

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⦥=POEO
	licence&prp=no&status=Issued
Location:	Port Kembla Road, Port Kembla Inner Harbour, Wollongong
Postal Address:	PO Box 823, Wollongong East 2502

Environment Protection Licence 1625 Monthly Report: February 2020





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)						
ТВА	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





	EPL MONITORING	SITES- INDUSTRIAL					Ca	lendar	Year 20	020										
	Monthly Analysis	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC					Annual average: gram	s per square metre.month
EPL No.	Location Gauge Number	analysis: grams/square metre.month													Samples collected	MIN	MEAN	MAX	rolling 12 month average	PKCT assessment criteria
1	P1	Insoluble Solids	10.5	1.6										\neg	2	1.6	6.1	10.5	4.6	15.0
	25m South	Ash	8.7	1.0										\neg	2	1.0	4.9	8.7		
	BPB Coal Berth	Combustible Matter	1.8	0.6										\neg	2	0.6	1.2	1.8	1.3	12.0
2	P2	Insoluble Solids	8.3	2.6										\neg	2	2.6	5.5	8.3	3.4	15.0
	40m South of	Ash	6.6	1.6										\neg	2	1.6	4.1	6.6		
	BPB Stockyard	Combustible Matter	1.7	1.0											2	1.0	1.4	1.7	1.1	12.0
3	P3	Insoluble Solids	9.7	6.5										\neg	2	6.5	8.1	9.7	8.5	15.0
	40m East of	Ash	7.9	5.1										\neg	2	5.1	6.5	7.9		
	BPB Stockyard	Combustible Matter	1.8	1.4											2	1.4	1.6	1.8	2.4	12.0
4	P4	Insoluble Solids	9.7	5.2										ヿ	2	5.2	7.5	9.7	6.2	15.0
	40m East Coal Berth	Ash	7.9	1.5											2	1.5	4.7	7.9		
	Stockyard	Combustible Matter	1.8	3.7											2	1.8	2.8	3.7	3.2	12.0
5	P5	Insoluble Solids	10.9	8.9										ヿ	2	8.9	9.9	10.9	6.4	15.0
	Northern Pond	Ash	7.2	3.8										一	2	3.8	5.5	7.2		
	(No.1)	Combustible Matter	3.7	5.1	1									\neg	2	3.7	4.4	5.1	3.5	12.0
6	P6	Insoluble Solids	12.0	3.1										一	2	3.1	7.6	12.0	7.5	15.0
	40m West Coal Berth	Ash	8.8	1.4										\neg	2	1.4	5.1	8.8		
	Stockuard	Combustible Matter	3.2	1.7										\neg	2	1.7	2.5	3.2	3.2	12.0
7	P7	Insoluble Solids	11.7	2.7										\neg	2	2.7	7.2	11.7	4.0	15.0
	260m West No.2	Ash	8.9	1.6										\neg	2	1.6	5.3	8.9		
	Coalberth	Combustible Matter	2.8	1.1											2	1.1	2.0	2.8	1,3	12.0
8	P8	Insoluble Solids	14.1	5.4										\neg	2	5.4	9.8	14.1	22.9	15.0
-	PKCT North	Ash	8.2	1.8									-	\neg	2	1.8	5.0	8.2		
	Truckwash	Combustible Matter	5.9	3.6										\neg	2	3.6	4.8	5.9	15.6	12.0
9	P9	Insoluble Solids	9.6	1.6								-		\neg	2	1.6	5.6	9.6	3.3	6.0
•	Wollongong	Ash	7.3	0.8									-	\dashv	2	0.8	4.1	7.3	9.0	0.0
	Wastewater TP.	Combustible Matter	2.3	0.8								-	-	\dashv	2	0.8	1.6	2.3	1.4	4.0
15	P10	Insoluble Solids	17.6	6.0											2	6.0	11.8	17.6	8.6	15.0
10	North of PKCT	Ash	11.7	2.5											2	2.5	7.1	11.7	0.0	15.0
	Planning Office	Combustible Matter	5.9	3.5	 										2	3.5	4.7	5.9	4.1	12.0
17	P11	Insoluble Solids	BB	4.4										_	1	4.4	4.4	4.4	3.7	6.0
- II	Entry Gate BlueScope	Ash	BB	3.4										\dashv	- 1	3.4	3.4	3.4		0.0
	RO.RO Berth (109)	Combustible Matter	BB	1.0									_	\dashv	- 1	1.0	1.0	1.0	0.8	4.0
	HU.HU Berth (103)	Compustible Matter	БВ	1.0					ONTU	V DEDC	ODT. C	OHUEN	TARY OF	LDE	CIII TC	1.0	1.0	1.0	0.8	4.0
U-1-4	Maria EDI ali an	- Participation of a FER 200 in december			1.11-41-	-12-7										·	-1	h = 7 10h		
		ality limits in the EPL for industri											een adopte	ed to a:	ssess aga	ainst actu	al results	to Facilit	ate performance improvement.	
S	AMPLE PERIOD	Date Sampled	Date R	esults O	btained	Da	te Publisl	ned		NTARY										
	January 2020	04/02/2020	2	4/02/202	20	2	:6/02/202	0	bushfires outside r few readi levels we	s. Sample olling ann ings acros ere low co	Site P11 v ual avera ss the las mpared t	vas found o ge assess t 12 month: o previous	on the grour ment criteri s. There hav months.	nd with a for ir ve beer	a broken soluble s n some re	bottle fo olids and cent dus	llowing a combus mitigation	wind stor tible mati on strate	to the extreme weather conditions and cons in January, Mo sample was collected at Si er. Site "P8", located near the truckwash is r gies installed at the truckwash to reduce dus	te P11 as a result. One site, "P8" marginally narginally outside the criteria as a result of a levels in this location. January particulate
	February 2020	04/03/2020	2	0/03/202	20	2	3/03/202	0	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					<u> </u>														
	May 2020																			
	June 2020																			
	July 2020																			
	August 2020																			
:	September 2020																			<u> </u>
	October 2020																			
	Vovember 2020		1																	
	December 2020		+																	
	Secretification 2020																			





