

Environment Protection Licence Monitoring Data

Project name:	WestConnex – New M5	
Licensee	CPB Contractors Pty Limited	
Monitoring period	July 2019	
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	1/07/2019	50	*5.40	6.5-8.5	6.8	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	2/07/2019	50	*3.80	6.5-8.5	7.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	2/07/2019	50	*1.20	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	3/07/2019	50	*12.0	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	3/07/2019	50	*1.10	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	4/07/2019	50	*7.70	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	4/07/2019	50	*1.00	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	5/07/2019	50	*41.6	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	5/07/2019	50	*1.02	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	6/07/2019	50	*7.50	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	6/07/2019	50	*1.05	6.5-8.5	7.4	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 ARN-2	7/07/2019	50	*3.86	6.5-8.5	8.2	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	8/07/2019	50	*8.67	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	8/07/2019	50	*0.95	6.5-8.5	7.0	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	9/07/2019	50	*2.78	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	9/07/2019	50	*1.00	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	10/07/2019	50	*36.1	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	10/07/2019	50	*0.93	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	11/07/2019	50	*3.60	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	11/07/2019	50	*0.95	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	12/07/2019	50	*14.1	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	13/07/2019	50	*1.30	6.5-8.5	7.8	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	13/07/2019	50	*0.97	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	14/07/2019	50	*1.50	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	15/07/2019	50	*4.50	6.5-8.5	8.2	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	15/07/2019	50	*0.85	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	16/07/2019	50	*6.70	6.5-8.5	8.0	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	16/07/2019	50	*0.90	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 ARN-2	17/07/2019	50	*4.20	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	17/07/2019	50	*0.88	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Sediment Basin SPI-2	18/07/2019	50	*35.0	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	18/07/2019	50	*6.40	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	18/07/2019	50	*0.90	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	19/07/2019	50	*4.10	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	19/07/2019	50	*1.25	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	20/07/2019	50	*2.50	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	20/07/2019	50	*0.90	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	21/07/2019	50	*5.30	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	22/07/2019	50	*15.0	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	22/07/2019	50	*1.06	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	23/07/2019	50	*2.60	6.5-8.5	7.7	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	23/07/2019	50	*0.90	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	24/07/2019	50	*6.40	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	24/07/2019	50	*0.88	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	25/07/2019	50	*6.40	6.5-8.5	7.8	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	25/07/2019	50	*0.87	6.5-8.5	7.3	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	26/07/2019	50	*6.30	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	26/07/2019	50	*0.85	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	27/07/2019	50	*3.91	6.5-8.5	8.0	None visible	None	Each discharge	Compliant
Sediment Basin SPI-2	28/07/2019	50	*20.0	6.5-8.5	7.9	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	28/07/2019	50	*2.90	6.5-8.5	8.1	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	28/07/2019	50	*0.90	6.5-8.5	7.4	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	29/07/2019	50	*2.31	6.5-8.5	6.7	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	30/07/2019	50	*8.91	6.5-8.5	6.9	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	30/07/2019	50	*1.02	6.5-8.5	7.5	None visible	None	Each discharge	Compliant
Water Treatment Plant ARN-2	31/07/2019	50	*5.50	6.5-8.5	8.3	None visible	None	Each discharge	Compliant
Water Treatment Plant BED-1	31/07/2019	50	*0.98	6.5-8.5	7.5	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
DG01	13/06/2019	12/07/2019	6.5	
DG02	13/06/2019	12/07/2019	239	DG02 was located ~2m from the active work area for substation 6. This included building a blockwork wall during the monitoring period. Mortar from this activity has splashed onto the gauge and was identified in the funnel. The monitoring frame for DG02 has been moved slightly and is now located further from this activity.
DG03	13/06/2019	12/07/2019	7.9	
DG04	13/06/2019	12/07/2019	2.5	



-  Discharge Point
-  Railway Station
-  ALF (subject to EPL No. 4627)
-  Deed Boundary
-  Premised Area

Rev	Description	Date	Approved
W	ALF Boundary and Premise Area modification	18/06/2019	
U	Premised Area boundary modification	17/01/2019	
T	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	

Scales

0 1,200 m

1:36000


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	18/06/2019
Filename:	Premise_Overview_revW.mxd		

WestConnex New M5



WESTCONNEX New M5

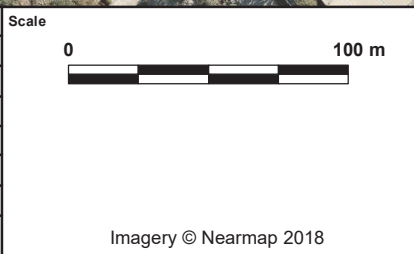
Premise Map Overview

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
Q	Premised Area boundary modification	17/01/2019	
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	



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	17/01/2019
Filename:	Premise_SPI_RevQ.mxd		

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Premise Map
St Peters Interchange

DOCUMENT NUMBER