



PORT WARATAH COAL SERVICES
EPL MONITORING DATA
CARRINGTON
COAL TERMINAL



PORT WARATAH
COAL SERVICES

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PREMISES DETAILS

Environment Protection Licence Number:	601
Licensee's Name:	Port Waratah Coal Services Limited
Premises Name:	Carrington Coal Terminal
Premises Address:	Port Waratah Drive, Carrington NSW 2294
Link to POEO Public Register:	Click Here
Link to EPL 601 on POEO Public Register:	Click Here

EPL MONITORING DATA: CARRINGTON COAL TERMINAL
AMBIENT DUST MONITORING – DEPOSITED DUST

AMBIENT DUST MONITORING – DEPOSITED DUST

Monitoring frequency for Deposited Dust Monitoring is monthly. **Note:** g/m²/month refers to ‘grams per square metre per month’

On 1st February 2016, the EPA approved an amendment to the Carrington Coal Terminal Environment Protection Licence (EPL601), removing the requirement for ambient air quality monitoring due to the commencement of the [Newcastle Local Air Quality Monitoring Network](#).

Although Port Waratah is no longer obliged to publish ambient air quality data obtained after 1st February 2016, for historical continuity and transparency of data for the public, ambient air quality data for the locations previously listed in EPL601 will continue.

Sample Period					Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
Sample Date					29/1/2018	27/2/2018	27/3/2018	27/4/2018	29/5/2018	28/6/2018	27/7/2018	28/8/2018	27/9/2018	29/10/2018	29/11/2018	28/12/2018
Date Data Obtained					12/2/2018	15/3/2018	13/4/2018	15/5/2018	15/6/2018	16/7/2018	14/8/2018	14/9/2018	12/10/2018	12/11/2018	13/12/2018	31/12/2019
Date Data Published					22/2/2018	20/3/2018	19/4/2018	18/5/2018	22/6/2018	23/7/2018	21/8/2018	18/9/2018	22/10/2018	26/11/2018	18/12/2018	12/02/2019
EPA ID No.	PWCS ID	Location	Analyte/Pollutant	Unit of Measure												
N/A	DDG-C1	Stockton	Combustible Matter	g/m ² /month	0.3	0.3	0.4	0.4	0.1	0.1	<0.1	0.6	0.2	0.2	0.4	0.6
			Ash	g/m ² /month	0.8	0.5	0.2	0.5	0.1	0.2	0.1	0.7	0.1	0.2	0.3	0.7
			Total Insoluble Solids	g/m ² /month	1.1	0.8	0.6	0.9	0.2	0.3	0.1	1.3	0.3	0.4	0.7	1.3
N/A	DDG-C2	Mayfield East	Combustible Matter	g/m ² /month	0.4	0.5	0.5	0.4	0.2	0.2	0.3	0.6	0.1	0.4	0.4	0.6
			Ash	g/m ² /month	0.6	0.9	0.5	0.3	0.2	0.5	0.4	0.8	0.2	0.3	0.4	0.8
			Total Insoluble Solids	g/m ² /month	1.0	1.4	1.0	0.7	0.4	0.7	0.7	1.4	0.3	0.7	0.8	1.4
N/A	DDG-C5	Mayfield East	Combustible Matter	g/m ² /month	0.9	2.4	1.3	0.8	0.5	1.3	0.2	0.7	0.7	1.3	1.4	0.7
			Ash	g/m ² /month	1.1	2.6	1.4	0.6	0.5	2.1	0.4	0.3	0.5	1.1	1.1	0.3
			Total Insoluble Solids	g/m ² /month	2.0	5.0	2.7	1.4	1.0	3.4	0.6	1.0	1.3	2.4	2.5	1.0
N/A	DDG-C6	Tighes Hill	Combustible Matter	g/m ² /month	0.6	0.5	0.5	0.5	0.4	0.6	0.2	0.6	0.6	0.4	0.5	0.6
			Ash	g/m ² /month	0.9	0.7	0.9	0.5	0.5	0.7	0.5	1.0	1.0	0.3	0.8	1.0
			Total Insoluble Solids	g/m ² /month	1.5	1.2	1.4	1.0	0.9	1.3	0.7	1.6	1.6	0.7	1.3	1.6
N/A	DDG-C9	Carrington	Combustible Matter	g/m ² /month	0.6	0.5	0.4	0.2	0.2	0.5	0.4	0.9	0.4	0.4	0.4	0.9
			Ash	g/m ² /month	1.1	0.7	0.5	0.2	0.1	0.5	0.7	1.6	0.5	0.4	0.7	1.6
			Total Insoluble Solids	g/m ² /month	1.7	1.2	0.9	0.4	0.3	1.0	1.1	2.5	0.9	0.8	1.1	2.5
N/A	DDG-C10	Carrington Terminal Wharf	Combustible Matter	g/m ² /month	0.4	0.2	0.4	0.4	0.1	0.3	0.3	1.0	0.2	0.3	1.3	1.0
			Ash	g/m ² /month	0.5	0.2	0.4	0.3	0.3	0.4	0.4	2.2	0.4	0.3	1.3	2.2
			Total Insoluble Solids	g/m ² /month	0.9	0.4	0.8	0.7	0.4	0.7	0.7	3.2	0.6	0.6	2.6	3.2

Indicates the laboratory identified the sample as contaminated. This is most commonly caused by bird droppings

EPL MONITORING DATA: CARRINGTON COAL TERMINAL
AMBIENT DUST MONITORING – DEPOSITED DUST

Sample Period					Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019
Sample Date					29/1/2019	27/02/2019	28/03/2019	29/04/2019	29/05/2019	27/06/2019	29/07/2019	29/8/2019	27/09/2019	29/10/2019	28/11/2019	30/12/2019
Date Data Obtained					15/02/2019	14/03/2019	12/04/2019	13/05/2019	13/06/2019	12/07/2019	13/08/2019	16/9/2019	16/10/2019	26/11/2019	17/12/2019	17/01/2020
Date Data Published					20/02/2019	26/03/2019	16/04/2019	14/05/2019	18/06/2019	17/07/2019	15/08/2019	19/9/2019	18/10/2019	26/11/2019	20/12/2019	30/01/2020
EPA ID No.	PWCS ID	Location	Analyte/Pollutant	Unit of Measure												
N/A	DDG-C1	Stockton	Combustible Matter	g/m ² /month	0.3	0.5	0.3	0.2	0.1	0.3	0.3	0.4	0.4	0.2	1.0	0.7
			Ash	g/m ² /month	0.7	0.9	0.9	0.3	0.2	0.1	0.1	0.2	0.3	0.4	0.9	1.4
			Total Insoluble Solids	g/m ² /month	1.0	1.4	1.2	0.5	0.3	0.4	0.4	0.6	0.7	0.6	1.9	2.1
N/A	DDG-C2	Mayfield East	Combustible Matter	g/m ² /month	0.5	0.6	0.7	0.2	0.4	0.3	0.2	0.4	0.3	0.4	0.5	0.6
			Ash	g/m ² /month	0.8	0.9	1.7	0.4	0.3	0.2	0.3	0.4	0.5	0.9	1.5	1.1
			Total Insoluble Solids	g/m ² /month	1.3	1.5	2.4	0.6	0.7	0.5	0.5	0.8	0.8	1.3	2.0	1.7
N/A	DDG-C5	Mayfield East	Combustible Matter	g/m ² /month	0.8	2.5	1.4	0.8	1.4	1.2	0.7	0.9	1.2	DDG-C5 was decommissioned in October 2019		
			Ash	g/m ² /month	0.5	2.9	1.9	1.0	1.0	1.1	0.6	0.9	1.1			
			Total Insoluble Solids	g/m ² /month	1.3	5.4	3.3	1.8	2.4	2.3	1.3	1.8	2.3			
N/A	DDG-C6	Tighes Hill	Combustible Matter	g/m ² /month	0.5	1.0	0.6	0.1	0.5	0.3	0.5	0.8	0.5	0.9	0.5	0.7
			Ash	g/m ² /month	1.1	2.0	1.6	0.5	0.8	0.6	0.6	1.1	0.6	1.4	1.6	1.9
			Total Insoluble Solids	g/m ² /month	1.6	3.0	2.2	0.6	1.3	0.9	1.1	1.9	1.1	2.3	2.1	2.6
N/A	DDG-C9	Carrington	Combustible Matter	g/m ² /month	0.7	1.2	0.6	0.3	0.7	0.5	0.8	0.8	0.7	0.7	0.7	0.6
			Ash	g/m ² /month	1.2	2.1	1.6	0.6	1.3	0.9	1.6	1.6	1.2	1.5	2.0	1.2
			Total Insoluble Solids	g/m ² /month	1.9	3.3	2.2	0.9	2.0	1.4	2.4	2.4	1.9	3.3	2.7	1.8
N/A	DDG-C10	Carrington Terminal Wharf	Combustible Matter	g/m ² /month	0.7	1.6	0.5	0.2	0.3	0.6	0.4	0.7	0.3	DDG-C10 was decommissioned in October 2019		
			Ash	g/m ² /month	0.6	2.4	1.0	0.3	0.1	0.8	0.5	0.8	0.5			
			Total Insoluble Solids	g/m ² /month	1.3	4.0	1.5	0.5	0.4	1.4	0.9	1.5	0.8			