EPI	L MONITORIN	G SITES- RESIDENTIAL					(Calenda	r Year 2	2020					Mo	nthly An	alysis		annual average: grams per		
	MONTH			JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC									DEC		,			netre.month			
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	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	
	: Assessment criter	ria is based on an EPA guideline of a		erage of		er square		month for					el of 2 gran	ns per squa	are metre for c	ombusti	ble mat	ter for a	ssessment pur	poses.	
		Date Sampled	Date R	esults O	btained	Da	ate Publis	hed	COMME	NTARY									ssessment pur the extreme		
	January 2020	04/02/2020	2	4/02/202	0		26/02/202	20	condition	s and con	stant smo	ke haze c			oushfires. All						
	ebruary 2020	04/03/2020	20/03/2020 23/03/2020						All sites within assessment criteria.												
	March 2020																				
	April 2020																				
	May 2020																				
	June 2020																				
	July 2020																				
	August 2020 eptember 2020																				
	October 2020		 						 												
November 2020									 												
	ecember 2020																				





	SETT	LEMENT LAGOO	ON OVERFLO	DW: ENVIRONMEN	T PROTECTION LICENCE MC	ONITORING: Licenced Discharge POINT 16
Environment Protection Licence: 1625			₩ater qu	ality parameter	EPL Limit (100 percentile)	<u>-</u>
Type of Monitoring: water quality Frequency: daily grab sample when discharging				рΗ	monitoring only	
				spended solids (mg/L)	less than 50	
				il/ grease rams per litre)	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
17/01/2020	24/02/2020	26/02/2020	8.8	62	not visible	TSS marginally exceeded EPL limit. Two samples were taken and the second sample recorded TSS of 59mg/L TSS. Exceedance has been reported to EPA. Action plan has been developed and implementation of the plan is underway.
22/01/2020	24/02/2020	26/02/2020	10.0	20	not visible	EPL compliant
23/01/2020	24/02/2020	26/02/2020	10.0	26	not visible	EPL compliant
24/01/2020	24/02/2020	26/02/2020	9.5	18	not visible	EPL compliant
04/02/2020	20/03/2020	23/03/2020	8.1	15	not visible	EPL compliant
05/02/2020	20/03/2020	23/03/2020	7.5	8	not visible	EPL compliant
06/02/2020	20/03/2020	23/03/2020	7.8	10	not visible	EPL compliant
07/02/2020	20/03/2020	23/03/2020	7.2	25	not visible	EPL compliant
08/02/2020	20/03/2020	23/03/2020	7.3	6	not visible	EPL compliant
09/02/2020	20/03/2020	23/03/2020	7.4	12	not visible	EPL compliant
10/02/2020	20/03/2020	23/03/2020	7.5	19	not visible	EPL compliant
12/02/2020	20/03/2020	23/03/2020	7.3	√5	not visible	EPL compliant
13/02/2020	20/03/2020	23/03/2020	7.0	₹5	not visible	EPL compliant
14/02/2020	20/03/2020	23/03/2020	7.1	6	not visible	EPL compliant
16/02/2020	20/03/2020	23/03/2020	7.4	<5	not visible	EPL compliant
17/02/2020	20/03/2020	23/03/2020	7.2	6	not visible	EPL compliant
18/02/2020	20/03/2020	23/03/2020	7.5	7	not visible	EPL compliant
19/02/2020	20/03/2020	23/03/2020	7.3	ġ	not visible	EPL compliant
20/02/2020	20/03/2020	23/03/2020	7.2	5	not visible	EPL compliant
2010212020	2010312020	23/03/2020	1.2	ס	not visible	LFE Compliant
"Date Publis	hed" refers to th	nis 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 must exceed a 5 day rainfall depth value of 90 mm over a consecutive 5 day period.





