

Environmental Monitoring Data – Introduction

Thank you for taking a look at BOC's environmental monitoring data. Our licensed facilities in NSW operate under the BOC Limited corporation. Our licensed facilities are located in the following areas, and are licensed with the Environment Protection Authority (EPA) under the following Environmental Protection Licence (EPL) numbers. If you would like to view our full licences, please follow the EPL links below.

BOC Limited NSW EPA Licensed Facilities

BOC Site Name	Location	EPL Number
BOC Limited Bomaderry (Nowra)	Lot 41 Bolong Road Bomaderry NSW 2541	11164
EPL Link http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=28143&SYSUID=1&LICID=11164		
BOC Limited Cringila (Port Kembla)	147 Five Islands Road Cringila NSW 2502	10095
EPL Link http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30682&SYSUID=1&LICID=10095		
BOC Limited Wagga Wagga	354 Byrnes Road Wagga Wagga NSW 2650	13141
EPL Link http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30724&SYSUID=1&LICID=13141		
BOC Limited Wetherill Park	428-440 Victoria Street Wetherill Park NSW 2164	6679
EPL Link http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31392&SYSUID=1&LICID=6679		
BOC Limited Kooragang Island	9 Egret Street Kooragang NSW 2304	20165
EPL Link https://boc.com.au/boc_sp/au/downloads/epa_licence_2012.pdf		

Based on requirements set out in the EPL, our BOC Limited Wetherill Park, Cringila, Wagga and Kooragang Island sites do not have monitoring required to be published.

Discharge points and monitoring required at the remaining BOC Limited sites is outlined in each site's section.

BOC Limited also holds operational control of two Elgas sites. Please proceed to the Australian Elgas website for the data relating to these sites.

BOC Limited Bomaderry Environmental Monitoring Points and Data**BOC Limited Bomaderry Monitoring Points and Expected Dates**

The following table summarises when BOC Limited Bomaderry expects our next set of monitoring data for each emission type.

Table 1: Expected future monitoring data sets for BOC Limited Bomaderry EPL 11164

Publication Date: 1 July 2012 Licensee: BOC Limited Lot 41 Bolong Road Bomaderry NSW EPL no.: 11164			
EPA ID number	Emission Point Monitoring Description	Description of the Location	Expected date(s) to post next set of monitoring data
Point 1	Discharge water quality	Discharge to Shoalhaven Starches effluent pipeline; a point of connection between BOC and Shoalhaven Starches located in corner of BOC premises.	<p>Sampling is required every six months, and is performed in June and December.</p> <p>The sample data results summary will be published at the end of the following month, within 14 days of the receipt of the result(s) in line with EPA legislation. Thus results are expected to be published one month after the sampling – in July and January.</p>
Point 1	Total volume flow monitoring	Discharge to Shoalhaven Starches effluent pipeline; a point of connection between BOC and Shoalhaven Starches located in corner of BOC premises.	<p>Flow is measured daily.</p> <p>Figure is to be reported annually, in line with the EPL anniversary.</p>



Image courtesy of Google Maps 2012

Figure 1: Positions of BOC Bomaderry's EPL emission monitoring point

When monitoring is published it will appear in tables similar to those shown below.

The following Table 2 shows the six-monthly water quality monitoring data at Point 1, which will be published in July onwards each year. The obtained data can be requested from BOC Limited in written form.

