



PORT WARATAH COAL SERVICES
EPL MONITORING DATA
KOORAGANG
COAL TERMINAL



PORT WARATAH
COAL SERVICES

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PREMISES DETAILS

| | |
|--|---|
| Environment Protection Licence Number: | 1552 |
| Licensee's Name: | Port Waratah Coal Services Limited |
| Premises Name: | Kooragang Coal Terminal |
| Premises Address: | Curlew Street, Kooragang Island NSW 2304 |
| Link to POEO Public Register: | Click Here |
| Link to EPL 1552 on POEO Public Register: | Click Here |

EPL MONITORING DATA: KOORAGANG 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’

| Sample Period | | | | | Apr 2012 | May 2012 | Jun 2012 | Jul 2012 | Aug 2012 | Sept 2012 | Oct 2012 | Nov 2012 | Dec 2012 | Jan 2013 | Feb 2013 | Mar 2013 |
|---------------------|---------|-----------------|-------------------------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------------|------------------|------------|-----------|-----------|-----------|
| Sample Date | | | | | 30/4/2012 | 30/5/2012 | 28/6/2012 | 30/7/2012 | 31/8/2012 | 28/9/2012 | 30/10/2012 | 29/11/2012 | 28/12/2012 | 29/1/2013 | 28/2/2013 | 28/3/2013 |
| Date Data Obtained | | | | | 23/5/2012 | 18/6/2012 | 16/7/2012 | 13/8/2012 | 13/9/2012 | 15/10/2012 | 12/11/2012 | 17/12/2012 | 14/1/2013 | 14/2/2013 | 14/3/2013 | 12/4/2013 |
| Date Data Published | | | | | 27/6/2012 | 27/6/2012 | 18/7/2012 | 27/8/2012 | 18/9/2012 | 18/10/2012 | 15/11/2012 | 20/12/2012 | 17/1/2013 | 19/2/2013 | 21/3/2013 | 17/4/2013 |
| EPA ID Number | PWCS ID | Location | Analyte/Pollutant | Unit of Measure | | | | | | | | | | | | |
| 1 | DDG-K1 | Stockton Centre | Combustible Matter | g/m ² /month | 0.5 | 0.5 | 0.7 | 0.4 | 1.0 | 0.8 | 1.1 | 1.0 | 0.6 | 0.7 | 0.3 | 0.7 |
| | | | Ash | g/m ² /month | 0.7 | 0.6 | 0.7 | 0.3 | 1.0 | 0.8 | 4.0 | 2.4 | 1.1 | 1.2 | 0.6 | 1.2 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 1.2 | 1.1 | 1.4 | 0.7 | 2.0 | 1.6 | 5.1 ^A | 3.4 ^A | 1.7 | 1.9 | 0.9 | 1.9 |
| 8 | DDG-K8 | Fern Bay | Combustible Matter | g/m ² /month | 0.1 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 2.0 | 0.4 | 0.3 | 0.4 | 0.1 | 0.2 |
| | | | Ash | g/m ² /month | 0.1 | 0.4 | 0.5 | 0.3 | 0.5 | 0.5 | 1.3 | 0.7 | 0.5 | 0.6 | 0.4 | 0.2 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.2 | 0.7 | 0.9 | 0.6 | 1.0 | 0.8 | 3.3 | 1.1 | 0.8 | 1.0 | 0.5 | 0.4 |

| Sample Period | | | | | Apr 2013 | May 2013 | Jun 2013 | Jul 2013 | Aug 2013 | Sept 2013 | Oct 2013 | Nov 2013 | Dec 2013 | Jan 2014 | Feb 2014 | Mar 2014 |
|---------------------|---------|-----------------|-------------------------------------|-------------------------|-------------------|-----------|-----------|-----------|-----------|------------------|------------|------------|------------|-----------|-----------|-----------|
| Sample Date | | | | | 29/4/2013 | 30/5/2013 | 28/6/2013 | 30/7/2013 | 29/8/2013 | 30/9/2013 | 29/10/2013 | 28/11/2013 | 30/12/2013 | 30/1/2014 | 27/2/2014 | 31/3/2014 |
| Date Data Obtained | | | | | 13/5/2013 | 14/6/2013 | 10/7/2013 | 9/8/2013 | 13/9/2013 | 14/10/2013 | 8/11/2013 | 10/12/2013 | 13/1/2014 | 17/2/2014 | 13/3/2014 | 14/4/2014 |
| Date Data Published | | | | | 21/5/2013 | 19/6/2013 | 15/7/2013 | 14/8/2013 | 17/9/2013 | 18/10/2013 | 14/11/2013 | 20/12/2013 | 21/1/2014 | 20/2/2014 | 21/3/2014 | 16/4/2014 |
| EPA ID Number | PWCS ID | Location | Analyte/Pollutant | Unit of Measure | | | | | | | | | | | | |
| 1 | DDG-K1 | Stockton Centre | Combustible Matter | g/m ² /month | 4.7 | 0.9 | 0.3 | 0.4 | 0.5 | 1.7 | 0.5 | 0.6 | 0.3 | 0.2 | 0.6 | 1.1 |
| | | | Ash | g/m ² /month | 9.9 | 1.5 | 0.3 | 0.5 | 0.5 | 1.0 | 0.8 | 3.8 | 0.7 | 0.3 | 2.0 | 5.3 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 14.6 ^B | 2.4 | 0.6 | 0.9 | 1.0 | 2.7 ^C | 1.3 | 4.4 | 1.0 | 0.5 | 2.6 | 6.4 |
| 8 | DDG-K8 | Fern Bay | Combustible Matter | g/m ² /month | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.5 | 0.6 | 0.4 | 0.3 | 0.3 | 0.6 | 0.3 |
| | | | Ash | g/m ² /month | 0.4 | 0.6 | 0.4 | 0.3 | 0.3 | 1.0 | 0.7 | 0.8 | 0.3 | 0.4 | 0.8 | 0.3 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.7 | 1.0 | 0.7 | 0.5 | 0.5 | 1.5 | 1.3 | 1.2 | 0.6 | 0.7 | 1.4 | 0.6 |

^A Contained contaminants (Coarse sand)

^B Contained contaminants (Bird droppings)

^C Contained contaminants (Bird droppings)