Indicates the laboratory identified the sample as contaminated. This is most commonly caused by bird droppings

EPL MONITORING DATA: CARRINGTON COAL TERMINAL
AMBIENT DUST MONITORING – DEPOSITED DUST

Sample Period					Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020
Sample Date					31/01/2020	28/02/2020	31/03/2020	29/04/2020	28/05/2020	29/06/2020	29/07/2020	28/08/2020	28/09/2020	30/10/2020	30/11/2020	30/12/2020
Date Data Obtained					19/02/2020	26/03/2020	20/04/2020	19/05/2020	23/06/2020	14/07/2020	17/08/2020	14/09/2020	16/10/2020	16/11/2020	16/12/2020	15/01/2021
Date Data Published					27/02/2020	26/03/2020	29/04/2020	20/05/2020	24/06/2020	23/07/2020	27/08/2020	07/09/2020	23/10/2020	04/12/2020	17/12/2020	21/01/2021
EPA ID No.	PWCS ID	Location	Analyte/Pollutant	Unit of Measure												
N/A	DDG-C1	Stockton	Combustible Matter	g/m ² /month	0.6	0.7	0.2	0.1	0.5	0.1	0.1	0.1	0.4	0.2	0.3	0.6
			Ash	g/m ² /month	2.5	1.6	0.3	0.4	0.3	0.2	0.1	0.2	0.2	0.3	0.4	2.0
			Total Insoluble Solids	g/m ² /month	3.1	2.3	0.5	0.5	0.8	0.3	0.1	0.2	0.6	0.5	0.7	2.6
N/A	DDG-C2	Mayfield East	Combustible Matter	g/m ² /month	0.9	1.1	0.4	0.4	0.2	0.2	0.1	0.3	0.4	0.3	0.3	0.5
			Ash	g/m ² /month	2.7	1.1	0.5	1.2	0.3	0.3	<0.1	0.5	0.5	0.5	0.6	0.6
			Total Insoluble Solids	g/m ² /month	3.6	2.2	0.9	1.6	0.5	0.5	0.1	0.8	0.9	0.8	0.9	1.1
N/A	DDG-C6	Tighes Hill	Combustible Matter	g/m ² /month	0.9	0.6	0.4	0.4	0.2	0.2	0.1	0.5	0.6	0.4	0.4	0.6
			Ash	g/m ² /month	3.1	1.5	0.7	0.8	0.4	0.4	0.2	0.6	1.0	1.3	0.8	1.6
			Total Insoluble Solids	g/m ² /month	4.0	2.1	1.1	1.2	0.6	0.6	0.3	1.1	1.6	1.7	1.2	2.2
N/A	DDG-C9	Carrington	Combustible Matter	g/m ² /month	1.2	0.8	0.6	0.2	0.3	0.5	0.4	0.4	0.9	0.6	0.4	0.5
			Ash	g/m ² /month	4.2	2.3	0.6	0.5	0.8	1.3	1.3	1.0	1.7	1.0	0.6	0.9
			Total Insoluble Solids	g/m ² /month	5.4	3.1	1.2	0.7	1.1	1.8	1.7	1.4	2.6	1.6	1.0	1.4

EPL MONITORING DATA: CARRINGTON COAL TERMINAL
AMBIENT DUST MONITORING – DEPOSITED DUST

Sample Period					Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	
Sample Date					29/01/2021	01/03/2021	31/03/2021	29/04/2021	31/05/2021	30/06/2021	29/07/2021	30/08/2021	29/09/2021	30/10/2021	29/11/2021	30/12/2021	
Date Data Obtained					11/02/2021	15/03/2021	05/05/2021	17/05/2021	17/06/2021	14/07/2021	13/08/2021	15/09/2021	14/10/2021	15/11/2021	20/12/2021	17/01/2022	
Date Data Published					17/02/2021	23/03/2021	13/05/2021	27/05/2021	01/07/2021	22/07/2021	26/08/2021	23/09/2021	21/10/2021	25/11/2021	30/12/2021	20/01/2022	
EPA ID No.	PWCS ID	Location	Analyte/Pollutant	Unit of Measure													
N/A	DDG-C1	Stockton	Combustible Matter	g/m ² /month	0.1	0.4	0.3	0.2	0.1	0.1	<0.1	<0.1	0.1	0.1	0.3	0.2	
			Ash	g/m ² /month	0.3	0.7	0.3	0.3	0.1	0.2	0.1	0.2	0.2	0.3	0.3	0.2	
			Total Insoluble Solids	g/m²/month	0.4	1.1	0.6	0.5	0.2	0.3	0.1	0.2	0.3	0.4	0.6	0.4	
N/A	DDG-C2	Mayfield East	Combustible Matter	g/m ² /month	0.2	0.5	0.3	0.2	0.1	0.1	<0.1	<0.1	0.2	0.4	0.4	0.5	
			Ash	g/m ² /month	0.2	0.4	0.4	0.2	0.1	0.2	0.2	0.2	0.3	0.6	0.4	0.4	
			Total Insoluble Solids	g/m²/month	0.4	0.9	0.7	0.4	0.2	0.3	0.2	0.2	0.5	1.0	0.8	0.9	
N/A	DDG-C6	Tighes Hill	Combustible Matter	g/m ² /month	0.4	0.6	0.6	0.3	<0.1	0.4	0.3	0.2	0.7	0.5	0.5	0.4	
			Ash	g/m ² /month	0.5	1.2	0.4	0.4	0.2	0.5	0.5	0.6	0.8	1.0	1.2	0.5	
			Total Insoluble Solids	g/m²/month	0.9	1.8	0.7	0.7	0.2	0.9	0.8	0.8	1.5	1.5	1.7	0.9	
N/A	DDG-C9	Carrington	Combustible Matter	g/m ² /month	0.5	0.8	0.6	0.2	0.2	N/A	N/A	0.4	1.5	0.6	0.5	0.5	
			Ash	g/m ² /month	0.8	1.3	0.7	1.1	0.7	N/A	N/A	1.0	1.4	1.2	1.0	0.8	
			Total Insoluble Solids	g/m²/month	1.3	2.1	1.3	1.3	0.9	N/A^A	N/A^A	1.4	2.9	1.8	1.5	1.3	

^A DDG-C9 was damaged during the month and a valid sample was unable to be collected

AMBIENT DUST MONITORING – HIGH VOLUME AIR SAMPLER

AMBIENT DUST MONITORING – HIGH VOLUME AIR SAMPLER

Monitoring frequency for High Volume Air Samplers is a 24hr period every six (6) days.

Note: µg/m³ refers to ‘micrograms per cubic metre.

