



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 ●



PORT KEMBLA COAL TERMINAL LTD.



EPL MONITORING SITES- INDUSTRIAL			Calendar Year 2019																	
Monthly Analysis		MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
EPL No.	Location Gauge Number	analysis: grams/square metre.month													Samples collected	MIN	MEAN	MAX	Annual average: grams per square metre.month	
1	P1	Insoluble Solids	5.1	7.1	4.2	3.0	5.9	6.8	2.5	5.8	3.8	4.6	4.8	2.2	12	2.2	4.7	7.1	4.7	15.0
	25m South	Ash	3.6	5.5	2.9	1.8	4.1	4.0	1.7	4.2	2.9	3.0	3.5	0.1	12	0.1	3.1	5.5		
	BPB Coal Berth	Combustible Matter	1.5	1.6	1.3	1.2	1.8	2.8	0.8	1.6	0.9	1.6	1.3	0.1	12	0.1	1.4	2.8	1.4	12.0
2	P2	Insoluble Solids	2.0	4.7	3.1	1.7	1.4	4.2	0.7	2.5	7.8	3.5	3.5	1.3	12	0.7	3.0	7.8	3.0	15.0
	40m South of	Ash	1.2	2.8	2.0	0.6	0.8	3.0	0.5	1.9	4.4	2.4	2.4	0.9	12	0.5	1.9	4.4		
	BPB Stockyard	Combustible Matter	0.8	1.9	1.1	1.1	0.6	1.2	0.2	0.6	3.4	1.1	1.1	0.4	12	0.2	1.1	3.4	1.1	12.0
3	P3	Insoluble Solids	2.2	3.0	6.6	3.6	7.4	15.1	6.9	12.7	12.8	7.0	9.7	3.6	12	2.2	7.6	15.1	7.6	15.0
	40m East of	Ash	1.5	1.9	4.1	2.3	5.1	11.5	4.9	8.7	9.9	4.9	7.2	0.8	12	0.8	5.2	11.5		
	BPB Stockyard	Combustible Matter	0.7	1.1	2.5	1.3	2.3	3.6	2.0	4.0	2.9	2.1	2.5	2.8	12	0.7	2.3	4.0	2.3	12.0
4	P4	Insoluble Solids	2.5	3.5	3.7	3.1	4.6	7.1	4.5	9.9	6.3	6.4	8.6	4.8	12	2.5	5.4	9.9	5.4	15.0
	40m East Coal Berth	Ash	1.5	1.9	2.1	1.4	1.9	4.1	1.9	3.7	2.5	2.6	3.1	2.4	12	1.4	2.4	4.1		
	Stockyard	Combustible Matter	1.0	1.6	1.6	1.7	2.7	3.0	2.6	6.2	3.8	3.8	5.5	2.4	12	1.0	3.0	6.2	3.0	12.0
5	P5	Insoluble Solids	6.5	9.2	5.9	2.4	1.2	7.4	2.4	7.3	6.3	7.9	10.5	5.2	12	1.2	6.0	10.5	6.0	15.0
	Northern Pond	Ash	2.6	3.0	2.3	1.1	0.4	3.3	0.9	3.4	2.5	3.5	4.2	2.2	12	0.4	2.5	4.2		
	(No.1)	Combustible Matter	3.6	6.2	3.6	1.3	0.8	4.1	1.5	3.9	3.8	4.4	6.3	3.0	12	0.8	3.5	6.3	3.5	12.0
6	P6	Insoluble Solids	2.9	5.6	6.2	6.3	4.3	10.8	12.1	7.3	5.2	7.7	9.5	5.5	12	2.9	7.0	12.1	7.0	15.0
	40m West Coal Berth	Ash	1.5	3.0	2.8	3.6	2.8	7.0	7.1	3.6	2.1	4.0	5.5	2.8	12	1.5	3.8	7.1		
	Stockyard	Combustible Matter	1.4	2.6	3.4	2.7	1.5	3.8	5.0	3.7	3.1	3.7	4.0	2.7	12	1.4	3.1	5.0	3.1	12.0
7	P7	Insoluble Solids	3.2	3.9	5.2	1.6	2.2	5.5	1.4	2.8	3.8	4.5	3.2	3.5	12	1.4	3.4	5.5	3.4	15.0
	260m West No.2	Ash	1.9	3.0	3.5	0.9	1.7	4.0	1.0	1.7	2.4	2.4	2.0	2.4	12	0.9	2.2	4.0		
	Coalberth	Combustible Matter	1.3	0.9	1.7	0.7	0.5	1.5	0.4	1.1	1.4	2.1	1.2	1.1	12	0.4	1.2	2.1	1.2	12.0
8	P8	Insoluble Solids	4.9	9.6	8.6	5.3	70.1	18.5	17.4	53.0	25.4	24.8	25.0	7.5	12	4.9	22.5	70.1	22.5	15.0
	PKCT North	Ash	2.2	2.6	2.9	1.7	32.7	6.9	5.7	11.3	4.9	5.1	5.1	2.0	12	1.7	6.9	32.7		
	Truckwash	Combustible Matter	2.7	7.0	5.7	3.6	37.4	11.6	11.7	41.7	20.5	19.7	19.9	5.5	12	2.7	15.6	41.7	15.6	12.0
9	P9	Insoluble Solids	3.4	2.2	1.8	1.2	4.5	3.3	0.6	2.8	2.9	4.9	3.7	2.3	12	0.6	2.8	4.9	2.8	6.0
	Wollongong	Ash	1.9	1.3	1.1	0.5	2.1	1.9	0.4	1.3	1.4	1.9	2.2	1.3	12	0.4	1.4	2.2		
	Wastewater TP.	Combustible Matter	1.5	0.9	0.7	0.7	2.4	1.4	0.2	1.5	1.5	3.0	1.5	1.0	12	0.2	1.4	3.0	1.4	4.0
15	P10	Insoluble Solids	7.6	9.5	9.4	4.7	4.3	11.2	4.7	9.8	5.4	10.0	9.9	10.2	12	4.3	8.1	11.2	8.1	15.0
	North of PKCT	Ash	3.4	3.7	4.5	2.6	2.4	7.2	2.4	5.1	2.8	4.4	4.2	4.8	12	2.4	4.0	7.2		
	Planning Office	Combustible Matter	4.2	5.8	4.9	2.1	1.9	4.0	2.3	4.7	2.6	5.6	5.7	5.4	12	1.9	4.1	5.8	4.1	12.0
17	P11	Insoluble Solids	4.3	4.8	3.9	3.5	4.5	5.8	1.6	4.9	2.8	3.9	3.1	2.7	12	1.6	3.8	5.8	3.8	6.0
	Entry Gate BlueScope	Ash	3.2	3.5	3.0	2.8	3.5	4.8	1.2	3.7	2.3	3.0	2.5	2.1	12	1.2	3.0	4.8		
	RD, RD Berth (109)	Combustible Matter	1.1	1.3	0.9	0.7	1.0	1.0	0.4	1.2	0.5	0.9	0.6	0.6	12	0.4	0.9	1.3	0.9	4.0