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

| Sample Period | | | | | Apr 2014 | May 2014 | Jun 2014 | Jul 2014 | Aug 2014 | Sept 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 |
|---------------------|---------|-----------------|-------------------------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-------------------|------------------|-------------------|------------------|-----------|-------------------|-------------------|
| Sample Date | | | | | 29/4/2014 | 29/5/2014 | 27/6/2014 | 29/7/2014 | 28/8/2014 | 29/9/2014 | 30/10/2014 | 27/11/2014 | 29/12/2014 | 29/1/2015 | 27/2/2015 | 30/3/2015 |
| Date Data Obtained | | | | | 14/5/2014 | 13/6/2014 | 10/7/2014 | 11/8/2014 | 11/9/2014 | 15/10/2014 | 14/11/2014 | 11/12/2014 | 16/1/2015 | 16/2/2015 | 12/3/2015 | 14/4/2015 |
| Date Data Published | | | | | 20/5/2014 | 20/6/2014 | 14/7/2014 | 20/8/2014 | 18/9/2014 | 20/10/2014 | 20/11/2014 | 15/12/2014 | 20/1/2015 | 24/2/2015 | 18/3/2015 | 17/4/2015 |
| EPA ID Number | PWCS ID | Location | Analyte/Pollutant | Unit of Measure | | | | | | | | | | | | |
| 1 | DDG-K1 | Stockton Centre | Combustible Matter | g/m ² /month | 1.8 | 0.6 | 0.4 | 1.0 | 1.5 | 0.7 | 2.2 | 1.9 | 2.0 | 0.8 | 4.7 | 6.7 |
| | | | Ash | g/m ² /month | 4.4 | 1.5 | 0.9 | 1.0 | 2.9 | 11.5 | 5.6 | 9.0 | 6.7 | 1.3 | 12.9 | 8.6 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 6.2 | 2.1 | 1.3 | 2.0 | 4.4 | 12.2 ^D | 7.8 ^D | 10.9 ^D | 8.7 ^D | 2.1 | 17.6 ^E | 15.3 ^F |
| 8 | DDG-K8 | Fern Bay | Combustible Matter | g/m ² /month | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.4 | 0.4 | 0.5 | 0.3 | 0.3 | 0.3 | 0.1 |
| | | | Ash | g/m ² /month | 0.3 | 0.3 | 0.3 | 0.6 | 0.8 | 0.3 | 0.4 | 0.9 | 0.4 | 0.3 | 0.2 | 0.3 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.6 | 0.6 | 0.6 | 1.0 | 1.1 | 0.7 | 0.8 | 1.4 | 0.7 | 0.6 | 0.5 | 0.4 |

| Sample Period | | | | | Apr 2015 | May 2015 | Jun 2015 | Jul 2015 | Aug 2015 | Sept 2015 | Oct 2015 | Nov 2015 | Dec 2015 | Jan 2016 | Feb 2016 |
|---------------------|---------|-----------------|-------------------------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|---|
| Sample Date | | | | | 29/4/2015 | 28/5/2015 | 29/6/2015 | 30/7/2015 | 28/8/2015 | 29/9/2015 | 29/10/2015 | 27/11/2015 | 29/12/2015 | 28/1/2016 | N/A |
| Date Data Obtained | | | | | 15/5/2015 | 11/6/2015 | 13/7/2015 | 11/8/2015 | 10/9/2015 | 14/10/2015 | 13/11/2015 | 11/12/2015 | 15/1/2016 | 15/2/2016 | N/A |
| Date Data Published | | | | | 22/5/2015 | 17/6/2015 | 14/7/2015 | 14/8/2015 | 18/9/2015 | 21/10/2015 | 17/11/2015 | 14/12/2015 | 19/1/2016 | 23/2/2016 | N/A |
| EPA ID Number | PWCS ID | Location | Analyte/Pollutant | Unit of Measure | | | | | | | | | | | |
| 1 | DDG-K1 | Stockton Centre | Combustible Matter | g/m ² /month | 0.7 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 | 0.4 | 0.3 | 0.4 | 0.3 | A licence amendment approved by the EPA on 22-Feb-2016 has removed Points 1 & 8 from EPL 1552 due to the establishment of the Newcastle Local Air Quality Monitoring Network. |
| | | | Ash | g/m ² /month | 0.7 | 0.4 | 0.2 | 0.4 | 0.2 | 0.4 | 0.4 | 0.3 | 0.2 | 0.2 | |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 1.4 | 0.6 | 0.3 | 0.6 | 0.5 | 0.6 | 0.8 | 0.6 | 0.6 | 0.5 | |
| 8 | DDG-K8 | Fern Bay | Combustible Matter | g/m ² /month | 0.5 | 0.2 | 0.1 | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.3 | |
| | | | Ash | g/m ² /month | 1.4 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.7 | 0.3 | 0.5 | 0.3 | |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 1.9 | 0.5 | 0.4 | 0.8 | 0.8 | 0.7 | 1.2 | 0.8 | 0.9 | 0.6 | |

^D EPA ID#1 contained a large proportion of sand for sample results in September, October, November and December 2014. Additionally bird droppings were observed in the October 2014 sample.

^E EPA ID#1 was identified by the laboratory to have been heavily contaminated with bird droppings

^F EPA ID#1 contained a large proportion of sand, as well as significant contamination from bird droppings

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

AMBIENT DUST MONITORING – DEPOSITED DUST

On 22nd February 2016, the EPA approved an amendment to the Kooragang Coal Terminal Environment Protection Licence (EPL1552), 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 22nd 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 EPL1552.