On 1st February 2016, the EPA approved an amendment to the Carrington Coal Terminal Environment Protection Licence (EPL601), removing the requirement for ambient air quality monitoring due to the commencement of the [Newcastle Local Air Quality Monitoring Network](#).

Although Port Waratah is no longer obliged to publish ambient air quality data obtained after 1st February 2016, for historical continuity and transparency of data for the public, Port Waratah will continue to voluntarily publish ambient air quality data for the locations previously listed in EPL601.

EPA ID Number			N/A					N/A				
PWCS ID			HVAS-C1					HVAS-C2				
Location			Stockton					Mayfield East				
Analyte/Pollutant			Total Suspended Particulates					Total Suspended Particulates				
Unit of Measure			--	--	µg/m ³	µg/m ³	µg/m ³	--	--	µg/m ³	µg/m ³	µg/m ³
Sample Period	Date Data Obtained	Date Data Published	No. Measurements Required	No. Measurements Recorded	Min Value	Mean Value	Max Value	No. Measurements Required	No. Measurements Recorded	Min Value	Mean Value	Max Value
Jan 2018	12/2/2018	22/2/2018	0	6	41	58.2	82	0	6	37	53.8	67
Feb 2018	15/3/2018	20/3/2018	0	4	47	58.8	82	0	4	41	55.8	69
Mar 2018	13/4/2018	19/4/2018	0	3	23	54.0	75	0	5	26	47.4	76
Apr 2018	15/5/2018	18/5/2018	0	4	22	57.5	96	0	5	14	47.2	92
May 2018	15/6/2018	22/6/2018	0	6	31	45.0	59	0	6	25	37.0	45
Jun 2018	16/7/2018	23/7/2018	0	5	32	35.6	41	0	5	16	22.2	28
Jul 2018	14/8/2018	21/8/2018	0	5	47	67.6	103	0	5	44	60.8	92
Aug 2018	14/9/2018	18/9/2018	0	5	45	57.0	75	0	5	41	47.4	59
Sep 2018	12/10/2018	22/10/2018	0	5	21	50.4	70	0	5	20	40.2	48
Oct 2018	12/11/2018	26/11/2018	0	5	35	47.2	70	0	5	28	40.2	54
Nov 2018	13/12/2018	18/12/2018	0	5	47	62.8	89	0	5	40	59.4	81
Dec 2018	31/12/2018	12/2/2019	0	5	42	65.6	86	0	5	37	54.6	82
Jan 2019	15/02/2019	20/02/2019	0	5	58	74.6	91	0	5	42	65.4	87
Feb 2019	14/03/2019	26/03/2019	0	5	43	70.6	133	0	5	42	75.4	161
Mar 2019	12/04/2019	16/04/2019	0	5	20	44.2	64	0	5	17	39.8	52
Apr 2019	13/05/2019	14/05/2019	0	5	36	54.4	79	0	5	26	42.4	69
May 2019	13/06/2019	18/06/2019	0	5	41	49.4	62	0	5	37	42.0	44
Jun 2019	12/07/2019	17/07/2019	0	5	22	41.4	56	0	5	14	30.4	41
Jul 2019	13/08/2019	15/08/2019	0	6	24	41.8	57	0	6	15	33.7	49
Aug 2019	13/9/2019	19/9/2019	0	4	46	62.0	88	0	4	36	52.5	80
Sep 2019	16/10/2019	18/10/2019	0	6	31	41.8	58	0	6	14	35.2	51
Oct 2019	26/11/2019	26/11/2019	0	5	30	60.4	105	0	5	25	56.8	89
Nov 2019	17/12/2019	20/12/2019	0	5	5	77.4	141	0	5	34	85.2	137
Dec 2019	17/01/2020	30/01/2020	0	5	56	99.4	145	0	5	51	102.4	168

EPL MONITORING DATA: CARRINGTON COAL TERMINAL
AMBIENT DUST MONITORING – HIGH VOLUME AIR SAMPLER

EPA ID Number			N/A					N/A				
PWCS ID			HVAS-C1					HVAS-C2				
Location			Stockton					Mayfield East				
Analyte/Pollutant			Total Suspended Particulates					Total Suspended Particulates				
Unit of Measure			--	--	µg/m ³	µg/m ³	µg/m ³	--	--	µg/m ³	µg/m ³	µg/m ³
Sample Period	Date Data Obtained	Date Data Published	No. Measurements Required	No. Measurements Recorded	Min Value	Mean Value	Max Value	No. Measurements Required	No. Measurements Recorded	Min Value	Mean Value	Max Value
Jan 2020	19/02/2020	27/02/2020	0	5	43	69.0	100	0	5	41	65.2	85
Feb 2020	26/03/2020	26/03/2020	0	2	42	65.4	89	0	2	58	74.3	91
Mar 2020	20/04/2020	29/04/2020	0	5	21	39.4	60	0	5	21	35.4	56
Apr 2020	19/05/2020	20/05/2020	0	5	19	51.8	81	0	5	19	43.8	67
May 2020	23/06/2020	24/06/2020	0	5	28	37.4	55	0	5	24	33.4	53
Jun 2020	14/07/2020	23/07/2020	0	5	30	39.2	45	0	5	21	31.2	39
Jul 2020	17/08/2020	27/08/2020	0	6	21	36.2	44	0	6	16	31.0	48
Aug 2020	14/09/2020	17/09/2020	0	5	34	44.6	69	0	5	28	36.4	54
Sep 2020	16/10/2020	23/10/2020	0	5	32	51.4	71	0	5	26	44.2	75
Oct 2020	16/11/2020	04/12/2020	0	5	19	42.2	57	0	5	14	34.0	48
Nov 2020	16/12/2020	17/12/2020	0	5	38	56.0	87	0	5	22	46.2	75
Dec 2020	15/01/2021	21/01/2021	0	5	50	52.3	56	0	5	13	38.2	55
Jan 2021	11/02/2021	17/02/2021	0	5	22	47.0	71	0	5	20	36.2	60
Feb 2021	15/03/2021	23/03/2021	0	5	34	41.2	49	0	5	26	32.2	45
Mar 2021	05/05/2021	13/05/2021	0	5	20	28.8	32	0	5	19	26.6	35
Apr 2021	17/05/2021	27/05/2021	0	5	29	51.0	72	0	5	19	36.4	53
May 2021	17/06/2021	01/07/2021	0	5	33	35.2	39	0	5	23	27.0	32
Jun 2021	14/07/2021	22/07/2021	0	5	22	35.4	66	0	5	18	29.0	50
Jul 2021	13/08/2021	26/08/2021	0	5	33	40.8	58	0	5	22	34.0	52
Aug 2021	15/09/2021	23/09/2021	0	6	14	45.0	57	0	6	11	39.3	53
Sep 2021	14/10/2021	21/10/2021	0	5	37	44.3	88	0	5	26	41.8	66
Oct 2021	15/11/2021	25/11/2021	0	5	31	44.4	55	0	5	30	43.8	66
Nov 2021	20/12/2021	30/12/2021	0	5	20	34.0	44	0	5	22	30.6	45
Dec 2021	17/01/2022	20/01/2022	0	3	20	32.3	39	0	3	18	27.3	38

DISCHARGE TO WATERS – SETTLING POND DISCHARGE QUALITY MONITORING

DISCHARGE TO WATERS – SETTLING POND DISCHARGE QUALITY MONITORING

The Monitoring Frequency for Point II is 'monthly during discharge'.