PORT KEMBLA COAL TERMINAL LTD.



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 2019	04/02/2019	22/02/2019	25/02/2019	Two sites marginally outside rolling annual average assessment criteria for insoluble solids, "P4" and "P8". Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
February 2019	04/03/2019	01/04/2019	01/04/2019	Two sites marginally outside rolling annual average assessment criteria for insoluble solids, "P4" and "P8". Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
March 2019	02/04/2019	17/04/2019	17/04/2019	Two sites marginally outside rolling annual average assessment criteria for insoluble solids, "P4" and "P8". Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
April 2019	02/05/2019	16/05/2019	17/05/2019	Two sites marginally outside rolling annual average assessment criteria for insoluble solids, "P4" and "P8". Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
May 2019	03/06/2019	13/06/2019	18/06/2019	Two sites marginally outside rolling annual average assessment criteria for insoluble solids, "P4" and "P8". Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
June 2019	05/07/2019	16/07/2019	17/07/2019	Two sites, "P4" and "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter (Site "P8" only). Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location. Note: Values entered into "May" column last month were annual average values. The May values have been updated to monthly values in this report.
July 2019	02/08/2019	21/08/2019	22/08/2019	Two sites, "P4" and "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter (Site "P8" only). Site "P4" is outside the criteria as a result of a single abnormal reading in August 2018, likely associated with nearby earthworks. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
August 2019	03/09/2019	30/09/2019	02/10/2019	One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
September 2019	03/10/2019	28/10/2019	30/10/2019	One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
October 2019	04/11/2019	18/11/2019	19/11/2019	One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
November 2019	05/12/2019	24/12/2019	24/12/2019	One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location.
December 2019	06/01/2020	23/01/2020	28/01/2020	One site, "P8" marginally outside rolling annual average assessment criteria for insoluble solids and combustible matter. Site "P8", located near the truck wash 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 truck wash to reduce dust levels in this location. December particulate levels were very low compared to previous months.