	Donda	lacation/aam				verflows - EPL 1	625 shop Pond DP26, Berth 102 DP27.						
Sample Location Sample Date		Date Results Obtained	Date Results Published	pH (pH units) Criteria: Monitoring only	Total Suspended Solids (milligrams per litre) Criteria: Monitoring only	Oil/ Grease (milligrams per litre) Criteria: Monitoring only	Commentary on Results						
	No overflows from any satellite ponds in January 2020												
DP24 - Tower 3 Pond	09/02/2020	18/02/2020	23/03/2020	8.6	509	not visible	Overflow of Tower 3 Pond occurred during very large rain even in February. Over 173mm of rainfall fell across a four day peri from 7th to 10th February. Pond sediment levels were below t required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.						
DP23 - Central Pond	09/02/2020	24/02/2020	23/03/2020	8.2	290	not visible	Overflow of Central Pond occurred during very large rain event in February. Over 173mm of rainfall fell across a four day perior from 7th to 10th February. Pond sediment levels were below to required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.						
DP23 - Central Pond	10/02/2020	19/02/2020	23/03/2020	7.5	153	not visible	Overflow of Central Pond occurred during very large rain event in February. Over 173mm of rainfall fell across a four day peri from 7th to 10th February. Pond sediment levels were below t required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.						
DP25 - Southern Pond	10/02/2020	18/02/2020	23/03/2020	7.7	51	not visible	Overflow of Southern Pond occurred during very large rain eve in February. Over 173mm of rainfall fell across a four day peri from 7th to 10th February. Pond sediment levels were below t required 20% and no pump failures occurred. Pond and pump capacity could not keep up with the inflows. Discharge is permitted under PKCT's licence conditions.						

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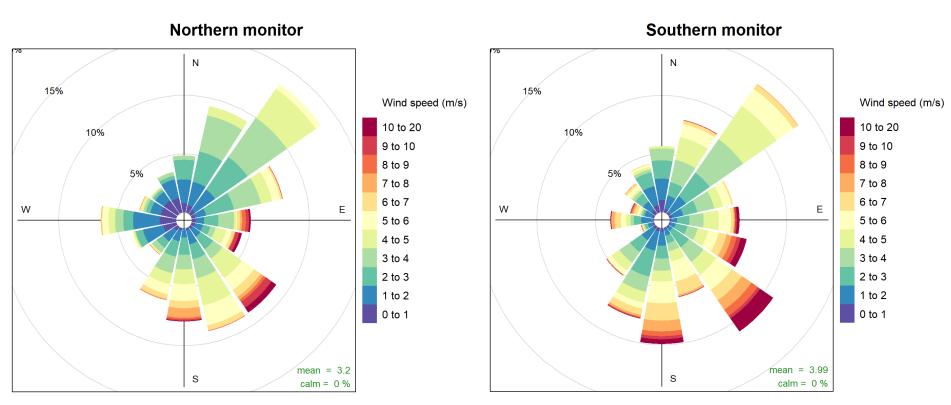
PKCT Water Collection System Discharge Points







WIND ROSES - February 2020



Frequency of counts by wind direction (%)

Frequency of counts by wind direction (%)





Publish Date: 23rd March, 2020

RAINFALL (PKCT site gauge)

