



# Environment Protection Licence Monitoring Data

<b>Project Name:</b>	WestConnex Stage 3A - M4-M5 Link Mainline Tunnels
<b>Monitoring Period:</b>	18 October 2018 – 14 May 2019
<b>Licensee:</b>	Samsung C&T Corporation, Bouygues Construction Australia Pty Ltd, Lendlease Engineering Pty Limited
<b>Environment Protection Licence Number:</b>	21149
<b>Premise address:</b>	WestConnex between M4 East at Haberfield and The New M5 at St. Peters, Marrickville NSW 2204

## Monitoring Type: Water Discharge Monitoring

Discharge / Monitoring Point	Date Sampled	TSS		pH		Oil & Grease		Monitoring Frequency	Comment
		Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
4	18/10/2018	50	15	6.5 - 8.5	8.21	Not Visible	None	Each Discharge	Compliant
4	29/10/2018	50	33	6.5 - 8.5	8.46	Not Visible	None	Each Discharge	Compliant
4	30/10/2018	50	33	6.5 - 8.5	7.55	Not Visible	None	Each Discharge	Compliant
4	21/11/2018	50	44	6.5 - 8.5	8.31	Not Visible	None	Each Discharge	Compliant
4	14/01/2019	50	14	6.5 - 8.5	8.03	Not Visible	None	Each Discharge	Compliant
4	22/01/2019	50	<5	6.5 - 8.5	8.39	Not Visible	None	Each Discharge	Compliant
4	7/02/2019	50	9	6.5 - 8.5	8.13	Not Visible	None	Each Discharge	Compliant
4	11/02/2019	50	6	6.5 - 8.5	8.33	Not Visible	None	Each Discharge	Compliant
4	2/03/2019	50	<50*	6.5 - 8.5	7.75	Not Visible	None	Each Discharge	Compliant
5	15/03/2019	50	10	6.5 - 8.5	7.86	Not Visible	None	Each Discharge	Compliant
4	18/03/2019	50	28	6.5 - 8.5	7.34	Not Visible	None	Each Discharge	Compliant
4	18/03/2019	50	38	6.5 - 8.5	7.34	Not Visible	None	Each Discharge	Compliant
4	18/03/2019	50	29	6.5 - 8.5	7.12	Not Visible	None	Each Discharge	Compliant

\*A correlation between TSS and Turbidity (NTU) has been established for the Project. A 60% safety factor has been adopted to ensure samples have a TSS <50 mg/L



Discharge / Monitoring Point	Date Sampled	TSS		pH		Oil & Grease		Monitoring Frequency	Comment
		Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
3	19/03/2019	50	22	6.5 - 8.5	7.02	Not Visible	None	Each Discharge	Compliant
3	19/03/2019	50	27	6.5 - 8.5	6.97	Not Visible	None	Each Discharge	Compliant
3	19/03/2019	50	16	6.5 - 8.5	8.06	Not Visible	None	Each Discharge	Compliant
5	19/03/2019	50	9	6.5 - 8.5	6.8	Not Visible	None	Each Discharge	Compliant
3	19/03/2019	50	<50*	6.5 - 8.5	7.3	Not Visible	None	Each Discharge	Compliant
3	19/03/2019	50	<50*	6.5 - 8.5	7.03	Not Visible	None	Each Discharge	Compliant
3	19/03/2019	50	<50*	6.5 - 8.5	8.45	Not Visible	None	Each Discharge	Compliant
4	19/03/2019	50	28	6.5 - 8.5	7.68	Not Visible	None	Each Discharge	Compliant
4	19/03/2019	50	29	6.5 - 8.5	7.15	Not Visible	None	Each Discharge	Compliant
5	20/03/2019	50	12	6.5 - 8.5	7	Not Visible	None	Each Discharge	Compliant
3	20/03/2019	50	<50*	6.5 - 8.5	8.29	Not Visible	None	Each Discharge	Compliant
4	20/03/2019	50	31	6.5 - 8.5	7.68	Not Visible	None	Each Discharge	Compliant
4	20/03/2019	50	30	6.5 - 8.5	6.66	Not Visible	None	Each Discharge	Compliant
5	21/03/2019	50	<50*	6.5 - 8.5	7	Not Visible	None	Each Discharge	Compliant
4	21/03/2019	50	25	6.5 - 8.5	7.59	Not Visible	None	Each Discharge	Compliant
5	22/03/2019	50	16	6.5 - 8.5	7.69	Not Visible	None	Each Discharge	Compliant
3	22/03/2019	50	17	6.5 - 8.5	7.99	Not Visible	None	Each Discharge	Compliant
3	22/03/2019	50	<50*	6.5 - 8.5	8.4	Not Visible	None	Each Discharge	Compliant
4	22/03/2019	50	<50*	6.5 - 8.5	8.3	Not Visible	None	Each Discharge	Compliant
5	25/03/2019	50	20	6.5 - 8.5	7.15	Not Visible	None	Each Discharge	Compliant
4	25/03/2019	50	<50*	6.5 - 8.5	6.9	Not Visible	None	Each Discharge	Compliant
4	26/03/2019	50	<50*	6.5 - 8.5	7.27	Not Visible	None	Each Discharge	Compliant