Note: mg/L refers to 'milligrams per litre'

EPA ID Number			II		
Port Waratah ID			WW-C2		
Location			Carrington Coal Terminal, Settling Pond		
Analyte/Pollutant			pH	Total Suspended Solids	Volume
Unit of Measure			pH Units	mg/L	kL
EPL Limit			--	--	--
Sample Date	Date Data Obtained	Date Data First Published			
Jan 2018	--	22/2/2018	Nil Discharge from Settling Pond		
26 Feb 2018	6/3/2018	20/3/2018	7.15	234	4,954
21 Mar 2018	3/4/2018	19/4/2018	7.80	1,120	18,352
22 Mar 2018	3/4/2018	19/4/2018	6.90	172	5,803
3 Apr 2018	12/4/2018	19/4/2018	7.66	240	1,803
4 Apr 2018	12/4/2018	19/4/2018	7.72	448	433
May 2018	--	22/6/2018	Nil Discharge from Settling Pond		
2 Jun 2018	15/6/2018	22/6/2018	7.58	438	79
3 Jun 2018	15/6/2018	22/6/2018	7.66	408	2,637
4 Jun 2018	15/6/2018	22/6/2018	7.22	122	7,840
5 Jun 2018	15/6/2018	22/6/2018	7.59	200	2,625
6 Jun 2018	15/6/2018	22/6/2018	7.76	162	526
19 Jun 2018	16/7/2018	23/7/2018	8.25	302	7,749
20 Jun 2018	16/7/2018	23/7/2018	7.68	160	1,852
Jul 2018	--	21/8/2018	Nil Discharge from Settling Pond		
Aug 2018	--	18/9/2018	Nil Discharge from Settling Pond		
Sep 2018	--	22/10/2018	Nil Discharge from Settling Pond		
Oct 2018	--	26/11/2018	Nil Discharge from Settling Pond		
Nov 2018	--	18/12/2018	Nil Discharge from Settling Pond		
Dec 2018	--	12/2/2019	Nil Discharge from Settling Pond		
Jan 2019	--	20/02/2019	Nil Discharge from Settling Pond		
Feb 2019	--	26/03/2019	Nil Discharge from Settling Pond		
Mar 2019	--	16/04/2019	Nil Discharge from Settling Pond		
Apr 2019	--	13/05/2019	Nil Discharge from Settling Pond		
May 2019	--	13/06/2019	Nil Discharge from Settling Pond		
Jun 2019	--	17/07/2019	Nil Discharge from Settling Pond		
Jul 2019	--	15/08/2019	Nil Discharge from Settling Pond		
Aug 2019	--	19/09/2019	Nil Discharge from Settling Pond		
Sep 2019	--	18/10/2019	Nil Discharge from Settling Pond		
Oct 2019	--	26/11/2019	Nil Discharge from Settling Pond		
Nov 2019	--	20/12/2019	Nil Discharge from Settling Pond		
Dec 2019	--	30/01/2020	Nil Discharge from Settling Pond		
Jan 2020	--	27/02/2020	Nil Discharge from Settling Pond		
Feb 2020	--	26/03/2020	Nil Discharge from Settling Pond		
Mar 2020	--	29/04/2020	Nil Discharge from Settling Pond		
Apr 2020	--	20/05/2020	Nil Discharge from Settling Pond		
May 2020	--	24/06/2020	Nil Discharge from Settling Pond		
Jun 2020	--	23/07/2020	Nil Discharge from Settling Pond		
26 Jul 2020	17/08/2020	27/08/2020	8.01	1,470	19,227
27 Jul 2020	17/08/2020	27/08/2020	7.51	353	7,355
28 Jul 2020	17/08/2020	27/08/2020	8.03	424	10,323
Aug 2020	--	17/09/2020	Nil Discharge from Settling Pond		

DISCHARGE TO WATERS – SETTLING POND DISCHARGE QUALITY MONITORING

EPA ID Number			11		
Port Waratah ID			WW-C2		
Location			Carrington Coal Terminal, Settling Pond		
Analyte/Pollutant			pH	Total Suspended Solids	Volume
Unit of Measure			pH Units	mg/L	kL
EPL Limit			--	--	--
Sample Date	Date Data Obtained	Date Data First Published			
Sep 2020	--	23/10/2020	Nil Discharge from Settling Pond		
26 Oct 2020	16/11/2020	04/12/2020	7.75	118	6,624
27 Oct 2020	16/11/2020	04/12/2020	7.80	101	479
Nov 2020	--	17/12/2020	Nil Discharge from Settling Pond		
Dec 2020	--	21/01/2021	Nil Discharge from Settling Pond		
Jan 2021	--	17/02/2021	Nil Discharge from Settling Pond		
Feb 2021	--	23/03/2021	Nil Discharge from Settling Pond		
18 Mar 2021	05/05/2021	13/05/2021	7.56	302	5,264
19 Mar 2021	05/05/2021	13/05/2021	7.70	186	15,080
20 Mar 2021	05/05/2021	13/05/2021	7.86	124	13,995
21 Mar 2021	05/05/2021	13/05/2021	7.67	157	23,312
22 Mar 2021	05/05/2021	13/05/2021	7.67	51	23,642
23 Mar 2021	05/05/2021	13/05/2021	7.66	40	6,140
24 Mar 2021	05/05/2021	13/05/2021	7.71	38	2,281
Apr 2021	--	27/05/2021	Nil Discharge from Settling Pond		
May 2021	--	01/07/2021	Nil Discharge from Settling Pond		
Jun 2021	--	22/07/2021	Nil Discharge from Settling Pond		
Jul 2021	--	26/08/2021	Nil Discharge from Settling Pond		
Aug 2021	--	23/09/2021	Nil Discharge from Settling Pond		
Sep 2021	--	21/10/2021	Nil Discharge from Settling Pond		
Oct 2021	--	25/11/2021	Nil Discharge from Settling Pond		
12 Nov 2021	20/12/2021	30/12/2021	7.85	172	66
12 Nov 2021	20/12/2021	30/12/2021	7.57	263	1,559
Dec 2021	--	20/01/2022	Nil Discharge from Settling Pond		

**DISCHARGE TO WATERS – ROUTINE SEWAGE TREATMENT PLANT
DISCHARGE QUALITY & VOLUME MONITORING**

DISCHARGE TO WATERS – ROUTINE SEWAGE TREATMENT PLANT DISCHARGE QUALITY & VOLUME MONITORING

Monitoring Frequency for routine Sewage Treatment Plant discharge quality is monthly during discharge, and daily for volume.

Note: mg/L refers to ‘milligrams per litre’, CFU/100mL refers to ‘colony forming units per 100 millilitres’, and kL/day refers to ‘kilolitres per day’

EPA ID Number				12										
Port Waratah ID				WW-C1										
Location				Carrington Coal Terminal, Sewage Treatment Plant										
Analyte/Pollutant				Biological Oxygen Demand	Faecal Coliforms	Nitrogen (total)	Oil and Grease	pH	Phosphorus (total)	Total Suspended Solids	No. Volume M'ments	Min Daily Discharge Vol	Ave Daily Discharge Vol	Max Daily Discharge Vol
Unit of Measure				mg/L	CFU/100mL	mg/L	mg/L	pH	mg/L	mg/L	--	kL/day	kL/day	kL/day
EPL Limit				20	100	10	10	6.5 to 8.5	3	30	--	--	--	48
Sample Period	Sample Date (ex Volume m'ments)	Date Data Obtained	Date Data Published											
Jan 2018	--	12/2/2018	22/2/2018	No sample collected as there was nil discharge							31	0	0.0	0
Feb 2018	--	15/3/2018	20/3/2018	No sample collected as there was nil discharge							28	0	0.0	0
Mar 2018	--	13/4/2018	19/4/2018	No sample collected as there was nil discharge							31	0	0.0	0
Apr 2018	--	15/5/2018	18/5/2018	No sample collected as there was nil discharge							30	0	0.0	0
May 2018	--	15/6/2018	22/6/2018	No sample collected as there was nil discharge							31	0	0.0	0
Jun 2018	--	16/7/2018	23/7/2018	No sample collected as there was nil discharge							30	0	0.0	0
Jul 2018	--	14/8/2018	21/8/2018	No sample collected as there was nil discharge							31	0	0.0	0
Aug 2018	--	14/9/2018	18/9/2018	No sample collected as there was nil discharge							31	0	0.0	0
Sep 2018	--	12/10/2018	22/10/2018	No sample collected as there was nil discharge							30	0	0.0	0
Oct 2018	--	12/11/2018	26/11/2018	No sample collected as there was nil discharge							31	0	0.0	0
Nov 2018	--	13/12/2018	18/12/2018	No sample collected as there was nil discharge							30	0	0.0	0
Dec 2018	--	31/12/2018	12/2/2019	No sample collected as there was nil discharge							31	0	0.0	0
Jan 2019	--	15/02/2019	20/02/2019	No sample collected as there was nil discharge							31	0	0.0	0
Feb 2019	--	14/03/2019	26/03/2019	No sample collected as there was nil discharge							28	0	0.0	0
Mar 2019	--	12/04/2019	16/04/2019	No sample collected as there was nil discharge							31	0	0.0	0
Apr 2019	--	13/05/2019	14/05/2019	No sample collected as there was nil discharge							30	0	0.0	0
May 2019	--	13/06/2019	18/06/2019	No sample collected as there was nil discharge							31	0	0.0	0
Jun 2019	--	12/07/2019	17/07/2019	No sample collected as there was nil discharge							30	0	0.0	0
Jul 2019	--	13/08/2019	15/08/2019	No sample collected as there was nil discharge							31	0	0.0	0
Aug 2019	--	13/09/2019	19/09/2019	No sample collected as there was nil discharge							31	0	0.0	0
Sep 2019	--	16/10/2019	18/10/2019	No sample collected as there was nil discharge							30	0	0.0	0
Oct 2019	--	26/11/2019	26/11/2019	No sample collected as there was nil discharge							31	0	0.0	0