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EPL MONITORING SITES- RESIDENTIAL			Calendar Year 2019												Monthly Analysis				annual average: grams per square metre.month	
MONTH			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
EPL No.	Location Gauge Number	Analysis: grams/square metre.month													No. samples collected	MIN	MEAN	MAX	rolling 12 month average	PKCT assessment criteria
12	R1	Insoluble Solids	1.9	1.9	1.8	0.7	0.2	0.6	0.2	0.8	0.4	1.5	1.2	0.8	12	0.2	1.0	1.9	1.0	4.0
	157 Church St	Ash	1.3	1.1	1.3	0.4	0.1	0.5	0.1	0.1	0.3	1.1	0.8	0.5	12	0.1	0.6	1.3		
	Wollongong	Combustible Matter	0.6	0.8	0.5	0.3	0.3	0.1	0.1	0.3	0.1	0.4	0.4	0.3	12	0.1	0.4	0.8	0.4	2.0
19	R2	Insoluble Solids	2.3	1.7	1.8	0.6	0.2	0.9	1.5	0.8	0.7	3.8	2.5	2.4	12	0.2	1.6	3.8	1.6	4.0
	Vikings Oval	Ash	1.5	1.1	1.1	0.4	0.1	0.6	1.4	0.5	0.4	1.5	1.5	1.5	12	0.1	1.0	1.5		
	Wollongong	Combustible Matter	0.8	0.6	0.7	0.2	0.1	0.3	0.1	0.3	0.3	2.3	1.0	0.9	12	0.1	0.6	2.3	0.6	2.0
TBA	R3	Insoluble Solids	2.4	2.4	1.7	2.0	0.4	1.3	0.5	0.5	0.6	1.4	1.8	1.3	12	0.4	1.4	2.4	1.4	4.0
	Ross Street	Ash	1.8	1.8	1.3	0.9	0.2	0.9	0.3	0.5	0.4	1.0	1.3	1.0	12	0.2	1.0	1.8		
	Wollongong	Combustible Matter	0.6	0.6	0.4	1.1	0.2	0.4	0.2	<0.1	0.2	0.4	0.5	0.3	11	0.2	0.4	1.1	0.4	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 2019	04/02/2019	22/02/2019	25/02/2019	All sites within assessment criteria.
February 2019	04/03/2019	01/04/2019	01/04/2019	All sites within assessment criteria.
March 2019	02/04/2019	17/04/2019	17/04/2019	All sites within assessment criteria.
April 2019	02/05/2019	16/05/2019	17/05/2019	All sites within assessment criteria.
May 2019	03/06/2019	13/06/2019	18/06/2019	All sites within assessment criteria.
June 2019	05/07/2019	16/07/2019	17/07/2019	All sites within assessment criteria in June. Note: Values entered into "May" column last month were annual average values. The May values have been updated to monthly values in this report.
July 2019	02/08/2019	21/08/2019	22/08/2019	All sites within assessment criteria.
August 2019	03/09/2019	30/09/2019	02/10/2019	All sites within assessment criteria.
September 2019	03/10/2019	28/10/2019	30/10/2019	All sites within assessment criteria.
October 2019	04/11/2019	18/11/2019	19/11/2019	All sites within assessment criteria. Abnormally high deposited dust levels at Site "R2" during October were verified as primarily insect remains (75%) followed by copper sludge (10%) and dirt (10%). Coal was assessed as 5% of sample.
November 2019	05/12/2019	24/12/2019	24/12/2019	All sites within assessment criteria.
December 2019	06/01/2020	23/01/2020	28/01/2020	All sites within assessment criteria.