| Sample Period | | | | | Jan 2016 | Feb 2016 | Mar 2016 | Apr 2016 | May 2016 | Jun 2016 | Jul 2016 | Aug 2016 | Sep 2016 | Oct 2016 | Nov 2016 | Dec 2016 |
|---------------------|---------|-----------------|-------------------------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|-----------|
| Sample Date | | | | | 28/1/2016 | 26/2/2016 | 29/3/2016 | 28/4/2016 | 30/5/2016 | 29/6/2016 | 28/7/2016 | 29/8/2016 | 29/9/2016 | 28/10/16 | 29/11/2016 | 29/12/16 |
| Date Data Obtained | | | | | 15/2/2016 | 16/3/2016 | 14/4/2016 | 16/5/2016 | 10/6/2016 | 14/7/2016 | 15/8/2016 | 16/9/2016 | 14/10/2016 | 14/11/2016 | 16/12/2016 | 12/1/2017 |
| Date Data Published | | | | | 23/2/2016 | 19/5/2016 | 19/5/2016 | 19/5/2016 | 14/6/2016 | 20/7/2016 | 17/8/2016 | 23/9/2016 | 19/10/2016 | 16/11/2016 | 20/12/2016 | 13/1/2017 |
| EPA ID Number | PWCS ID | Location | Analyte/Pollutant | Unit of Measure | | | | | | | | | | | | |
| N/A | DDG-K1 | Stockton Centre | Combustible Matter | g/m ² /month | 0.3 | 0.4 | 0.1 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 |
| | | | Ash | g/m ² /month | 0.2 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.4 | 0.5 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.5 | 0.8 | 0.3 | 0.6 | 0.3 | 0.3 | 0.4 | 0.6 | 0.5 | 0.5 | 0.8 | 1.0 |
| N/A | DDG-K8 | Fern Bay | Combustible Matter | g/m ² /month | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.2 | 0.2 | 0.4 |
| | | | Ash | g/m ² /month | 0.3 | 0.2 | 0.5 | 0.2 | 0.3 | 0.3 | 0.4 | 0.7 | 0.5 | 0.3 | 0.4 | 0.6 |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.6 | 0.6 | 0.8 | 0.5 | 0.6 | 0.7 | 0.9 | 1.2 | 1.1 | 0.5 | 0.6 | 1.0 |

| Sample Period | | | | | Jan 2017 | Feb 2017 | Mar 2017 | Apr 2017 | May 2017 | Jun 2017 | Jul 2017 | Aug 2017 | Sep 2017 | Oct 2017 | Nov 2017 | Dec 2017 |
|---------------------|---------|-----------------|-------------------------------------|-------------------------|-----------|-----------|------------------|-----------|-----------|-----------|-----------|------------------|------------|------------|------------|----------|
| Sample Date | | | | | 27/1/2017 | 27/2/2017 | 30/3/2017 | 27/4/2017 | 29/5/2017 | 28/6/2017 | 28/7/2017 | 28/8/2017 | 28/9/2017 | 27/10/2017 | 28/11/2017 | |
| Date Data Obtained | | | | | 9/2/2017 | 14/3/2017 | 13/4/2017 | 15/5/2017 | 14/6/2017 | 19/7/2017 | 11/8/2017 | 13/9/2017 | 13/10/2017 | 15/11/2017 | 13/12/2017 | |
| Date Data Published | | | | | 16/2/2016 | 16/3/2017 | 21/4/2017 | 19/5/2017 | 19/6/2017 | 2/8/2017 | 14/8/2017 | 20/9/2017 | 19/10/2017 | 16/11/2017 | 19/12/2017 | |
| EPA ID Number | PWCS ID | Location | Analyte/Pollutant | Unit of Measure | | | | | | | | | | | | |
| N/A | DDG-K1 | Stockton Centre | Combustible Matter | g/m ² /month | 0.4 | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 | 0.4 | 0.3 | 0.4 | 0.4 | 0.2 | |
| | | | Ash | g/m ² /month | 0.3 | 0.3 | 0.1 | 0.3 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.7 | 0.6 | 0.3 | 0.6 | 0.5 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.6 | |
| N/A | DDG-K8 | Fern Bay | Combustible Matter | g/m ² /month | 0.4 | 0.4 | 0.3 | 0.5 | 0.2 | 0.4 | 0.5 | 1.6 | 0.5 | 0.4 | 0.3 | |
| | | | Ash | g/m ² /month | 0.3 | 0.3 | 0.3 | 0.5 | 0.2 | 0.3 | 0.4 | 3.0 | 0.4 | 0.6 | 0.8 | |
| | | | Total Insoluble Solids (Total Dust) | g/m ² /month | 0.7 | 0.7 | 0.6 ^G | 1.0 | 0.4 | 0.7 | 0.9 | 4.6 ^H | 0.9 | 1.0 | 1.1 | |

^G March 2017 result for DDG-K8 was identified by the laboratory to have been contaminated with bird droppings

^H August 2017 result for DDG-K8 contained a large proportion of sand

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 1: EPA Point 15 (directional HVA5-TSP, Fern Bay) operates for a 24hr period every six days. During this 24hr period, the unit operates when wind direction is from a West-Northwest to West-Southwest range for more than two minutes. When triggered the unit operates for a minimum of 6 minutes. A reportable result is when there has been a cumulative run time of at least four hours in the 24hr period. Refer to condition M2.4 of EPL 1552 for details.

Note 2: $\mu\text{g}/\text{m}^3$ refers to 'micrograms per cubic metre'