EPL MONITORING DATA: CARRINGTON COAL TERMINAL

**DISCHARGE TO WATERS – ROUTINE SEWAGE TREATMENT PLANT
DISCHARGE QUALITY & VOLUME MONITORING**

EPA ID Number				12										
Port Waratah ID				WW-C1										
Location				Carrington Coal Terminal, Sewage Treatment Plant										
Analyte/Pollutant				Biological Oxygen Demand	Faecal Coliforms	Nitrogen (total)	Oil and Grease	pH	Phosphorus (total)	Total Suspended Solids	No. Volume M'ments	Min Daily Discharge Vol	Ave Daily Discharge Vol	Max Daily Discharge Vol
Unit of Measure				mg/L	CFU/100mL	mg/L	mg/L	pH	mg/L	mg/L	--	kL/day	kL/day	kL/day
EPL Limit				20	100	10	10	6.5 to 8.5	3	30	--	--	--	48
Sample Period	Sample Date (ex Volume m'ments)	Date Data Obtained	Date Data Published											
Nov 2019	--	17/12/2019	20/12/2019	No sample collected as there was nil discharge							30	0	0.0	0
Dec 2019	--	17/01/2020	30/01/2020	No sample collected as there was nil discharge							31	0	0.0	0
Jan 2020	--	19/02/2020	27/02/2020	No sample collected as there was nil discharge							31	0	0.0	0
Feb 2020	--	26/03/2020	26/03/2020	No sample collected as there was nil discharge							29	0	0.0	0
Mar 2020	--	20/04/2020	29/04/2020	No sample collected as there was nil discharge							31	0	0.0	0
Apr 2020	--	19/05/2020	20/05/2020	No sample collected as there was nil discharge							30	0	0.0	0
May 2020	--	23/06/2020	24/06/2020	No sample collected as there was nil discharge							31	0	0.0	0
Jun 2020	--	14/07/2020	23/07/2020	No sample collected as there was nil discharge							30	0	0.0	0
Jul 2020	--	17/08/2020	27/08/2020	No sample collected as there was nil discharge							31	0	0.0	0
Aug 2020	--	14/09/2020	17/09/2020	No sample collected as there was nil discharge							31	0	0.0	0
Sep 2020	--	16/10/2020	23/10/2020	No sample collected as there was nil discharge							30	0	0.0	0
Oct 2020	--	16/11/2020	04/12/2020	No sample collected as there was nil discharge							31	0	0.0	0
Nov 2020	--	16/12/2020	17/12/2020	No sample collected as there was nil discharge							30	0	0.0	0
Dec 2020	--	15/01/2021	21/01/2021	No sample collected as there was nil discharge							31	0	0.0	0
Jan 2021	--	11/02/2021	17/02/2021	No sample collected as there was nil discharge							31	0	0.0	0
Feb 2021	--	15/03/2021	23/03/2021	No sample collected as there was nil discharge							28	0	0.0	0
Mar 2021	--	05/05/2021	13/05/2021	No sample collected as there was nil discharge							31	0	0.0	0
Apr 2021	--	17/05/2021	27/05/2021	No sample collected as there was nil discharge							30	0	0.0	0
May 2021	--	17/06/2021	01/07/2021	No sample collected as there was nil discharge							31	0	0.0	0
Jun 2021	--	14/07/2021	22/07/2021	No sample collected as there was nil discharge							30	0	0.0	0
Jul 2021	--	13/08/2021	26/08/2021	No sample collected as there was nil discharge							31	0	0.0	0
Aug 2021	--	15/09/2021	23/09/2021	No sample collected as there was nil discharge							31	0	0.0	0
Sep 2021	--	14/10/2021	21/10/2021	No sample collected as there was nil discharge							30	0	0.0	0
Oct 2021	--	15/11/2021	25/11/2021	No sample collected as there was nil discharge							31	0	0.0	0
Nov 2021	--	20/12/2021	30/12/2021	No sample collected as there was nil discharge							30	0	0.0	0
Dec 2021	--	17/01/2022	20/01/2022	No sample collected as there was nil discharge							31	0	0.0	0

DISCHARGE TO WATERS CONTROLLED DISCHARGE FILTRATION SYSTEM QUALITY & VOLUME MONITORING

DISCHARGE TO WATERS – CONTROLLED DISCHARGE FILTRATION SYSTEM QUALITY & VOLUME MONITORING

The monitoring frequency for the CDFS is 'weekly during any discharge', and 'daily during discharge' for volume.

Note: mg/L refers to 'milligrams per litre', and kL refers to 'kilolitre'.

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M'ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m'ments)	Date Data Obtained	Date Data Published					
1-7 Jan 2018	--	12/2/2018	22/2/2018	--	--	0	--	0
8-14 Jan 2018	8/1/2018	12/2/2018	22/2/2018	7.69	23	3	503	1,239
15-21 Jan 2018	--	12/2/2018	22/2/2018	--	--	0	--	0
22-28 Jan 2018	--	12/2/2018	22/2/2018	--	--	0	--	0
29 Jan – 4 Feb 2018	2/2/2018	15/3/2018	20/3/2018	7.45	12	3	1,000	2,147
5-11 Feb 2018	5/2/2018	15/3/2018	20/3/2018	7.22	<5	2	327	369
12-18 Feb 2018	--	15/3/2018	20/3/2018	--	--	0	--	0
19-25 Feb 2018	20/2/2018	15/3/2018	20/3/2018	7.28	10	3	1,785	2,737
26 Feb – 4 Mar 2018	26/2/2018 28/2/2018 ^B	15/3/2018	20/3/2018	6.42 7.10	6 8	5	3,448	5,568
5-11 Mar 2018	--	13/4/2018	19/4/2018	--	--	0	--	0
12-18 Mar 2018	--	13/4/2018	19/4/2018	--	--	0	--	0
19-25 Mar 2018	21/3/2018	13/4/2018	19/4/2018	7.38	9	5	3,181	5,937
26 Mar – 1 Apr 2018	26/3/2018	13/4/2018	19/4/2018	7.19	9	3	853	1,984
2-8 Apr 2018	3/4/18	15/5/2018	18/5/2018	7.28	14	5	2,674	5,936
9-15 Apr 2018	--	15/5/2018	18/5/2018	--	--	0	--	0
16-22 Apr 2018	19/4/2018	15/5/2018	18/5/2018	7.37	<5	2	2,180	2,291
23-29 Apr 2018	29/4/2018	15/5/2018	18/5/2018	7.44	14	2	1,988	3,725
30 Apr – 6 May 2018	30/4/2018	15/5/2018	18/5/2018	7.08	14	1	4,592	4,592
7-13 May 2018	--	15/6/2018	22/6/2018	--	--	0	--	0
14-20 May 2018	14/5/18	15/6/2018	22/6/2018	7.70	<5	1	270	270
21-27 May 2018	--	15/6/2018	22/6/2018	--	--	0	--	0
28 May – 3 Jun 2018	2/6/2018	15/6/2018 16/7/2018 ^C	22/6/2018 23/7/2018	7.48	14	1	1,299	1,299
4-10 Jun 2018	4/6/2018	16/7/2018	23/7/2018	6.98	15	7	4,522	6,001
11-17 Jun 2018	11/6/2018	16/7/2018	23/7/2018	7.34	<5	5	2,114	5,809
18-24 Jun 2018	18/6/2018	16/7/2018	23/7/2018	7.86	19	6	4,135	5,939
25 Jun – 1 Jul 2018	25/6/2018	16/7/2018	23/7/2018	7.66	20	3	1,004	1,109

^B Re-sample collected following out of range pH result two days prior.