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SETTLEMENT LAGOON OVERFLOW: ENVIRONMENT PROTECTION LICENCE MONITORING: POINT 16						
Environment Protection Licence: 1625 Type of Monitoring: water quality Frequency: daily grab sample when			water quality parameter		EPL Limit (100 percentile)	
			pH total suspended solids (milligrams per litre)		monitoring only less than 50 not visible	
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	Commentary on Results
06/01/2019	22/02/2019	25/02/2019	7.8	8	not visible	EPL compliant
09/01/2019	22/02/2019	25/02/2019	8.8	9	not visible	EPL compliant
10/01/2019	22/02/2019	25/02/2019	8.1	<5	not visible	EPL compliant
11/01/2019	22/02/2019	25/02/2019	7.8	<5	not visible	EPL compliant
12/01/2019	22/02/2019	25/02/2019	7.7	<5	not visible	EPL compliant
15/01/2019	22/02/2019	25/02/2019	8.4	<5	not visible	EPL compliant
23/01/2019	22/02/2019	25/02/2019	9.9	7	not visible	EPL compliant
31/01/2019	22/02/2019	25/02/2019	8.3	9	not visible	EPL compliant
05/02/2019	01/04/2019	01/04/2019	9.5	17	not visible	EPL compliant
06/02/2019	01/04/2019	01/04/2019	9.4	10	not visible	EPL compliant
07/02/2019	01/04/2019	01/04/2019	9.7	21	not visible	EPL compliant
09/02/2019	01/04/2019	01/04/2019	8.2	12	not visible	EPL compliant
10/02/2019	01/04/2019	01/04/2019	7.9	12	not visible	EPL compliant
11/02/2019	01/04/2019	01/04/2019	8.7	6	not visible	EPL compliant
13/02/2019	01/04/2019	01/04/2019	9.0	5	not visible	EPL compliant
22/02/2019	01/04/2019	01/04/2019	9.4	15	not visible	EPL compliant
28/02/2019	01/04/2019	01/04/2019	9.9	22	not visible	EPL compliant
05/03/2019	17/04/2019	17/04/2019	9.9	15	not visible	EPL compliant
06/03/2019	17/04/2019	17/04/2019	10.1	11	not visible	EPL compliant
07/03/2019	17/04/2019	17/04/2019	9.8	9	not visible	EPL compliant
08/03/2019	17/04/2019	17/04/2019	9.6	7	not visible	EPL compliant
12/03/2019	17/04/2019	17/04/2019	9.8	17	not visible	EPL compliant
14/03/2019	17/04/2019	17/04/2019	9.6	22	not visible	EPL compliant
13/03/2019	17/04/2019	17/04/2019	9.5	11	not visible	EPL compliant
15/03/2019	17/04/2019	17/04/2019	8.2	84	not visible	TSS exceeded EPL limit. Significant, high intensity, short duration rainfall event occurred at the time of the overflow. PKCT's dosing systems were operational across the event. Exceedance has been reported to EPA.
18/03/2019	17/04/2019	17/04/2019	7.9	12	not visible	EPL compliant
19/03/2019	17/04/2019	17/04/2019	7.0	12	not visible	EPL compliant
20/03/2019	17/04/2019	17/04/2019	7.6	14	not visible	EPL compliant
21/03/2019	17/04/2019	17/04/2019	7.6	7	not visible	EPL compliant
22/03/2019	17/04/2019	17/04/2019	7.7	<5	not visible	EPL compliant
23/03/2019	17/04/2019	17/04/2019	7.4	<5	not visible	EPL compliant
28/03/2019	17/04/2019	17/04/2019	7.8	<5	not visible	EPL compliant
30/03/2019	17/04/2019	17/04/2019	7.6	8	not visible	EPL compliant
31/03/2019	17/04/2019	17/04/2019	7.9	7	not visible	EPL compliant

* "Date Published" refers to this report.

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.



