



PORT KEMBLA COAL TERMINAL LTD.



Licencee:	Port Kembla Coal Terminal Limited
Environment Protection Licence:	1625
Licence URL:	http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30847&SYSUID=1&LICID=1625
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 2015												Annual average: grams per square metre.month					
EPL No.	Location Gauge Number	analysis: grams/square metre.month	MONTH												Samples collected	MIN	MEAN	MAX	rolling 12 month average	PKCT assessment criteria
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
1	P1 25m South BPB Coal Berth	Insoluble Solids	5.1	3.1	0.8	bb	bb	1.2	9.3	4.2	6.5	12.2	5.9	1.6	10	0.8	5.0	12.2	5.0	15.0
		Ash	2.3	1.1	0.1	bb	bb	0.7	7.7	0.2	4.5	6.8	4.0	0.5	10	0.1	2.8	7.7		
		Combustible Matter	2.8	2.0	0.7	bb	bb	0.5	1.6	4.0	2.0	5.4	1.9	1.1	10	0.5	2.2	5.4	2.2	12.0
2	P2 40m South of BPB Stockyard	Insoluble Solids	2.1	4.2	3.4	bb	4.8	1.9	bb	3.8	2.4	3.8	33.3	7.1	10	1.9	6.7	33.3	6.7	15.0
		Ash	1.1	2.1	1.4	bb	3.4	1.0	bb	3.0	0.9	2.0	1.9	3.4	10	0.9	2.0	3.4		
		Combustible Matter	1.0	2.1	2.0	bb	1.4	0.9	bb	0.8	1.5	1.8	31.4	3.7	10	0.8	4.7	31.4	4.7	12.0
3	P3 40m East of BPB Stockyard	Insoluble Solids	12.6	3.3	5.1	5.9	23.5	10.1	15.3	17.9	BB	8.1	20.5	6.5	11	3.3	11.7	23.5	11.7	15.0
		Ash	9.0	1.8	2.4	3.3	11.0	5.5	9.7	13.9	BB	4.5	0.8	4.0	11	0.8	6.0	13.9		
		Combustible Matter	3.6	1.5	2.7	2.6	12.5	4.6	5.6	4.0	BB	3.6	19.7	2.5	11	1.5	5.7	19.7	5.7	12.0
4	P4 40m East Coal Berth Stockyard	Insoluble Solids	9.4	9.5	8.4	5.7	18.1	11.2	18.5	8.8	7.5	11.0	6.4	5.8	12	5.7	10.0	18.5	10.0	15.0
		Ash	2.8	3.5	2.3	1.7	5.1	2.5	3.7	1.6	2.8	2.9	1.8	2.2	12	1.6	2.7	5.1		
		Combustible Matter	6.6	6.0	6.1	4.0	13.0	8.7	14.8	7.2	4.7	8.1	4.6	3.6	12	3.6	7.3	14.8	7.3	12.0
5	P5 Northern Pond (No.1)	Insoluble Solids	9.2	4.6	10.4	6.5	6.1	3.7	8.0	4.8	10.9	6.2	5.7	1.0	12	1.0	6.4	10.9	6.4	15.0
		Ash	3.9	1.5	2.9	2.2	2.1	1.3	3.4	1.5	3.0	2.1	1.8	0.3	12	0.3	2.2	3.9		
		Combustible Matter	5.3	3.1	7.5	4.3	4.0	2.4	4.6	3.3	7.9	4.1	3.9	0.7	12	0.7	4.3	7.9	4.3	12.0
6	P6 40m West Coal Berth Stockyard	Insoluble Solids	8.6	4.5	12.5	4.7	6.7	5.0	26.7	3.1	5.4	4.4	6.4	BB	11	3.1	8.0	26.7	8.0	15.0
		Ash	2.9	1.9	5.0	2.0	3.9	2.3	1.0	2.0	2.6	2.5	3.9	BB	11	1.0	2.7	5.0		
		Combustible Matter	5.7	2.6	7.5	2.7	2.8	2.7	25.7	1.1	2.8	1.9	2.5	BB	11	1.1	5.3	25.7	5.3	12.0
7	P7 260m West No.2 Coalberth	Insoluble Solids	3.3	4.2	2.6	1.6	6.7	2.9	20.4	2.4	6.2	7.1	9.3	5.0	12	1.6	6.0	20.4	6.0	15.0
		Ash	2.0	2.7	1.6	1.0	5.3	2.0	3.4	1.0	4.8	5.3	6.6	3.3	12	1.0	3.3	6.6		
		Combustible Matter	1.3	1.5	1.0	0.6	1.4	0.9	17.0	1.4	1.4	1.8	2.7	1.7	12	0.6	2.7	17.0	2.7	12.0
8	P8 PKCT North Truckwash	Insoluble Solids	7.7	9.3	17.7	5.0	18.5	9.7	38.6	9.0	9.5	2.9	7.0	18.8	12	2.9	12.8	38.6	12.8	15.0
		Ash	2.2	3.2	3.4	1.1	4.0	2.9	8.9	2.7	1.7	0.7	2.3	4.5	12	0.7	3.1	8.9		
		Combustible Matter	5.5	6.1	14.3	3.9	14.5	6.8	29.7	6.3	7.8	2.2	4.7	14.3	12	2.2	9.7	29.7	9.7	12.0
9	P9 Wollongong Wastewater TP.	Insoluble Solids	1.8	1.4	1.6	2.5	2.4	2.1	12.1	na	3.3	bb	NA	NA	8	1.4	3.4	12.1	3.4	6.0
		Ash	0.9	0.7	0.6	1.4	1.3	1.2	2.8	na	1.9	bb	NA	NA	8	0.6	1.4	2.8		
		Combustible Matter	0.9	0.7	1.0	1.1	1.1	0.9	9.3	na	1.4	bb	NA	NA	8	0.7	2.1	9.3	2.1	4.0