| EPA ID Number | | | 14 | | | | | 15 | | | | |
|-------------------|--------------------|---------------------|------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--|---------------------------|--------------------------|--------------------------|--------------------------|
| PWCS ID | | | HVA5-K2 | | | | | HVA5-K4 | | | | |
| Location | | | Fern Bay | | | | | Fern Bay | | | | |
| Analyte/Pollutant | | | Total Suspended Particulates | | | | | Total Suspended Particulates - Directional | | | | |
| Unit of Measure | | | -- | -- | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | -- | -- | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ |
| 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 |
| Apr 2012 | 23/5/2012 | 27/6/2012 | 5 | 5 | 19 | 45.0 | 78 | 1 | 1 | 48 | 48.0 | 48 |
| May 2012 | 18/6/2012 | 27/6/2012 | 5 | 5 | 24 | 38.6 | 46 | 3 | 3 | 55 | 59.0 | 63 |
| Jun 2012 | 16/7/2012 | 18/7/2012 | 5 | 5 | 25 | 38.2 | 52 | 3 | 3 | 26 | 47.0 | 59 |
| Jul 2012 | 13/8/2012 | 27/8/2012 | 6 | 6 | 12 | 28.3 | 36 | 3 | 3 | 35 | 40.0 | 47 |
| Aug 2012 | 13/9/2012 | 18/9/2012 | 5 | 5 | 30 | 52.4 | 65 | 4 | 4 | 49 | 68.0 | 92 |
| Sept 2012 | 15/10/2012 | 18/10/2012 | 5 | 5 | 47 | 66.0 | 96 | 3 | 3 | 80 | 105.7 | 134 |
| Oct 2012 | 12/11/2012 | 15/11/2012 | 5 | 5 | 36 | 58.2 | 83 | 1 | 1 | 50 | 50.0 | 50 |
| Nov 2012 | 17/12/2012 | 20/12/2012 | 5 | 5 | 23 | 40.4 | 61 | 2 | 2 | 51 | 61.5 | 72 |
| Dec 2012 | 14/1/2013 | 17/1/2013 | 5 | 5 | 20 | 44.8 | 52 | 2 | 2 | 16 | 47.5 | 79 |
| Jan 2013 | 14/2/2013 | 19/2/2013 | 5 | 5 | 23 | 47.6 | 90 | 0 | 0 | -- | -- | -- |
| Feb 2013 | 14/3/2013 | 21/3/2013 | 5 | 5 | 30 | 37.2 | 49 | 1 | 1 | 39 | 39.0 | 39 |
| Mar 2013 | 12/4/2013 | 17/4/2013 | 5 | 5 | 18 | 34.6 | 46 | 1 | 1 | 48 | 48.0 | 48 |
| Apr 2013 | 13/5/2013 | 21/5/2013 | 5 | 5 | 24 | 39.2 | 70 | 2 | 2 | 25 | 30.0 | 35 |
| May 2013 | 14/6/2013 | 19/6/2013 | 5 | 5 | 20 | 33.6 | 53 | 1 | 1 | 68 | 68.0 | 68 |
| Jun 2013 | 10/7/2013 | 15/7/2013 | 5 | 5 | 15 | 25.8 | 33 | 3 | 3 | 24 | 29.0 | 33 |
| Jul 2013 | 9/8/2013 | 14/8/2013 | 5 | 5 | 17 | 32.6 | 43 | 1 | 1 | 53 | 53.0 | 53 |
| Aug 2013 | 13/9/2013 | 17/9/2013 | 6 | 6 | 31 | 53.8 | 89 | 3 | 3 | 34 | 64.7 | 81 |
| Sep 2013 | 14/10/2013 | 18/10/2013 | 5 | 5 | 30 | 54.4 | 69 | 2 | 2 | 64 | 84.0 | 104 |
| Oct 2013 | 8/11/2013 | 14/11/2013 | 5 | 5 | 36 | 59.8 | 75 | 1 | 1 | 48 | 48.0 | 48 |
| Nov 2013 | 10/12/2013 | 20/10/2013 | 5 | 5 | 14 | 32.2 | 42 | 3 | 3 | 32 | 47.3 | 56 |
| Dec 2013 | 13/1/2014 | 21/1/2014 | 5 | 5 | 23 | 57.4 | 76 | 1 | 1 | 113 | 113.0 | 113 |
| Jan 2014 | 17/2/2014 | 20/2/2014 | 5 | 5 | 35 | 47.6 | 72 | 1 | 1 | 83 | 83.0 | 83 |
| Feb 2014 | 13/3/2014 | 21/3/2014 | 5 | 5 | 23 | 39.4 | 52 | 2 | 2 | 41 | 43.0 | 43 |
| Mar 2014 | 14/4/2014 | 16/4/2014 | 5 | 5 | 24 | 38.2 | 55 | 2 | 2 | 45 | 48.5 | 52 |
| Apr 2014 | 14/5/2014 | 20/5/2014 | 5 | 5 | 32 | 39.6 | 52 | 3 | 3 | 33 | 41.0 | 46 |

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

| EPA ID Number | | | 14 | | | | | 15 | | | | |
|-------------------|--------------------|---------------------|------------------------------|---------------------------|-------------------|-------------------|-------------------|--|---------------------------|-------------------|-------------------|-------------------|
| PWCS ID | | | HVAS-K2 | | | | | HVAS-K4 | | | | |
| Location | | | Fern Bay | | | | | Fern Bay | | | | |
| Analyte/Pollutant | | | Total Suspended Particulates | | | | | Total Suspended Particulates - Directional | | | | |
| 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 |
| May 2014 | 13/6/2014 | 20/6/2014 | 5 | 5 | 31 | 38.4 | 46 | 0 | 0 | -- | -- | -- |
| Jun 2014 | 10/7/2014 | 14/7/2014 | 5 | 5 | 24 | 33.2 | 41 | 1 | 1 | 30 | 30.0 | 30 |
| Jul 2014 | 11/8/2014 | 20/8/2014 | 5 | 5 | 14 | 40.2 | 52 | 0 | 0 | -- | -- | -- |
| Aug 2014 | 11/9/2014 | 18/9/2014 | 5 | 4 ¹ | 28 | 31.8 | 41 | 2 | 2 | 35 | 36.0 | 37 |
| Sep 2014 | 15/10/2014 | 20/10/2014 | 5 | 5 | 22 | 30.0 | 42 | 1 | 1 | 37 | 37.0 | 37 |
| Oct 2014 | 14/11/2014 | 20/11/2014 | 6 | 6 | 20 | 54.0 | 85 | 0 | 0 | -- | -- | -- |
| Nov 2014 | 11/12/2014 | 15/12/2014 | 5 | 5 | 38 | 42.6 | 56 | 0 | 0 | -- | -- | -- |
| Dec 2014 | 16/1/2015 | 20/1/2015 | 5 | 5 | 25 | 50.6 | 68 | 0 | 0 | -- | -- | -- |
| Jan 2015 | 16/2/2015 | 24/2/2015 | 5 | 5 | 20 | 34.0 | 43 | 0 | 0 | -- | -- | -- |
| Feb 2015 | 12/3/2015 | 18/3/2015 | 5 | 5 ¹ | 23 | 27.6 | 33 | 0 | 0 | -- | -- | -- |
| Mar 2015 | 14/4/2015 | 17/4/2015 | 5 | 5 | 24 | 46.4 | 89 | 0 | 0 | -- | -- | -- |
| Apr 2015 | 15/5/2015 | 22/5/2015 | 5 | 5 | 18 | 27.0 | 44 | 1 | 1 | 24 | 24.0 | 24 |
| May 2015 | 11/6/2015 | 17/6/2015 | 5 | 5 | 25 | 39.4 | 52 | 1 | 1 | 56 | 56.0 | 56 |
| Jun 2015 | 13/7/2015 | 14/7/2015 | 5 | 5 | 10 | 27.4 | 34 | 0 | 0 | -- | -- | -- |
| Jul 2015 | 11/8/2015 | 14/8/2015 | 5 | 5 | 17 | 29.8 | 51 | 0 | 0 | -- | -- | -- |
| Aug 2015 | 10/9/2015 | 18/9/2015 | 5 | 5 | 20 | 36.8 | 49 | 1 | 1 | 62 | 62.0 | 62 |
| Sep 2015 | 14/10/2015 | 21/10/2015 | 5 | 5 | 19 | 24.2 | 35 | 1 | 1 | 36 | 36.0 | 36 |
| Oct 2015 | 13/11/2015 | 17/11/2015 | 5 | 5 | 25 | 35.2 | 49 | 0 | 0 | -- | -- | -- |
| Nov 2015 | 11/12/2015 | 14/12/2015 | 5 | 5 | 24 | 40.6 | 71 | 0 | 0 | -- | -- | -- |
| Dec 2015 | 15/1/2016 | 19/1/2016 | 5 | 5 | 27 | 45.7 | 66 | 0 | 0 | -- | -- | -- |
| Jan 2016 | 15/2/2016 | 23/2/2016 | 5 | 5 | 19 | 46.8 | 61 | 0 | 0 | -- | -- | -- |
| Feb 2016 | 16/3/2016 | 18/3/2016 | 3 | 3 | 24 | 38.7 | 46 | 0 | 0 | -- | -- | -- |