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SETTLEMENT LAGOON OVERFLOW: ENVIRONMENT PROTECTION LICENCE MONITORING: POINT 16

Environment Protection Licence: 1625 Type of Monitoring: water quality Frequency: daily grab sample when discharging			water quality parameter		EPL Limit (100 percentile)	Commentary on Results
			pH	total suspended solids (milligrams per litre)	monitoring only less than 50 not visible	
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil/ grease (milligrams per litre)	
04/04/2019	16/05/2019	17/05/2019	9.7	6	not visible	EPL compliant
05/04/2019	16/05/2019	17/05/2019	8.2	6	not visible	EPL compliant
23/04/2019	16/05/2019	17/05/2019	10.2	29	not visible	EPL compliant
24/04/2019	16/05/2019	17/05/2019	10.5	19	not visible	EPL compliant
25/04/2019	16/05/2019	17/05/2019	10.0	16	not visible	EPL compliant
01/05/2019	13/06/2019	18/06/2019	9.4	48	not visible	EPL compliant
02/05/2019	13/06/2019	18/06/2019	10.1	28	not visible	EPL compliant
03/05/2019	13/06/2019	18/06/2019	9.8	14	not visible	EPL compliant
05/05/2019	13/06/2019	18/06/2019	9.6	17	not visible	EPL compliant
07/05/2019	13/06/2019	18/06/2019	9.8	20	not visible	EPL compliant
09/05/2019	13/06/2019	18/06/2019	9.5	13	not visible	EPL compliant
14/05/2019	13/06/2019	18/06/2019	10.3	28	not visible	EPL compliant
15/05/2019	13/06/2019	18/06/2019	10.2	28	not visible	EPL compliant
28/05/2019	13/06/2019	18/06/2019	10.0	27	not visible	EPL compliant
04/06/2019	16/07/2019	17/07/2019	10.0	36	not visible	EPL compliant
05/06/2019	16/07/2019	17/07/2019	7.9	97	not visible	TSS exceeded EPL limit. PKCT's dosing systems were operational across the event. Exceedance has been reported to EPA.
07/06/2019	16/07/2019	17/07/2019	7.6	40	not visible	EPL compliant
08/06/2019	16/07/2019	17/07/2019	7.5	44	not visible	EPL compliant
13/06/2019	16/07/2019	17/07/2019	7.9	11	not visible	EPL compliant
16/06/2019	16/07/2019	17/07/2019	7.1	<5	not visible	EPL compliant
18/06/2019	16/07/2019	17/07/2019	7.4	26	not visible	EPL compliant
24/06/2019	16/07/2019	17/07/2019	7.5	29	not visible	EPL compliant
30/06/2019	16/07/2019	17/07/2019	7.4	6	not visible	EPL compliant
04/07/2019	21/08/2019	22/08/2019	8.0	<5	not visible	EPL compliant
06/07/2019	21/08/2019	22/08/2019	7.5	9	not visible	EPL compliant
07/07/2019	21/08/2019	22/08/2019	7.6	7	not visible	EPL compliant
08/07/2019	21/08/2019	22/08/2019	7.6	6	not visible	EPL compliant
15/07/2019	21/08/2019	22/08/2019	8.3	5	not visible	EPL compliant
23/07/2019	21/08/2019	22/08/2019	10.0	9	not visible	EPL compliant
24/07/2019	21/08/2019	22/08/2019	9.9	9	not visible	EPL compliant
25/07/2019	21/08/2019	22/08/2019	9.9	7	not visible	EPL compliant
26/07/2019	21/08/2019	22/08/2019	9.9	8	not visible	EPL compliant
03/08/2019	30/09/2019	02/10/2019	10.2	14	not visible	EPL compliant
06/08/2019	30/09/2019	02/10/2019	10.2	14	not visible	EPL compliant
08/08/2019	30/09/2019	02/10/2019	10.2	16	not visible	EPL compliant
12/08/2019	30/09/2019	02/10/2019	10.0	18	not visible	EPL compliant
27/08/2019	30/09/2019	02/10/2019	9.5	14	not visible	EPL compliant
30/08/2019	30/09/2019	02/10/2019	8.7	96	not visible	TSS exceeded EPL limit. PKCT's dosing systems were operational across the event. Exceedance has been reported to EPA. Investigations underway.
31/08/2019	30/09/2019	02/10/2019	7.9	14	not visible	EPL compliant

* "Date Published" refers to this report.

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.



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.



Ponds location/names: TS1 pond: DP22, Central Pond: DP23, Tower 3 pond: DP24, South Pond: DP25, Workshop Pond DP26, Berth 102 DP27.