15	P10 North of PKCT Planning Office	Insoluble Solids	8.3	8.4	9.3	10.8	14.2	9.4	8.0	3.2	3.5	6.1	17.1	10.3	12	3.2	9.1	17.1	9.1	15.0
		Ash	3.3	1.8	2.2	4.4	5.1	3.2	1.7	0.9	0.8	1.5	5.6	3.7	12	0.8	2.9	5.6		
		Combustible Matter	5.0	6.6	7.1	6.4	9.1	6.2	6.3	2.3	2.7	4.6	11.5	6.6	12	2.3	6.2	11.5	6.2	12.0
17	P11 Entry Gate BlueScope RO.RO Berth (109)	Insoluble Solids	5.6	2.0	1.8	3.0	2.3	2.1	0.2	2.1	0.3	4.4	6.8	5.2	12	0.2	3.0	6.8	3.0	6.0
		Ash	4.3	1.4	1.0	1.9	1.5	0.9	0.1	1.5	0.0	3.3	4.3	3.7	12	0.0	2.0	4.3		
		Combustible Matter	1.3	0.6	0.8	1.1	0.8	1.2	0.1	0.6	0.3	1.1	2.5	1.5	12	0.1	1.0	2.5	1.0	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

SAMPLE PERIOD	Date Sampled	Date Results Obtained	Date Published	COMMENTARY ON RESULTS
January 2015	30/01/2015	12/02/2015	16/02/2015	All sites within assessment criteria
February 2015	02/03/2015	12/03/2015	20/03/2015	All sites within assessment criteria
March 2015	30/03/2015	12/04/2015	20/04/2015	All sites within assessment criteria
April 2015	03/05/2015	19/05/2015	21/05/2015	All sites within assessment criteria
May 2015	02/06/2015	15/06/2015	16/06/2015	All sites within assessment criteria
June 2015	01/07/2015	13/07/2015	15/07/2015	All sites within assessment criteria
July 2015	30/07/2015	20/08/2015	27/08/2015	All sites within assessment criteria; strong westerly winds were observed across July, resulting in some elevated dust levels. Stockpile spray system was operational.
August 2015	01/09/2015	14/09/2015	23/09/2015	All sites within assessment criteria; strong westerly winds were observed across August, resulting in some elevated dust levels. Stockpile spray system was operational.
September 2015	01/10/2015	15/10/2015	16/10/2015	All sites within assessment criteria
October 2015	02/11/2015	11/11/2015	13/11/2015	All sites within assessment criteria
November 2015	04/12/2015	21/12/2015	22/12/2015	All sites within assessment criteria, contractors unable to access Site P9.
December 2015	29/12/2015	14/01/2016	15/01/2016	All sites within assessment criteria, contractors unable to access Site P9.



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EPL MONITORING SITES- RESIDENTIAL			Calendar Year 2015												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	1.0	0.8	0.8	1.2	1.4	0.8	0.4	1.1	0.8	2.0	8.3	3.1	12	0.4	1.8	8.3	1.8	4.0
	157 Church St	Ash	0.5	0.4	0.2	0.7	0.9	0.2	0.0	0.7	0.3	1.1	0.8	1.7	12	0.0	0.6	1.7		
	Wollongong	Combustible Matter	0.5	0.4	0.6	0.5	0.5	0.6	0.4	0.4	0.5	0.9	7.5	1.4	12	0.4	1.2	7.5	1.2	2.0
19	R2	Insoluble Solids	0.6	0.5	2.1	1.2	1.7	1.3	3.8	7.7	1.6	3.5	1.6	3.8	12	0.5	2.5	7.7	2.5	4.0
	Vikings Oval	Ash	0.2	0.1	1.0	0.6	0.1	0.1	0.2	0.1	0.6	1.8	0.7	1.8	12	0.1	0.6	1.8		
	Wollongong	Combustible Matter	0.4	0.4	1.1	0.6	1.6	1.2	3.6	7.6	1.0	1.7	0.9	2.0	12	0.4	1.8	7.6	1.8	2.0
TBA	R3	Insoluble Solids	0.8	1.2	1.6	0.7	0.8	0.2	3.2	0.3	BB	3.3	1.4	1.5	11	0.2	1.4	3.3	1.4	4.0
	Ross Street	Ash	0.4	0.6	0.8	0.2	0.4	0.2	0.7	0.1	BB	1.8	0.6	0.7	11	0.1	0.6	1.8		
	Wollongong	Combustible Matter	0.4	0.6	0.8	0.5	0.4	0.0	2.5	0.2	BB	1.5	0.8	0.8	11	0.0	0.8	2.5	0.8	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 2015	30/01/2015	12/02/2015	16/02/2015	All sites within assessment criteria.