A licence amendment approved by the EPA on 22-Feb-2016 has removed Points 14 & 15 from EPL 1552 due to the establishment of the Newcastle Local Air Quality Monitoring Network.

¹ On 26/8/2014, EPA ID#14 was unable to operate due to a power supply fault

² The run date on 16/2/2015 only sampled for 15.4 out of 24 hours due to an electrical fault

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

AMBIENT DUST MONITORING – HIGH VOLUME AIR SAMPLER

On 22nd February 2016, the EPA approved an amendment to the Kooragang Coal Terminal Environment Protection Licence (EPL1552), 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 22nd 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 EPL1552.

| EPA ID Number | | | N/A | | | | | N/A | | | | |
|-------------------|--------------------|---------------------|------------------------------|---------------------------|-------------------|-------------------|-------------------|--|---------------------------|-------------------|-------------------|-------------------|
| PWCS ID | | | HVAS-K2 | | | | | HVAS-K4 | | | | |
| Location | | | Fern Bay | | | | | Fern Bay | | | | |
| Analyte/Pollutant | | | Total Suspended Particulates | | | | | Total Suspended Particulates - Directional | | | | |
| 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 2016 | 15/2/2016 | 23/2/2016 | 5 | 5 | 19 | 46.8 | 61 | 0 | 0 | -- | -- | -- |
| Feb 2016 | 16/3/2016 | 19/5/2016 | 3 | 5 | 22 | 37.6 | 50 | 0 | 0 | -- | -- | -- |
| Mar 2016 | 14/4/2016 | 19/5/2016 | 0 | 5 | 27 | 36.6 | 53 | 0 | 0 | -- | -- | -- |
| Apr 2016 | 16/5/2016 | 19/5/2016 | 0 | 5 | 20 | 35.8 | 53 | 0 | 0 | -- | -- | -- |
| May 2016 | 10/6/2016 | 14/6/2016 | 0 | 5 | 23 | 40.4 | 62 | 0 | 1 | 108 | 108.0 | 108 |
| Jun 2016 | 14/7/2016 | 20/7/2016 | 0 | 5 | 16 | 18.4 | 22 | 0 | 0 | -- | -- | -- |
| Jul 2016 | 15/8/2016 | 17/8/2016 | 0 | 5 | 18 | 32.4 | 43 | 0 | 0 | -- | -- | -- |
| Aug 2016 | 16/9/2016 | 23/9/2016 | 0 | 5 | 22 | 30.0 | 43 | 0 | 1 | 22 | 22.0 | 22 |
| Sep 2016 | 14/10/2016 | 19/10/2016 | 0 | 5 | 18 | 24.8 | 34 | 0 | 0 | -- | -- | -- |
| Oct 2016 | 14/11/2016 | 16/11/2016 | 0 | 5 | 28 | 39.2 | 57 | 0 | 0 | -- | -- | -- |
| Nov 2016 | 16/12/2016 | 20/12/2016 | 0 | 5 | 42 | 62.4 | 114 | 0 | 0 | -- | -- | -- |
| Dec 2016 | 12/1/2017 | 13/1/2017 | 0 | 6 | 23 | 40.2 | 58 | 0 | 0 | -- | -- | -- |
| Jan 2017 | 9/2/2017 | 16/2/2017 | 0 | 5 | 38 | 54.4 | 76 | 0 | 0 | -- | -- | -- |
| Feb 2017 | 14/3/2017 | 16/3/2017 | 0 | 4 | 29 | 48.0 | 70 | 0 | 0 | -- | -- | -- |
| Mar 2017 | 13/4/2017 | 21/4/2017 | 0 | 6 | 37 | 40.5 | 45 | 0 | 0 | -- | -- | -- |
| Apr 2017 | 15/5/2017 | 19/5/2017 | 0 | 5 | 21 | 26.4 | 31 | 0 | 1 | 31 | 31.0 | 31 |
| May 2017 | 14/6/2017 | 19/6/2017 | 0 | 5 | 24 | 32.2 | 46 | 0 | 1 | 43 | 43.0 | 43 |
| Jun 2017 | 19/7/2017 | 2/8/2017 | 0 | 5 | 23 | 30.6 | 42 | 0 | 1 | 43 | 43.0 | 43 |
| Jul 2017 | 11/8/2017 | 14/8/2017 | 0 | 5 | 26 | 31.6 | 38 | 0 | 1 | 57 | 57.0 | 57 |
| Aug 2017 | 13/9/2017 | 20/9/2017 | 0 | 5 | 21 | 34.0 | 49 | 0 | 1 | 38 | 38.0 | 38 |
| Sep 2017 | 13/10/2017 | 19/10/2017 | 0 | 5 | 33 | 44.4 | 53 | 0 | 0 | -- | -- | -- |