Table 2: Point 1 Water Quality Monitoring Data

Licensee: BOC Limited Lot 41 Bolong Road Bomaderry NSW EPL no.: 11164 http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=28143&SYSUID=1&LICID=11164								
Location/EPA identification no.: Point 1								
Qualifications related to water limits in EPL Values are from March 2012 sample onwards								
Sample Test Date	Date Results Obtained	Publication Date	Pollutant	Measurement Period and Monitoring Frequency Required by Licence	Units of Measure	Values in Year to date		
						Min Value	Mean Value	Max Value
17/12/2012	09/01/2013	31/01/2013	BOD	Six-monthly sampling and publication	mg/L	113	113	113
17/12/2012	09/01/2013	31/01/2013	Carbon Dioxide	Six-monthly sampling and publication	mg/L	-	-	-
17/12/2012	09/01/2013	31/01/2013	COD	Six-monthly sampling and publication	mg/L	252	252	252
17/12/2012	09/01/2013	31/01/2013	Ethanol	Six-monthly sampling and publication	mg/L	58.1	58.1	58.1
17/12/2012	09/01/2013	31/01/2013	Nitrogen Total	Six-monthly sampling and publication	mg/L	<1.1	<1.1	<1.1
17/12/2012	09/01/2013	31/01/2013	Phosphorus Total	Six-monthly sampling and publication	mg/L	<0.1	<0.1	<0.1
17/12/2012	09/01/2013	31/01/2013	Toxicity	Special Frequency 1*	mg/L	-	-	-
17/12/2012	09/01/2013	31/01/2013	pH	Six-monthly sampling and publication	pH units	5.8	5.8	5.8

Definitions: BOD: Biological Oxygen Demand; COD: Chemical Oxygen Demand

Units: mg/L: milligrams per litre

*As agreed to between EPA and BOC

BOC Limited Bomaderry Monitoring Data to Date

The following Table A shows the total volume water quality monitoring data at Point 1, which will be published within two weeks of the anniversary of the EPL, being in January each year. The obtained data can be requested from BOC Limited in written form.

The following tables shows the monitoring data collected as part of BOC Limited Bomaderry's site from March 2012 as required.

The following Table A shows the total volume flow water quality monitoring data at Point 1 in a meaningful summary table from March 2012 onwards.

Water quality data sampled at Point 1 is expected to be published in July 2012 onwards.

Table A: Point 1 Total Volume Flow Monitoring

Licensee: BOC Limited Lot 41 Bolong Road Bomaderry NSW EPL no.: 11164 http://www.environment.nsw.gov.au/prpoepapp/ViewPOEOLicence.aspx?DOCID=28143&SYSUID=1&LICID=11164						
Location/EPA identification no.: Point 1						
Qualifications related to volume monitoring						
Publication Date	Measurement Period and Monitoring Frequency Required by Licence	Units of Measure	Year to Date			EPL Limit
			Min Value	Mean Value	Max Value	
1 July 2012	Volume Mass Limit per day for licence period 12 Dec 2010 to 11 Dec 2011	kL/day	0	22.6	40	40
31 January 2013	Volume Mass Limit per day for licence period 12 Dec 2011 to 11 Dec 2012	kL/day	0	17.2	40	40

BOC Limited Wagga Wagga Environmental Monitoring Points and Data

BOC Limited Wagga Wagga Monitoring Points and Expected Dates

The following table summarises BOC Limited Wagga Wagga's licenced discharge point. At this time no monitoring is required by the EPL at this discharge point.

Table 1: Licensed Discharge Points BOC Limited Wagga Wagga EPL 11164

Publication Date: 1 July 2012 Licensee: BOC Limited 354 Byrnes Road Wagga Wagga NSW EPL no.: 13141 http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30724&SYSUID=1&LICID=13141			
EPA I.D. number	Emission Point Monitoring Description	Description of the Location	Expected date(s) to post next set of monitoring data
Point 1	Stack	Scrubber stack on ammonia decant tank	No monitoring required by licence.



Image courtesy of Google Maps 2012

Figure 1: Positions of BOC Wagga Wagga's EPL emission monitoring point

In Conclusion

We at BOC Limited take all reasonable care to make sure the monitored data we obtain is correct and accurate. If due to events out of our control we find that any of our published monitoring data is inaccurate or incorrect, we will provide a correction log. The correction log will explain the reason for the suspected or actual incorrect data, and provide an updated correct monitoring log. The following table shows how this will be set up in the event it is needed. To date it has not been needed.

Table A1: Correction Log

Licensee: EPL No.:					
Sample date and time	Original data	Corrected data	Date corrected	Date originally published	Reason
	NCR*	NCR	NCR	NCR	NCR

*NCR - Currently No Corrections are Required

If you would like to verify anything with us regarding our environmental monitoring data, please feel free to give us a call on the number shown on our contacts page.