^C June data was obtained and published at a later date compared to May data.

EPL MONITORING DATA: CARRINGTON COAL TERMINAL

**DISCHARGE TO WATERS
CONTROLLED DISCHARGE FILTRATION SYSTEM
QUALITY & VOLUME MONITORING**

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M ³ ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m ³ ments)	Date Data Obtained	Date Data Published					
		14/8/2018 ^D	21/8/2018					
2-8 Jul 2018	3/7/2018	14/8/2018	21/8/2018	7.79	23	1	512	512
9-15 Jul 2018	--	14/8/2018	21/8/2018	--	--	0	--	0
16-22 Jul 2018	--	14/8/2018	21/8/2018	--	--	0	--	0
23-29 Jul 2018	--	14/8/2018	21/8/2018	--	--	0	--	0
30 Jul – 5 Aug 2018	--	14/8/2018 14/9/2018 ^E	21/8/2018 18/9/2018	--	--	0	--	0
6-12 Aug 2018	--	14/9/2018	18/9/2018	--	--	0	--	0
13-19 Aug 2018	--	14/9/2018	18/9/2018	--	--	0	--	0
20-26 Aug 2018	26/8/2018	14/9/2018	18/9/2018	7.87	8	1	460	460
27 Aug – 2 Sep 2018	27/8/2018	14/9/2018 12/10/2018 ^F	18/9/2018 22/10/2018	7.78	7	1	1,058	1,058
3-9 Sep 2018	3/9/2018	12/10/2018	22/10/2018	7.74	15	6	3,252	5,723
10-16 Sep 2018	15/9/2018	12/10/2018	22/10/2018	7.66	9	3	380	560
17-23 Sep 2018	17/9/2018	12/10/2018	22/10/2018	7.84	12	6	470	1,078
24-30 Sep 2018	24/9/2018	12/10/2018	22/10/2018	7.62	13	3	1,252	3,010
1-7 Oct 2018	5/10/2018	12/11/2018	26/11/2018	7.56	12	4	4,364	5,948
8-14 Oct 2018	8/10/2018	12/11/2018	26/11/2018	7.36	12	7	1,999	5,342
15-21 Oct 2018	17/10/2018	12/11/2018	26/11/2018	7.75	11	4	1,019	2,947
22-28 Oct 2018	--	12/11/2018	26/11/2018	--	--	0	--	0
29 Oct-4 Nov 2018	2/11/2018	13/12/2018	18/12/2018	8.1	8	1	35	35
5-11 Nov 2018	7/11/2018	13/12/2018	18/12/2018	7.8	6	2	772	1,192
12-18 Nov 2018	-	13/12/2018	18/12/2018	-	-	0	--	0
19-25 Nov 2018	-	13/12/2018	18/12/2018	-	-	0	--	0
26 Nov – 2 Dec 2018	28/11/2018	13/12/2018	18/12/2018	7.6	15	3	2,556	5,014
3-9 Dec 2018	-	31/12/2018	12/2/2019	-	-	0	--	0
10-16 Dec 2018	14/12/2018	31/12/2018	12/2/2019	7.7	14	1	251	251
17-23 Dec 2018	19/12/2018	31/12/2018	12/2/2019	7.6	15	2	815	1,609
24-30 Dec 2018	-	31/12/2018	12/2/2019	-	-	0	--	0
31 Dec 2018 – 6 Jan 2019	-	15/2/2019	20/2/2019	-	-	0	--	0
7-13 Jan 2019	7/1/2019	15/2/2019	20/2/2019	7.9	6	1	289	289
14-20 Jan 2019	-	15/2/2019	20/2/2019	-	-	0	--	0

^D July data obtained and published at a later date compared to June data
^E August data obtained and published at a later date compared to July data
^F September data obtained and published at a later date compared to July data

EPL MONITORING DATA: CARRINGTON COAL TERMINAL

**DISCHARGE TO WATERS
CONTROLLED DISCHARGE FILTRATION SYSTEM
QUALITY & VOLUME MONITORING**

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M ³ ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m ³ ments)	Date Data Obtained	Date Data Published					
21-27 Jan 2019	-	15/2/2019	20/2/2019	-	-	0	--	0
28 Jan – 3 Feb 2019	31/1/2019	15/2/2019	20/2/2019	7.7	<5	2	286	518
4-10 Feb 2019	10/2/2019	14/3/2019	26/3/2019	7.7	<5	2	228	421
11-17 Feb 2019	-	14/3/2019	26/3/2019	-	-	0	--	0
18-24 Feb 2019	19/02/2019	14/3/2019	26/3/2019	7.8	11	2	447	493
25 Feb – 3 Mar 2019	26/02/2019	14/3/2019	26/3/2019	7.9	10	1	287	287
4-10 Mar 2019	6/03/2019	12/4/2019	16/4/2019	7.7	19	2	284	313
11-17 Mar 2019	16/03/2019	12/4/2019	16/4/2019	7.5	20	2	2,760	3,513
18-24 Mar 2019	18/03/2019	12/4/2019	16/4/2019	7.2	12	3	793	1,654
25-31 Mar 2019	30/03/2019	12/4/2019	16/4/2019	7.3	8	3	2,998	6,000
1-7 Apr 2019	01/04/2019	13/05/2019	14/05/2019	7.67	12	7	1,544	4,286
8-14 Apr 2019	-	13/05/2019	14/05/2019	-	-	0	--	0
15-21 Apr 2019	15/04/2019	13/05/2019	14/05/2019	7.53	12	2	702	708
22-28 Apr 2019	-	13/05/2019	14/05/2019	-	-	0	--	0
29 Apr – 5 May 2019	03/05/2019	13/06/2019	18/06/2019	7.50	14	3	1,550	3,247
6-12 May 2019	06/05/2019	13/06/2019	18/06/2019	7.27	15	1	414	414
13-19 May 2019	--	13/06/2019	18/06/2019	--	--	0	--	0
20-26 May 2019	20/05/2019	13/06/2019	18/06/2019	7.48	<5	4	293	371
27 May – 2 Jun 2019	27/05/2019	12/07/2019	17/07/2019	7.31	10	6	2,416	5,963
3-9 Jun 2019	03/06/2019	12/07/2019	17/07/2019	7.15	11	5	2,457	5,464
10-16 Jun 2019	12/06/2019	12/07/2019	17/07/2019	7.49	10	1	889	889
17-23 Jun 2019	17/06/2019	12/07/2019	17/07/2019	7.66	17	4	2,434	4,804
24-30 Jun 2019	24/06/2019	12/07/2019	17/07/2019	6.98	16	3	3,708	4,548
1-7 Jul 2019	02/07/2019	13/08/2019	15/08/2019	7.66	<5	3	610	976
8-14 Jul 2019	--	13/08/2019	15/08/2019	--	--	0	--	0
15-21 Jul 2019	--	13/08/2019	15/08/2019	--	--	0	--	0
22-28 Jul 2019	--	13/08/2019	15/08/2019	--	--	0	--	0
29 Jul-4 Aug 2019	30/07/2019	13/08/2019	15/08/2019	7.72	12	1	784	784
5-11 Aug 2019	--	13/09/2019	19/09/2019	--	--	0	--	0
12-18 Aug 2019	--	13/09/2019	19/09/2019	--	--	0	--	0
19-25 Aug 2019	--	13/09/2019	19/09/2019	--	--	0	--	0
26-31 Aug 2019	30/08/2019	16/10/2019	18/10/2019	7.42	12	4	3,465	4,136
2-8 Sep 2019	02/09/2019	16/10/2019	18/10/2019	7.15	13	6	3,368	5,999
9-15 Sep 2019	--	16/10/2019	18/10/2019	--	--	0	--	0
16-22 Sep 2019	17/09/2019	16/10/2019	18/10/2019	7.60	17	5	3,111	5,999