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

AMBIENT DUST MONITORING – HIGH VOLUME AIR SAMPLER

| EPA ID Number | | | N/A | | | | | N/A | | | | |
|-------------------|--------------------|---------------------|------------------------------|---------------------------|-------------------|-------------------|-------------------|--|---------------------------|-------------------|-------------------|-------------------|
| PWCS ID | | | HVAS-K2 | | | | | HVAS-K4 | | | | |
| Location | | | Fern Bay | | | | | Fern Bay | | | | |
| Analyte/Pollutant | | | Total Suspended Particulates | | | | | Total Suspended Particulates - Directional | | | | |
| 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 |
| Oct 2017 | 15/11/2017 | 16/11/2017 | 0 | 5 | 29 | 38.2 | 45 | 0 | 0 | -- | -- | -- |
| Nov 2017 | 13/12/2017 | 19/12/2017 | 0 | 5 | 28 | 43.2 | 64 | 0 | 0 | -- | -- | -- |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

DISCHARGE TO WATERS – OVERFLOW QUALITY

DISCHARGE TO WATERS – OVERFLOW QUALITY

Monitoring Frequency for overflow water quality monitoring is monthly during discharge.

Note: mg/L refers to ‘milligrams per litre’

| EPA ID Number | | | 16 | | | 17 | | | 18 | | |
|-------------------|--------------------|---------------------|---------------------------------|-----------------|------------------------|---------------------------------|----|------------------------|---------------------------------|----|------------------------|
| PWCS ID | | | K4 Lagoon | | | K5 Lagoon | | | K6 Lagoon | | |
| Location | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal Wharf | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| Apr 2014 | -- | 20/5/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2014 | -- | 20/6/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jun 2014 | -- | 14/7/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2014 | -- | 20/8/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2014 | -- | 18/9/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2014 | -- | 20/10/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2014 | -- | 20/11/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2014 | -- | 15/12/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2014 | -- | 20/1/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jan 2015 | -- | 24/2/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2015 | -- | 18/3/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2015 | -- | 17/4/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 20 Apr 2015 | 6/5/2015 | 22/5/2015 | <5 | 7.82 | 184 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 21 Apr 2015 | -- | 22/5/2015 | NS ^k | NS ^l | NS ^l | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 22 Apr 2015 | -- | 22/5/2015 | NS ^l | NS ^l | NS ^l | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2015 | -- | 17/6/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jun 2015 | -- | 14/7/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2015 | -- | 14/8/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2015 | -- | 18/9/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2015 | -- | 21/10/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2015 | -- | 17/11/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2015 | -- | 14/12/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |

^k Due to a severe weather event on 20 & 21 April, no safe access to sample locations was possible on 21 & 22 April. It is unclear whether EPA ID#16 had an overflow on these days.

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 16 | | | 17 | | | 18 | | |
|-------------------|--------------------|---------------------|---------------------------------|------|------------------------|---------------------------------|------|------------------------|---------------------------------|------|------------------------|
| PWCS ID | | | K4 Lagoon | | | K5 Lagoon | | | K6 Lagoon | | |
| Location | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal Wharf | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| Dec 2015 | -- | 19/1/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 7 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 | 7.61 | 96 | <5 | 7.61 | 302 | <5 | 7.65 | 78 |
| Feb 2016 | -- | 18/3/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2016 | -- | 18/4/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Apr 2016 | -- | 19/5/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2016 | -- | 14/6/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jun 2016 | -- | 20/7/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2016 | -- | 17/8/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2016 | -- | 23/9/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2016 | -- | 19/10/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2016 | -- | 16/11/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2016 | -- | 20/12/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2016 | -- | 13/1/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jan 2017 | -- | 16/2/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2017 | -- | 16/3/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2017 | -- | 21/4/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Apr 2017 | -- | 19/5/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2017 | -- | 19/6/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jun 2017 | -- | 7/7/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2017 | -- | 14/8/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2017 | -- | 20/9/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2017 | -- | 19/10/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2017 | -- | 16/11/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2017 | -- | 19/12/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 19 | | | 20 | | | 21 | | |
|-------------------|--------------------|---------------------|---------------------------------|----|------------------------|---------------------------------|-----------------|------------------------|---------------------------------|-----------------|------------------------|
| PWCS ID | | | K7 Lagoon | | | Detention Pond A&B | | | Settling Lagoon I | | |
| Location | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| Apr 2014 | -- | 20/5/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2014 | -- | 20/6/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 6 Jun 2014 | 10/7/2014 | 14/7/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 7.98 | 25 |
| 7 Jun 2014 | 10/7/2014 | 14/7/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 7.97 | 127 |
| Jul 2014 | -- | 20/8/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2014 | -- | 18/9/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2014 | -- | 20/10/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2014 | -- | 20/11/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2014 | -- | 15/12/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2014 | -- | 20/1/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jan 2015 | -- | 24/2/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2015 | -- | 18/3/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2015 | -- | 17/4/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 1 Apr 2015 | 9/4/2015 | 17/4/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.04 | 35 |
| 20 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.04 | 234 |
| 21 Apr 2015 | -- | 22/5/2015 | No Discharge/Overflow to Waters | | | NS ¹ | NS ¹ | NS ¹ | NS ¹ | NS ¹ | NS ¹ |
| 22 Apr 2015 | -- | 22/5/2015 | No Discharge/Overflow to Waters | | | NS ¹ | NS ¹ | NS ¹ | NS ¹ | NS ¹ | NS ¹ |
| 23 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.56 | 17 | <5 | 7.92 | 68 |
| 24 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.55 | 15 | <5 | 8.05 | 39 |
| 25 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.20 | 31 |
| 26 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.15 | 68 |
| 27 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.05 | 52 |
| 28 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 29 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | 12 | 7.74 | <5 | 5 | 8.36 | 17 |
| 30 Apr 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.63 | <5 | No Discharge/Overflow to Waters | | |
| 1 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.58 | 10 | <5 | 8.34 | 30 |
| 2 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.64 | 5 | <5 | 8.14 | 43 |
| 3 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.71 | 8 | <5 | 8.01 | 64 |

¹ Due to a severe weather event on 20 & 21 April, no safe access to sample locations was possible on 21 & 22 April. It is unclear whether EPA ID#20 & #21 had an overflow on these days.

