017	50	0.9*	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/04/2017	50	1.1*	6.5-8.5	7.11	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	27/04/2017	50	<1*	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	28/04/2017	50	2.2*	6.5-8.5	7.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/04/2017	50	1.3*	6.5-8.5	7.12	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	28/04/2017	50	0.1*	6.5-8.5	8.26	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	28/04/2017	50	1.5*	6.5-8.5	7.75	None visible	None	Each discharge	Compliant
Water Treatment Plant KGD	29/04/2017	50	0.5*	6.5-8.5	7.75	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	29/04/2017	50	9.9*	6.5-8.5	7.6	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/04/2017	50	1.0*	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	30/04/2017	50	12.1*	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	30/04/2017	50	7.2*	6.5-8.5	7.01	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/m ² /month	Comment
DG1/9	16/03/2017	13/04/2017	11.4	
DG2/10	16/03/2017	13/04/2017	8.8	
DG3/11	16/03/2017	13/04/2017	14.4	
DG4/12	16/03/2017	13/04/2017	16.1	

Monitoring Type: Odour Monitoring (EPL 4627)

Date	Wind Direction	Location(s) ^{2,3}	Compliance Limit (Odour Units)	Odour Unit ¹	Comments
30/04/2017	SE	A, B, C & D	2	ND	
29/04/2017	S	A, B, C & D	2	ND	
28/04/2017	S	A, B, C & D	2	ND	
27/04/2017	SSW	D	2	7	Detect reported to the EPA
26/04/2017	W	A, B, C & D	2	ND	
25/04/2017	N	A, B, C & D	2	ND	
24/04/2017	N	A, B, C & D	2	ND	
23/04/2017	ESE	A, B, C & D	2	ND	

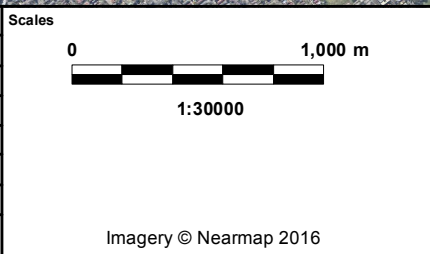
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22/04/2017	E	A, B, C & D	2	<2	Source characterised as odour masking agent
21/04/2017	ENE	B	2	15	Detect reported to the EPA
21/04/2017	NE	A, B, C & D	2	ND	
20/04/2017	NE	A, B, C & D	2	<2	Source characterised as odour masking agent
19/04/2017	ESE	A, B, C & D	2	ND	
18/04/2017	E	A, B, C & D	2	ND	
17/04/2017	SE	A, B, C & D	2	ND	
16/04/2017	SE	A, B, C & D	2	ND	
15/04/2017	ESE	A, B, C & D	2	ND	
14/04/2017	SE	A, B, C & D	2	ND	
13/04/2017	SSE	A, B, C & D	2	ND	
12/04/2017	SSW	A, B, C & D	2	ND	
11/04/2017	SSE	A, B, C & D	2	ND	
10/04/2017	WNW	A, B, C & D	2	ND	
9/04/2017	WNW	A, B, C & D	2	ND	
8/04/2017	NE	A, B, C & D	2	2	Source characterised as odour masking agent
7/04/2017	ENE	A, B, C & D	2	<2	

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_rev.mxd		

WestConnex New M5

WESTCONNEX New M5

Premise Map Overview

DOCUMENT NUMBER

M5N-ES-MAP-PWD-0001-08

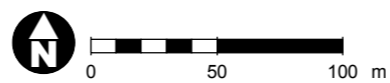


AECOM GIS Printed Date: 10/3/2016 \\nasys01\p0011\Projects\60327128\4_Tech\work\area\4_99_GIS\02_Maps\AECOM\G201_01_60327128_A3L_WCX_Alexandria_Landfill_EPL4627_Envr\0_Monit_Locations_20160301.mxd

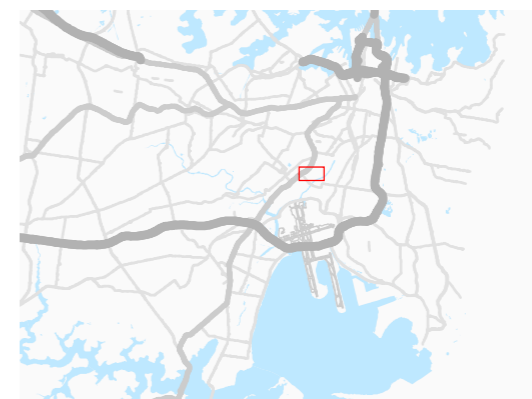
- KEY**
- Groundwater Monitoring Location
 - Dust Monitoring Location
 - Leachate Monitoring Locations: LP1 (leachate sump)

WestConnex
Building for the future

AECOM



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CONFIDENTIAL GIS MAP

SCALE: 1:3,000 A3
SHEET: 1 of 1 COORDINATE SYSTEM: GDA 1994 MGA Zone 56

TITLE: WestConnex Motorway Alexandria Landfill, EPL4627: Environmental Monitoring Locations

PROJECT: WESTCONNEX STAGE 2 TA

CLIENT: SYDNEY MOTORWAY CORPORATION

DRAWN	PROJECT #	MAP #	REV	Project
DN	60327128			
CHECK	DATE			
	21/09/16	G201 01 60327128		

St Peters Interchange Odour Monitoring Locations