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Discharge / Monitoring Point	Date Sampled	TSS		pH		Oil & Grease		Monitoring Frequency	Comment
		Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
5	27/03/2019	50	<50*	6.5 - 8.5	7.65	Not Visible	None	Each Discharge	Compliant
5	29/03/2019	50	<5	6.5 - 8.5	7.74	Not Visible	None	Each Discharge	Compliant
4	30/03/2019	50	<50*	6.5 - 8.5	8.45	Not Visible	None	Each Discharge	Compliant
5	1/04/2019	50	<50*	6.5 - 8.5	7.54	Not Visible	None	Each Discharge	Compliant
4	1/04/2019	50	<50*	6.5 - 8.5	7.4	Not Visible	None	Each Discharge	Compliant
4	1/04/2019	50	<50*	6.5 - 8.5	7.78	Not Visible	None	Each Discharge	Compliant
3	1/04/2019	50	5	6.5 - 8.5	8.09	Not Visible	None	Each Discharge	Compliant
3	1/04/2019	50	<5	6.5 - 8.5	8	Not Visible	None	Each Discharge	Compliant
3	1/04/2019	50	7	6.5 - 8.5	7.3	Not Visible	None	Each Discharge	Compliant
3	1/04/2019	50	29	6.5 - 8.5	7	Not Visible	None	Each Discharge	Compliant
3	1/04/2019	50	12	6.5 - 8.5	7.51	Not Visible	None	Each Discharge	Compliant
5	2/04/2019	50	11	6.5 - 8.5	7.65	Not Visible	None	Each Discharge	Compliant
4	2/04/2019	50	<50*	6.5 - 8.5	7.75	Not Visible	None	Each Discharge	Compliant
4	4/04/2019	50	<50*	6.5 - 8.5	7.89	Not Visible	None	Each Discharge	Compliant
5	5/04/2019	50	22	6.5 - 8.5	8.13	Not Visible	None	Each Discharge	Compliant
4	5/04/2019	50	<50*	6.5 - 8.5	8.46	Not Visible	None	Each Discharge	Compliant
4	6/04/2019	50	<50*	6.5 - 8.5	7.66	Not Visible	None	Each Discharge	Compliant
5	6/04/2019	50	23	6.5 - 8.5	6.62	Not Visible	None	Each Discharge	Compliant
4	8/04/2019	50	<50*	6.5 - 8.5	8.17	Not Visible	None	Each Discharge	Compliant
3	8/04/2019	50	22	6.5 - 8.5	7.15	Not Visible	None	Each Discharge	Compliant
6	8/04/2019	50	16	6.5 - 8.5	7.55	Not Visible	None	Each Discharge	Compliant
4	9/04/2019	50	<50*	6.5 - 8.5	8.49	Not Visible	None	Each Discharge	Compliant

\*A correlation between TSS and Turbidity (NTU) has been established for the Project. A 60% safety factor has been adopted to ensure samples have a TSS <50 mg/L



Discharge / Monitoring Point	Date Sampled	TSS		pH		Oil & Grease		Monitoring Frequency	Comment
		Licence Limit	Results	Licence Limit	Results	Licence Limit	Results		
4	9/04/2019	50	<50*	6.5 - 8.5	8.34	Not Visible	None	Each Discharge	Compliant
3	9/04/2019	50	14	6.5 - 8.5	7.02	Not Visible	None	Each Discharge	Compliant
5	9/04/2019	50	<50*	6.5 - 8.5	8.06	Not Visible	None	Each Discharge	Compliant
4	9/04/2019	50	<50*	6.5 - 8.5	7.85	Not Visible	None	Each Discharge	Compliant
6	12/04/2019	50	<50*	6.5 - 8.5	7.14	Not Visible	None	Each Discharge	Compliant
4	13/04/2019	50	<50*	6.5 - 8.5	7.42	Not Visible	None	Each Discharge	Compliant
4	16/04/2019	50	<50*	6.5 - 8.5	7.32	Not Visible	None	Each Discharge	Compliant
4	17/04/2019	50	22	6.5 - 8.5	8.32	Not Visible	None	Each Discharge	Compliant
6	18/04/2019	50	<50*	6.5 - 8.5	7.3	Not Visible	None	Each Discharge	Compliant
4	18/04/2019	50	<50*	6.5 - 8.5	8.17	Not Visible	None	Each Discharge	Compliant
4	18/04/2019	50	<50*	6.5 - 8.5	7.19	Not Visible	None	Each Discharge	Compliant
4	18/04/2019	50	<50*	6.5 - 8.5	7	Not Visible	None	Each Discharge	Compliant
4	24/04/2019	50	<50*	6.5 - 8.5	7.17	Not Visible	None	Each Discharge	Compliant
6	26/04/2019	50	36	6.5 - 8.5	7.88	Not Visible	None	Each Discharge	Compliant
4	29/04/2019	50	<50*	6.5 - 8.5	8.07	Not Visible	None	Each Discharge	Compliant
4	2/05/2019	50	<50*	6.5 - 8.5	8.12	Not Visible	None	Each Discharge	Compliant
4	3/05/2019	50	<50*	6.5 - 8.5	8.31	Not Visible	None	Each Discharge	Compliant
6	4/05/2019	50	17	6.5 - 8.5	7.09	Not Visible	None	Each Discharge	Compliant
4	6/05/2019	50	<50*	6.5 - 8.5	8.14	Not Visible	None	Each Discharge	Compliant
6	10/05/2019	50	<50*	6.5 - 8.5	8.01	Not Visible	None	Each Discharge	Compliant
5	13/05/2019	50	<50*	6.5 - 8.5	8.05	Not Visible	None	Each Discharge	Compliant

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