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 19 | | | 20 | | | 21 | | |
|-------------------|--------------------|---------------------|---------------------------------|------|------------------------|---------------------------------|------|------------------------|---------------------------------|------|------------------------|
| PWCS ID | | | K7 Lagoon | | | Detention Pond A&B | | | Settling Lagoon I | | |
| Location | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| 4 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | 6 | 8.17 | 18 |
| 22 May 2015 | 11/6/2015 | 17/6/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.25 | 45 |
| 26 Jun 2015 | 13/7/2015 | 14/7/2015 | No Discharge/Overflow to Waters | | | <5 | 7.97 | 9 | No Discharge/Overflow to Waters | | |
| 27 Jun 2015 | 13/7/2015 | 14/7/2015 | No Discharge/Overflow to Waters | | | <5 | 7.87 | 24 | No Discharge/Overflow to Waters | | |
| Jul 2015 | -- | 14/8/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2015 | -- | 18/9/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2015 | 14/10/2015 | 21/10/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | <5 | 8.05 | 218 |
| Oct 2015 | -- | 17/11/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2015 | -- | 14/12/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2015 | -- | 19/1/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 7 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 | 7.65 | 78 | <5 | 7.12 | 58 | <5 | 7.84 | 72 |
| Feb 2016 | -- | 18/3/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2016 | -- | 18/4/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Apr 2016 | -- | 19/5/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2016 | -- | 14/6/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 7 Jun 2016 | 14/7/2016 | 20/7/2016 | No Discharge/Overflow to Waters | | | <5 | 7.86 | 26 | No Discharge/Overflow to Waters | | |
| 8 Jun 2016 | 14/7/2016 | 20/7/2016 | No Discharge/Overflow to Waters | | | <5 | 7.62 | 27 | No Discharge/Overflow to Waters | | |
| Jul 2016 | -- | 17/8/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2016 | -- | 23/9/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2016 | -- | 19/10/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2016 | -- | 16/11/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2016 | -- | 20/12/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2016 | -- | 13/1/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jan 2017 | -- | 16/2/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2017 | -- | 16/3/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2017 | -- | 21/4/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 5 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.63 | 20 | No Discharge/Overflow to Waters | | |
| 6 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.51 | 38 | No Discharge/Overflow to Waters | | |
| 12 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.62 | 47 | No Discharge/Overflow to Waters | | |
| 13 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.63 | 43 | No Discharge/Overflow to Waters | | |

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 19 | | | 20 | | | 21 | | |
|-------------------|--------------------|---------------------|---------------------------------|----|------------------------|---------------------------------|------|------------------------|---------------------------------|----|------------------------|
| PWCS ID | | | K7 Lagoon | | | Detention Pond A&B | | | Settling Lagoon I | | |
| Location | | | Kooragang Coal Terminal Wharf | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| 14 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.51 | 30 | No Discharge/Overflow to Waters | | |
| 15 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.58 | 27 | No Discharge/Overflow to Waters | | |
| 16 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 7.38 | 12 | No Discharge/Overflow to Waters | | |
| May 2017 | -- | 19/6/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 9 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | 4 | 7.71 | 64 | No Discharge/Overflow to Waters | | |
| 10 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.78 | 66 | No Discharge/Overflow to Waters | | |
| 11 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.72 | 48 | No Discharge/Overflow to Waters | | |
| 12 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.63 | 14 | No Discharge/Overflow to Waters | | |
| 13 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.69 | 20 | No Discharge/Overflow to Waters | | |
| 14 Jun 2017 | 23/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.65 | 28 | No Discharge/Overflow to Waters | | |
| 15 Jun 2017 | 23/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.65 | 23 | No Discharge/Overflow to Waters | | |
| 16 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.49 | 14 | No Discharge/Overflow to Waters | | |
| 19 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.62 | 10 | No Discharge/Overflow to Waters | | |
| Jul 2017 | -- | 14/8/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2017 | -- | 20/9/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2017 | -- | 19/10/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2017 | -- | 16/11/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2017 | -- | 19/12/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 22 | | | 23 | | | 24 | | |
|-------------------|--------------------|---------------------|---------------------------------|----|------------------------|---------------------------------|-----------------|------------------------|---------------------------------|----|------------------------|
| PWCS ID | | | Clarified Lagoons 1&2 | | | Detention Pond D | | | EER23 Pump Well | | |
| Location | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| Apr 2014 | -- | 20/5/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2014 | -- | 20/6/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jun 2014 | -- | 14/7/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2014 | -- | 20/8/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2014 | -- | 18/9/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2014 | -- | 20/10/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2014 | -- | 20/11/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2014 | -- | 15/12/2014 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2014 | -- | 20/1/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jan 2015 | -- | 24/2/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2015 | -- | 18/3/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2015 | -- | 17/4/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 21 Apr 2015 | -- | 22/5/2015 | No Discharge/Overflow to Waters | | | NS ^M | NS ^K | NS ^K | No Discharge/Overflow to Waters | | |
| 22 Apr 2015 | -- | 22/5/2015 | No Discharge/Overflow to Waters | | | NS ^K | NS ^K | NS ^K | No Discharge/Overflow to Waters | | |
| 23 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 7.91 | 144 | No Discharge/Overflow to Waters | | |
| 24 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.00 | 164 | No Discharge/Overflow to Waters | | |
| 28 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.14 | 80 | No Discharge/Overflow to Waters | | |
| 29 Apr 2015 | 6/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.15 | 15 | No Discharge/Overflow to Waters | | |
| 30 Apr 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.15 | 14 | No Discharge/Overflow to Waters | | |
| 1 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.30 | 16 | No Discharge/Overflow to Waters | | |
| 2 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.12 | 10 | No Discharge/Overflow to Waters | | |
| 3 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | <5 | 8.14 | 12 | No Discharge/Overflow to Waters | | |
| 4 May 2015 | 12/5/2015 | 22/5/2015 | No Discharge/Overflow to Waters | | | 15 | 8.11 | 12 | No Discharge/Overflow to Waters | | |
| 5 May 2015 | 11/6/2015 | 17/6/2015 | No Discharge/Overflow to Waters | | | 8 | 8.16 | 10 | No Discharge/Overflow to Waters | | |
| Jun 2015 | -- | 14/7/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2015 | -- | 14/8/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2015 | -- | 18/9/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2015 | -- | 21/10/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |

^M Due to a severe weather event on 20 & 21 April, no safe access to sample locations was possible on 21 & 22 April. It is unclear whether EPA ID#23 had an overflow on these days.

