



PORT KEMBLA COAL TERMINAL LTD.



Licencee:	Port Kembla Coal Terminal Limited
Environment Protection Licence:	1625
Licence URL:	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106587&SYSUID=1&LICID=1625
PKCT EPA Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=1625&id=1625&option=licence&searchrange=general&range=POEOlicence&prp=no&status=Issued
Location:	Port Kembla Road, Port Kembla Inner Harbour, Wollongong
Postal Address:	PO Box 823, Wollongong East 2502

PORT KEMBLA COAL TERMINAL DUST & WEATHER MONITOR LOCATIONS

16th October 2015



EPL No.	PKCT No.	Dust Monitor Location Description
1	P1	25m south of Bulk Products Berth (BPB)
2	P2	40m south of Bulk Products Berth stockyard
3	P3	40m east of Bulk Products Berth stockyard
4	P4	40m east Coal Berth stockyard
5	P5	Northern Pond (Pond No.1)
6	P6	40m west Coal Berth stockyard
7	P7	250m west of Coal Berth stockyard
8	P8	PKCT north truckwash
9	P9	Wollongong Wastewater Treatment Plant
15	P10	North of PKCT Planning Office
17	P11	Entry Gate to BlueScope Ro Ro (Berth 109)
12	R1	157 Church Street (two gauges)
19	R2	Vikings Oval, Wollongong (two gauges)
TBA	R3	Links Seaside Apartments
20	C1	Continuous Dust Monitor 1
21	C2	Continuous Dust Monitor 2

- # refer PKCT Environment Protection Licence(EPL) No. 1625 (EPA ID No.)
- Dust Gauges- Environment Protection Licence monitoring sites
Sites denoted "P": industrial; "R": residential
- Continuous Dust Monitor Sites- additional
- (a) BlueScope High Volume Sampler & dust gauge
(b) PKCT EPL Monitoring Site R2 (2 gauges)
- Weather stations
- (a) at each continuous dust monitor site ●
- (b) PKCT Main Control Room ●



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EPL MONITORING SITES- INDUSTRIAL			Calendar Year 2020																Annual average: grams per square metre/month	
Monthly Analysis			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC					rolling 12 month average	PKCT assessment criteria
EPL No.	Location Gauge Number	analysis: grams/square metre/month													Samples collected	MIN	MEAN	MAX		
1	P1 25m South BPB Coal Berth	Insoluble Solids Ash Combustible Matter	10.5 8.7 1.8	1.6 1.0 0.6											2 2 2	1.6 1.0 0.6	6.1 4.9 1.2	10.5 8.7 1.8	4.6 1.3 12.0	15.0 12.0 12.0
2	P2 40m South of BPB Stockyard	Insoluble Solids Ash Combustible Matter	8.3 6.6 1.7	2.6 1.6 1.0											2 2 2	2.6 1.6 1.0	5.5 4.1 1.4	8.3 6.6 1.7	3.4 1.1 12.0	15.0 12.0 12.0
3	P3 40m East of BPB Stockyard	Insoluble Solids Ash Combustible Matter	9.7 7.9 1.8	6.5 5.1 1.4											2 2 2	6.5 5.1 1.4	8.1 6.5 1.6	9.7 7.9 1.8	8.5 2.4 12.0	15.0 12.0 12.0
4	P4 40m East Coal Berth Stockyard	Insoluble Solids Ash Combustible Matter	9.7 7.9 1.8	5.2 1.5 3.7											2 2 2	5.2 1.5 1.8	7.5 4.7 2.8	9.7 7.9 3.7	6.2 3.2 12.0	15.0 12.0 12.0
5	P5 Northern Pond (No.1)	Insoluble Solids Ash Combustible Matter	10.9 7.2 3.7	8.9 3.8 5.1											2 2 2	8.9 3.8 3.7	9.9 5.5 4.4	10.9 7.2 5.1	6.4 3.5 12.0	15.0 12.0 12.0
6	P6 40m West Coal Berth Stockyard	Insoluble Solids Ash Combustible Matter	12.0 8.8 3.2	3.1 1.4 1.7											2 2 2	3.1 1.4 1.7	7.6 5.1 2.5	12.0 8.8 3.2	7.5 3.2 12.0	15.0 12.0 12.0
7	P7 260m West No.2 Coalberth	Insoluble Solids Ash Combustible Matter	11.7 8.9 2.8	2.7 1.6 1.1											2 2 2	2.7 1.6 1.1	7.2 5.3 2.0	11.7 8.9 2.8	4.0 1.3 12.0	15.0 12.0 12.0
8	P8 PKCT North Truckwash	Insoluble Solids Ash Combustible Matter	14.1 8.2 5.9	5.4 1.8 3.6											2 2 2	5.4 1.8 3.6	9.8 5.0 4.8	14.1 8.2 5.9	22.9 15.6 12.0	15.0 12.0 12.0
9	P9 Wollongong Wastewater TP.	Insoluble Solids Ash Combustible Matter	9.6 7.3 2.3	1.6 0.8 0.8											2 2 2	1.6 0.8 0.8	5.6 4.1 1.6	9.6 7.3 2.3	3.3 1.4 4.0	6.0 4.0 4.0
15	P10 North of PKCT Planning Office	Insoluble Solids Ash Combustible Matter	17.6 11.7 5.9	6.0 2.5 3.5											2 2 2	6.0 2.5 3.5	11.8 7.1 4.7	17.6 11.7 5.9	8.6 4.1 12.0	15.0 12.0 12.0
17	P11 Entry Gate BlueScope RO.RO Berth (109)	Insoluble Solids Ash Combustible Matter	BB BB BB	4.4 3.4 1.0											1 1 1	4.4 3.4 1.0	4.4 3.4 1.0	4.4 3.4 1.0	3.7 0.8 4.0	6.0 4.0 4.0
MONTHLY REPORT: COMMENTARY ON RESULTS																				
Note 1: there are no EPL air quality limits in the EPL for industrial monitoring sites. Historical information provides baseline data and assessment criteria has been adopted to assess against actual results to facilitate performance improvement.																				
SAMPLE PERIOD	Date Sampled	Date Results Obtained	Date Published	COMMENTARY ON RESULTS																
January 2020	04/02/2020	24/02/2020	26/02/2020	All sites measured higher than usual deposition during January. The high levels are attributed to the extreme weather conditions and constant smoke haze caused by the NSW bushfires. Sample Site P11 was found on the ground with a broken bottle following a wind storm in January. No sample was collected at Site P11 as a result. One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truckwash is marginally outside the criteria as a result of a few readings across the last 12 months. There have been some recent dust mitigation strategies installed at the truckwash to reduce dust levels in this location. January particulate levels were low compared to previous months.																
February 2020	04/03/2020	20/03/2020	23/03/2020	One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truckwash is marginally outside the criteria as a result of a few readings across the last 12 months. There have been some recent dust mitigation strategies installed at the truckwash to reduce dust levels in this location. February particulate levels were very low.																
March 2020																				
April 2020																				
May 2020																				
June 2020																				
July 2020																				
August 2020																				
September 2020																				
October 2020																				
November 2020																				
December 2020																				