EPL MONITORING DATA: CARRINGTON COAL TERMINAL

**DISCHARGE TO WATERS
CONTROLLED DISCHARGE FILTRATION SYSTEM
QUALITY & VOLUME MONITORING**

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M ³ ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m ³ ments)	Date Data Obtained	Date Data Published					
23-29 Sep 2019	--	16/10/2019	18/10/2019	--	--	0	--	0
30 Sep – 6 Oct 2019	5/10/2019	26/11/2019	26/11/2019	7.91	18	1	806	806
7-13 Oct 2019	11/10/2019	26/11/2019	26/11/2019	7.61	12	3	2,178	5,196
14-20 Oct 2019	16/10/2019	26/11/2019	26/11/2019	7.61	12	2	382	717
21-27 Oct 2019	--	26/11/2019	26/11/2019	--	--	0	--	0
28-31 Oct 2019	--	26/11/2019	26/11/2019	--	--	1	2,114	2,114
1-3 Nov 2019	03/11/2019	17/11/2019	20/11/2019	7.46	30	1	109	109
4-10 Nov 2019	04/11/2019	17/12/2019	20/12/2019	7.45	26	0	--	0
11-17 Nov 2019	--	17/12/2019	20/12/2019	--	--	2	109	185
18-24 Nov 2019	22/11/2019	17/12/2019	20/12/2019	7.73	10	3	1,359	2,926
25 Nov – 1 Dec 2019	25/11/2019	17/12/2019	20/12/2019	7.65	7	0	--	0
2-8 Dec 2019	--	17/01/2020	30/01/2020	--	--	0	--	0
9-15 Dec 2019	--	17/01/2020	30/01/2020	--	--	0	--	0
16-22 Dec 2019	20/12/2019	17/01/2020	30/01/2020	7.61	10	2	16	18
23-29 Dec 2019	--	17/01/2020	30/01/2020	--	--	0	--	0
30 Dec 2019 – 5 Jan 2020	--	19/02/2020	27/02/2020	--	--	0	--	0
6-12 Jan 2020	--	19/02/2020	27/02/2020	--	--	0	--	0
13-19 Jan 2020	16/01/2020	19/02/2020	27/02/2020	6.80	13	3	529	702
20-26 Jan 2020	25/01/2020	19/02/2020	27/02/2020	7.73	<5	1	423	423
27 Jan – 2 Feb 2020	28/01/2020	19/02/2020	27/02/2020	7.79	9	1	569	569
3-9 Feb 2020	07/02/2020	26/03/2020	26/03/2020	7.51	17	4	3,545	5,631
10-16 Feb 2020	11/02/2020	26/03/2020	26/03/2020	7.68	16	4	5,181	5,991
17-23 Feb 2020	17/02/2020	26/03/2020	26/03/2020	7.88	16	2	311	312
24 Feb – 1 Mar 2020	26/02/2020	26/03/2020	26/03/2020	7.94	13	3	2,192	3,661
2-8 Mar 2020	04/03/2020	20/04/2020	29/04/2020	7.98	5	4	1,968	4,656
9-15 Mar 2020	--	20/04/2020	29/04/2020	--	--	1	312	312
16-22 Mar 2020	16/03/2020	20/04/2020	29/04/2020	7.80	16	1	65	65
23-29 Mar 2020	25/03/2020	20/04/2020	29/04/2020	8.14	14	5	4,927	5,991
30 Mar – 5 Apr 2020	30/03/2020	20/04/2020	29/04/2020	7.68	22	5	1,384	3,231
6-12 Apr 2020	10/04/2020	19/05/2020	20/05/2020	7.77	17	1	520	520
13-19 Apr 2020	--	19/05/2020	20/05/2020	--	--	0	--	0
20-26 Apr 2020	--	19/05/2020	20/05/2020	--	--	1	45	45
27 Apr – 3 May 2020	27/04/2020	19/05/2020	20/05/2020	7.78	<5	2	2,045	3,621
4-10 May 2020	--	23/06/2020	24/06/2020	--	--	0	--	0
11-17 May 2020	14/05/2020	23/06/2020	24/06/2020	7.56	30	2	956	1,492

EPL MONITORING DATA: CARRINGTON COAL TERMINAL

**DISCHARGE TO WATERS
CONTROLLED DISCHARGE FILTRATION SYSTEM
QUALITY & VOLUME MONITORING**

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M'ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m'ments)	Date Data Obtained	Date Data Published					
18-24 May 2020	18/05/2020	23/06/2020	24/06/2020	7.44	18	2	834	1,262
25-31 May 2020	25/05/2020	23/06/2020	24/06/2020	7.79	24	3	2,795	4,311
1-7 Jun 2020	--	14/07/2020	23/07/2020	--	--	0	--	0
8-14 Jun 2020	09/07/2020	14/07/2020	23/07/2020	7.85	23	6	1,840	4,033
15-21 Jun 2020	21/07/2020	14/07/2020	23/07/2020	7.63	20	1	818	818
22-28 Jun 2020	--	14/07/2020	23/07/2020	--	--	0	--	0
29 Jun – 5 Jul 2020	--	14/07/2020	23/07/2020	--	--	0	--	0
6-12 Jul 2020	--	17/08/2020	27/08/2020	--	--	0	--	0
13-19 Jul 2020	13/07/2020	17/08/2020	27/08/2020	7.71	24	3	2,444	5,990
20-26 Jul 2020	26/07/2020	17/08/2020	27/08/2020	7.88	12	2	1,446	2,512
27 Jul – 2 Aug 2020	28/07/2020	17/08/2020	27/08/2020	6.95	26	5	4,381	5,991
3-9 Aug 2020	5/09/2020	14/09/2020	17/09/2020	7.61	15	4	770	955
10-16 Aug 2020	10/09/2020	14/09/2020	17/09/2020	7.70	16	1	1,045	1,045
17-23 Aug 2020	--	14/09/2020	17/09/2020	--	--	0	--	0
24-30 Aug 2020	--	14/09/2020	17/09/2020	--	--	0	--	0
31 Aug – 6 Sep 2020	--	14/09/2020	17/09/2020	--	--	0	--	0
7-13 Sep 2020	--	16/10/2020	23/10/2020	--	--	0	--	0
14-20 Sep 2020	--	16/10/2020	23/10/2020	--	--	0	--	0
21-27 Sep 2020	--	16/10/2020	23/10/2020	--	--	0	--	0
28 Sep – 4 Oct 2020	--	16/10/2020	23/10/2020	--	--	0	--	0
5-11 Oct 2020	--	16/11/2020	04/12/2020	--	--	0	--	0
12-18 Oct 2020	19/10/2020	16/11/2020	04/12/2020	26	<5	1	1,494	1,494
19-25 Oct 2020	19/10/2020	16/11/2020	04/12/2020	14	<5	3	2,990	4,645
26 Oct – 1 Nov 2020	26/10/2020	16/11/2020	04/12/2020	10	<5	7	3,965	5,991
2-8 Nov 2020	04/11/2020	16/12/2020	17/12/2020	6.91	7	3	2,298	3,372
9-15 Nov 2020	13/11/2020	16/12/2020	17/12/2020	7.60	13	1	474	474
16-22 Nov 2020	16/11/2020	16/12/2020	17/12/2020	7.53	14	2	1,469	2,063
23-29 Nov 2020	--	16/12/2020	17/12/2020	--	--	0	--	0
30 Nov – 6 Dec 2020	5/12/2020	15/12/2020	21/01/2021	7.49	14	1	1,297	1,297
7-13 Dec 2020	--	15/12/2020	21/01/2021	--	--	0	--	0
14-20 Dec 2020	15/12/2020	15/12/2020	21/01/2021	7.80	23	3	815	1,052
21-27 Dec 2020	21/12/2020	15/12/2020	21/01/2021	7.42	<5	2	4,836	4,856
28 Dec 2020 – 3 Jan 2021	28/12/2020	15/12/2020	21/01/2021	7.80	7	4	1,518	2,265
4-10 Jan 2021	04/01/2021	11/01/2021	17/01/2021	7.26	15	1	2,015	2,015
11-17 Jan 2021	--	11/01/2021	17/01/2021	--	--	0	--	0