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 22 | | | 23 | | | 24 | | |
|-------------------|--------------------|---------------------|---------------------------------|----------------------|------------------------|---------------------------------|------|------------------------|---------------------------------|----|------------------------|
| PWCS ID | | | Clarified Lagoons 1&2 | | | Detention Pond D | | | EER23 Pump Well | | |
| Location | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| Oct 2015 | -- | 17/11/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2015 | -- | 14/12/2015 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2015 | -- | 19/1/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 7 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), 5 (CL2) | 7.9 (CL1), 7.9 (CL2) | 98 (CL1), 94 (CL2) | <5 | 8.02 | 120 | No Discharge/Overflow to Waters | | |
| 8 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 8.0 (CL1), 8.1 (CL2) | 80 (CL1), 90 (CL2) | <5 | 8.10 | 96 | No Discharge/Overflow to Waters | | |
| 9 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 7.7 (CL1), 7.8 (CL2) | 46 (CL1), 56 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 10 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 8.0 (CL1), 8.1 (CL2) | 72 (CL1), 78 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 11 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 7.9 (CL1), 8.2 (CL2) | 52 (CL1), 58 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 12 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 8.1 (CL1), 8.3 (CL2) | 30 (CL1), 44 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 13 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1) | 8.0 (CL1) | 68 (CL1) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 17 Jan 2016 | 15/2/2016 | 23/2/2016 | 8 (CL1), 11 (CL2) | 8.1 (CL1), 8.2 (CL2) | 48 (CL1), 46 (CL2) | 8 | 8.32 | 20 | No Discharge/Overflow to Waters | | |
| 18 Jan 2016 | 15/2/2016 | 23/2/2016 | 28 (CL1), 9 (CL2) | 8.1 (CL1), 8.3 (CL2) | 42 (CL1), 40 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 19 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 8.0 (CL1), 8.3 (CL2) | 38 (CL1), 20 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 20 Jan 2016 | 15/2/2016 | 23/2/2016 | <5 (CL1), <5 (CL2) | 8.0 (CL1), 8.4 (CL2) | 50 (CL1), 13 (CL2) | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2016 | -- | 18/3/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2016 | -- | 18/4/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Apr 2016 | -- | 19/5/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| May 2016 | -- | 14/6/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jun 2016 | -- | 20/7/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jul 2016 | -- | 17/8/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2016 | -- | 23/9/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2016 | -- | 19/10/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2016 | -- | 16/11/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2016 | -- | 20/12/2016 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Dec 2016 | -- | 13/1/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Jan 2017 | -- | 16/2/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Feb 2017 | -- | 16/3/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Mar 2017 | -- | 21/4/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 5 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 8.21 | 13 | No Discharge/Overflow to Waters | | |
| 6 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 8.22 | 33 | No Discharge/Overflow to Waters | | |

EPL MONITORING DATA: KOORAGANG COAL TERMINAL

DISCHARGE TO WATERS – OVERFLOW QUALITY

| EPA ID Number | | | 22 | | | 23 | | | 24 | | |
|-------------------|--------------------|---------------------|---------------------------------|----|------------------------|---------------------------------|------|------------------------|---------------------------------|----|------------------------|
| PWCS ID | | | Clarified Lagoons 1&2 | | | Detention Pond D | | | EER23 Pump Well | | |
| Location | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | | Kooragang Coal Terminal | | |
| Analyte/Pollutant | | | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids | Oil and Grease | pH | Total Suspended Solids |
| Unit of Measure | | | mg/L | pH | mg/L | mg/L | pH | mg/L | mg/L | pH | mg/L |
| EPL Limit | | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sample Date | Date Data Obtained | Date Data Published | | | | | | | | | |
| 7 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 8.26 | 17 | No Discharge/Overflow to Waters | | |
| 8 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 8.21 | 14 | No Discharge/Overflow to Waters | | |
| 10 Apr 2017 | 15/5/2017 | 19/5/2017 | No Discharge/Overflow to Waters | | | <2 | 8.23 | 10 | No Discharge/Overflow to Waters | | |
| May 2017 | -- | 19/6/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| 9 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.85 | 112 | No Discharge/Overflow to Waters | | |
| 10 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.96 | 58 | No Discharge/Overflow to Waters | | |
| 11 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.93 | 66 | No Discharge/Overflow to Waters | | |
| 12 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 7.97 | 10 | No Discharge/Overflow to Waters | | |
| 13 Jun 2017 | 21/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.02 | 8 | No Discharge/Overflow to Waters | | |
| 14 Jun 2017 | 23/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.04 | <5 | No Discharge/Overflow to Waters | | |
| 15 Jun 2017 | 23/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.14 | 7 | No Discharge/Overflow to Waters | | |
| 16 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.03 | 6 | No Discharge/Overflow to Waters | | |
| 17 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.08 | 10 | No Discharge/Overflow to Waters | | |
| 18 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.10 | 10 | No Discharge/Overflow to Waters | | |
| 19 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.18 | 10 | No Discharge/Overflow to Waters | | |
| 20 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.13 | <5 | No Discharge/Overflow to Waters | | |
| 21 Jun 2017 | 27/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.14 | <5 | No Discharge/Overflow to Waters | | |
| 22 Jun 2017 | 28/6/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.04 | <5 | No Discharge/Overflow to Waters | | |
| 23 Jun 2017 | 3/7/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.16 | 16 | No Discharge/Overflow to Waters | | |
| 24 Jun 2017 | 3/7/2017 | 07/07/17 | No Discharge/Overflow to Waters | | | <2 | 8.16 | <5 | No Discharge/Overflow to Waters | | |
| Jul 2017 | -- | 14/8/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Aug 2017 | -- | 20/9/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Sep 2017 | -- | 19/10/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Oct 2017 | -- | 16/11/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |
| Nov 2017 | -- | 19/12/2017 | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | | No Discharge/Overflow to Waters | | |

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 |
|------------|--------------------|-------------|---------------|----------------|----------------|---------------------------|-----------------------|
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SITE MAP AND MONITORING LOCATIONS

SITE MAP AND MONITORING LOCATIONS



Figure I: Environment Protection Licence 1552 Monitoring Locations