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EPL MONITORING SITES- RESIDENTIAL			Calendar Year 2020												Monthly Analysis				annual average: grams per square metre.month	
MONTH			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC					rolling 12 month average	PKCT assessment criteria
EPL No.	Location Gauge Number	Analysis: grams/square metre.month													No. samples collected	MIN	MEAN	MAX		
12	R1	Insoluble Solids	7.7	1.0											2	1.0	4.4	7.7	1.4	4.0
	157 Church St	Ash	6.6	0.7											2	0.7	3.7	6.6		
	Wollongong	Combustible Matter	1.1	0.3											2	0.3	0.7	1.1	0.4	2.0
19	R2	Insoluble Solids	8.4	0.6											2	0.6	4.5	8.4	2.0	4.0
	Vikings Oval	Ash	6.4	0.4											2	0.4	3.4	6.4		
	Wollongong	Combustible Matter	2.0	2.0											2	2.0	2.0	2.0	0.9	2.0
TBA	R3	Insoluble Solids	8.6	1.9											2	1.9	5.3	8.6	1.8	4.0
	Ross Street	Ash	7.2	1.4											2	1.4	4.3	7.2		
	Wollongong	Combustible Matter	1.4	0.5											2	0.5	1.0	1.4	0.5	2.0
MONTHLY REPORT: COMMENTARY ON RESULTS																				
Note 1: Assessment criteria is based on an EPA guideline of annual average of 4 grams per square metre per month for residential areas. PKCT has adopted a level of 2 grams per square metre for combustible matter for assessment purposes.																				
SAMPLE PERIOD		Date Sampled	Date Results Obtained	Date Published	COMMENTARY															
January 2020		04/02/2020	24/02/2020	26/02/2020	All sites measured higher than usual deposition during January. The high levels are attributed to the extreme weather conditions and constant smoke haze caused by the NSW bushfires. All sites within assessment criteria.															
February 2020		04/03/2020	20/03/2020	23/03/2020	All sites within assessment criteria.															
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NB TSS (total suspended solids) - under EPL, a TSS water quality limit of 50mg/litre pertains. Exceedance of this limit is permitted when discharge occurs solely as a result of rainfall measured at the premises. For discharge to be considered to occur solely as a result of rainfall, the rainfall must exceed a 5 day rainfall depth value of 90 mm over a consecutive 5 day period.