EPL MONITORING DATA: CARRINGTON COAL TERMINAL

**DISCHARGE TO WATERS
CONTROLLED DISCHARGE FILTRATION SYSTEM
QUALITY & VOLUME MONITORING**

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M ³ ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m ³ ments)	Date Data Obtained	Date Data Published					
18-24 Jan 2021	--	11/01/2021	17/01/2021	--	--	0	--	0
25-31 Jan 2021	27/01/2021	11/01/2021	17/01/2021	7.62	6	5	3,425	5,991
1-7 Feb 2021	01/02/2021	15/03/2021	23/03/2021	7.64	12	2	1,732	2,931
8-14 Feb 2021	13/02/2021	15/03/2021	23/03/2021	7.58	15	1	1,207	1,207
15-21 Feb 2021	16/02/2021	15/03/2021	23/03/2021	7.82	21	5	1,054	1,688
22-28 Feb 2021	22/02/2021	15/03/2021	23/03/2021	7.44	11	5	1,394	3,261
1-7 Mar 2021	03/03/2021	05/05/2021	13/05/2021	7.64	15	2	226	245
8-14 Mar 2021	14/03/2021	05/05/2021	13/05/2021	7.65	<5	1	2,068	2,068
15-21 Mar 2021	15/03/2021	05/05/2021	13/05/2021	7.44	10	7	2,899	5,532
22-28 Mar 2021	22/03/2021	05/05/2021	13/05/2021	7.55	12	7	4,635	5,859
29 Mar – 4 Apr 2021	30/03/2021	05/05/2021	13/05/2021	7.77	16	3	330	552
5-11 Apr 2021	--	17/05/2021	27/05/2021	--	--	0	--	0
12-18 Apr 2021	17/04/2021	17/05/2021	27/05/2021	7.81	7	3	304	719
19-25 Apr 2021	--	17/05/2021	27/05/2021	--	--	0	--	0
26 Apr -2 May 2021	--	17/05/2021	27/05/2021	--	--	0	--	0
3-9 May 2021	06/05/2021	17/06/2021	01/7/2021	7.60	24	3	831	1,247
10-16 May 2021	--	17/06/2021	01/7/2021	--	--	0	--	0
17-23 May 2021	21/05/2021	17/06/2021	01/7/2021	7.59	17	2	688	688
24-30 May 2021	--	17/06/2021	01/07/2021	--	--	0	--	0
31 May – 6 Jun 2021	03/06/2021	14/07/2021	22/07/2021	8.02	7	1	620	620
7-13 Jun 2021	08/06/2021	14/07/2021	22/07/2021	7.41	<5	3	312	692
14-20 Jun 2021	19/06/2021	14/07/2021	22/07/2021	7.23	20	2	1,833	2,135
21 – 27 Jun 2021	22/06/2021	14/07/2021	22/07/2021	7.15	15	1	156	156
28 Jun – 4 Jul 2021	28/06/2021	14/07/2021	22/07/2021	6.82	18	2	1,841	2,299
5 – 11 Jul 2021	--	13/08/2021	26/08/2021	--	--	0	--	0
12 – 18 Jul 2021	--	13/08/2021	26/08/2021	--	--	0	--	0
19 – 25 Jul 2021	--	13/08/2021	26/08/2021	--	--	0	--	0
26 Jul – 1 Aug 2021	--	13/08/2021	26/08/2021	--	--	0	--	0
2 – 8 Aug 2021	--	15/09/2021	23/09/2021	--	--	0	--	0
9 – 15 Aug 2021	--	15/09/2021	23/09/2021	--	--	0	--	0
16 – 22 Aug 2021	16/08/2021	15/09/2021	23/09/2021	7.46	17	1	66	66
23 – 29 Aug 2021	24/08/2021	15/09/2021	23/09/2021	6.87	17	2	2,001	3,335
30 – 31 Aug 2021	--	15/09/2021	23/09/2021	--	--	0	--	0
1 – 5 Sep 2021	--	14/10/2021	21/10/2021	--	--	0	--	0
6 – 12 Sep 2021	--	14/10/2021	21/10/2021	--	--	0	--	0

DISCHARGE TO WATERS CONTROLLED DISCHARGE FILTRATION SYSTEM QUALITY & VOLUME MONITORING

EPA ID Number				13				
Port Waratah ID				WW-C3				
Location				Carrington Coal Terminal, Controlled Discharge Filtration System				
Analyte/Pollutant				pH	Total Suspended Solids	No. Discharge Volume M'ments	Ave Discharge Day Vol	Max Discharge Day Vol
Unit of Measure				pH	mg/L	--	kL/day	kL/day
EPL Limit				6.5 to 8.5	30	--	--	6,000
Sample Period	Sample Date (ex Volume m'ments)	Date Data Obtained	Date Data Published					
13 – 19 Sep 2021	15/09/2021	14/10/2021	21/10/2021	6.85	12	2	2,085	2,871
20 – 26 Sep 2021	--	14/10/2021	21/10/2021	--	--	0	--	0
27 – 30 Sep 2021	--	14/10/2021	21/10/2021	--	--	0	--	0
1 – 3 Oct 2021	--	15/11/2021	25/11/2021	--	--	0	--	0
4 – 10 Oct 2021	--	15/11/2021	25/11/2021	--	--	0	--	0
11 – 17 Oct 2021	13/10/2021	15/11/2021	25/11/2021	7.14	11	2	1,802	1,802
18 – 24 Oct 2021	--	15/11/2021	25/11/2021	--	--	0	--	0
25 – 31 Oct 2021	--	15/11/2021	25/11/2021	--	--	0	--	0
1 – 7 Nov 2021	--	20/12/2021	30/12/2021	--	--	0	--	0
8 – 14 Nov 2021	10/11/2021	20/12/2021	30/12/2021	7.47	8	5	2,963	4,283
15 – 21 Nov 2021	15/11/2021	20/12/2021	30/12/2021	7.67	20	4	2,082	3,500
22 – 28 Nov 2021	23/11/2021	20/12/2021	30/12/2021	7.10	6	6	3,401	4,776
29 – 30 Nov 2021	29/11/2021	20/12/2021	30/12/2021	7.54	16	2	1,496	1,602
1 – 5 Dec 2021	--	17/01/2022	20/01/2022	--	--	0	--	0
6 – 12 Dec 2021	06/12/2021	17/01/2022	20/01/2022	7.73	16	4	593	637
13 – 19 Dec 2021	--	17/01/2022	20/01/2022	--	--	0	--	0
20 – 26 Dec 2021	--	17/01/2022	20/01/2022	--	--	0	--	0
27 – 31 Dec 2021	--	17/01/2022	20/01/2022	--	--	0	--	0

DATA CORRECTION LOG

DATA CORRECTION LOG

EPA ID No.	Analyte/ Pollutant	Sample Date	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason for Correction

EPL MONITORING DATA: CARRINGTON COAL TERMINAL
SITE MAP AND MONITORING LOCATIONS

SITE MAP AND MONITORING LOCATIONS



Figure 1: Environment Protection Licence 601 Monitoring Locations