Type of Monitoring: Water quality

Frequency: Daily when discharging

Environment Protection Licence 1625 Monthly Report: December 2019

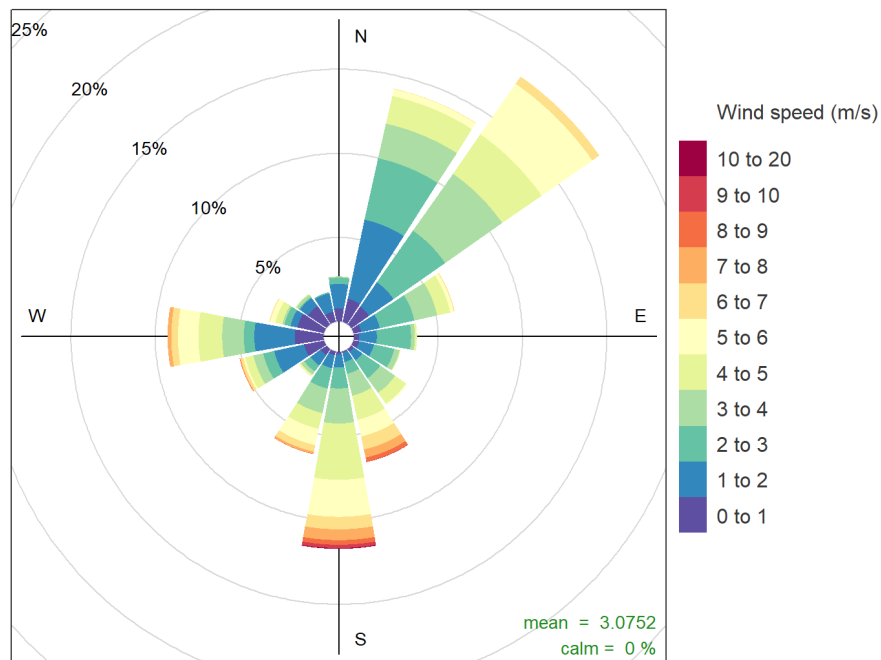
Publish Date: 28th January, 2020

PKCT Water Collection System Discharge Points



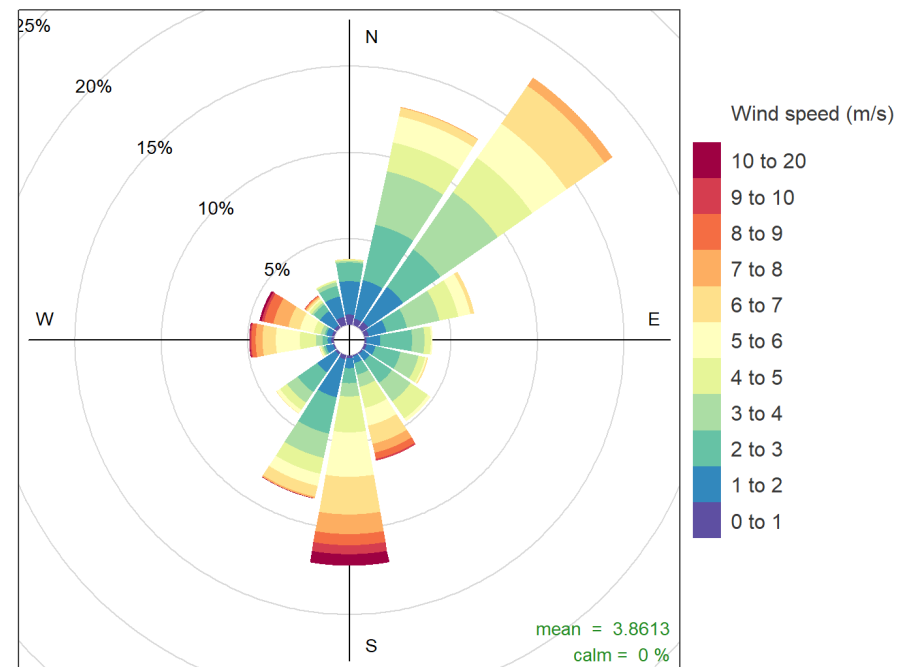
WIND ROSES – December 2019

Northern monitor



Frequency of counts by wind direction (%)

Southern monitor



Frequency of counts by wind direction (%)



PORT KEMBLA COAL TERMINAL LTD.



RAINFALL (PKCT site gauge)