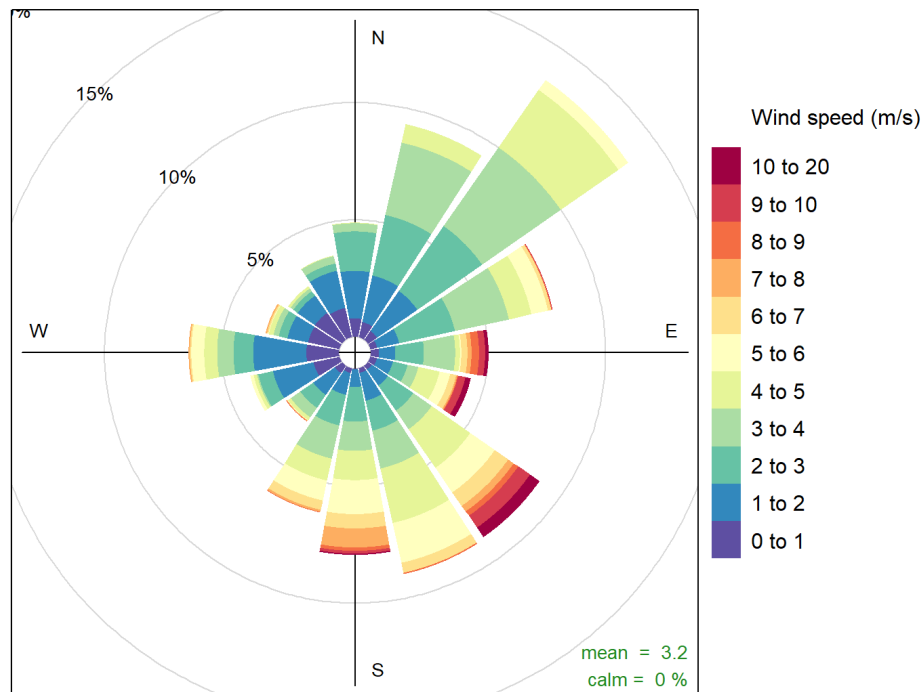
Publish Date: 23rd March, 2020

PKCT Water Collection System Discharge Points



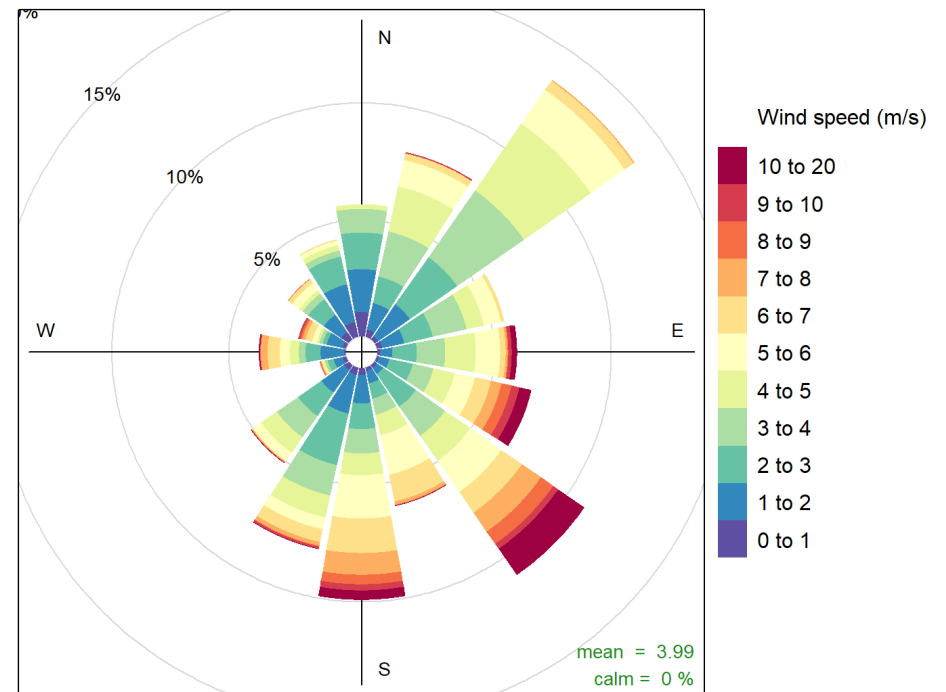
WIND ROSES – February 2020

Northern monitor



Frequency of counts by wind direction (%)

Southern monitor



Frequency of counts by wind direction (%)



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RAINFALL (PKCT site gauge)