February 2015	02/03/2015	12/03/2015	20/03/2015	All sites within assessment criteria.
March 2015	30/03/2015	12/04/2015	20/04/2015	All sites within assessment criteria.
April 2015	03/05/2015	19/05/2015	21/05/2015	All sites within assessment criteria.
May 2015	02/06/2015	15/06/2015	16/06/2015	All sites within assessment criteria.
June 2015	01/07/2015	13/07/2015	15/07/2015	All sites within assessment criteria.
July 2015	30/07/2015	20/08/2015	27/08/2015	All sites within assessment criteria.
August 2015	01/09/2015	14/09/2015	23/09/2015	All sites within assessment criteria; strong westerly winds observed across August resulting in some elevated dust levels. Stockpile spray system was operational.
September 2015	01/10/2015	15/10/2015	16/10/2015	All sites within assessment criteria. Bottle was found broken at Ross Street gauge.
October 2015	02/11/2015	11/11/2015	13/11/2015	All sites within assessment criteria.
November 2015	04/12/2015	21/12/2015	22/12/2015	All sites within assessment criteria. High depositional dust measured during November at Church Street was sent for additional microscopic analysis. Results confirmed that <1% of deposited material was coal and >95% was insect and plant remains.
December 2015	29/12/2015	14/01/2016	15/01/2016	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)	Commentary on Results
			pH total suspended solids oil/ grease (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)	
11/01/2015	12/02/2015	16/02/2015	8.1	14	not visible	EPL compliant
12/01/2015	12/02/2015	16/02/2015	7.4	25	not visible	EPL compliant
13/01/2015	12/02/2015	16/02/2015	8.3	19	not visible	EPL compliant
15/01/2015	12/02/2015	16/02/2015	7.8	11	not visible	EPL compliant
20/01/2015	12/02/2015	16/02/2015	9.0	19	not visible	EPL compliant
21/01/2015	12/02/2015	16/02/2015	6.9	11	not visible	EPL compliant
27/01/2015	12/02/2015	16/02/2015	7.1	12	not visible	EPL compliant
28/01/2015	12/02/2015	16/02/2015	7.6	<5	not visible	EPL compliant
29/01/2015	12/02/2015	16/02/2015	6.9	11	not visible	EPL compliant
30/01/2015	12/02/2015	16/02/2015	7.2	11	not visible	EPL compliant
05/02/2015	12/03/2015	20/03/2015	7.3	6	not visible	EPL compliant
06/02/2015	12/03/2015	20/03/2015	7.8	6	not visible	EPL compliant
09/02/2015	12/03/2015	20/03/2015	8.9	17	not visible	EPL compliant
10/02/2015	12/03/2015	20/03/2015	9.0	13	not visible	EPL compliant
13/02/2015	12/03/2015	20/03/2015	9.0	IS	not visible	Insufficient water to measure TSS. Field measured Turbidity 23.9 ntu indicates TSS <20mg/L
14/02/2015	12/03/2015	20/03/2015	8.7	38	not visible	EPL compliant
15/02/2015	12/03/2015	20/03/2015	8.6	26	not visible	EPL compliant
17/02/2015	12/03/2015	20/03/2015	8.9	19	not visible	EPL compliant
18/02/2015	12/03/2015	20/03/2015	7.4	17	not visible	EPL compliant
19/02/2015	12/03/2015	20/03/2015	7.5	19	not visible	EPL compliant
22/02/2015	12/03/2015	20/03/2015	7.4	19	not visible	EPL compliant
25/02/2015	12/03/2015	20/03/2015	8.7	17	not visible	EPL compliant
26/02/2015	12/03/2015	20/03/2015	7.5	9	not visible	EPL compliant
27/02/2015	12/03/2015	20/03/2015	7.6	11	not visible	EPL compliant
01/03/2015	12/04/2015	20/04/2015	8.0	19	not visible	EPL compliant
02/03/2015	12/04/2015	20/04/2015	7.8	14	not visible	EPL compliant
04/03/2015	12/04/2015	20/04/2015	7.6	17	not visible	EPL compliant
15/03/2015	12/04/2015	20/04/2015	9.2	19	not visible	EPL compliant
22/03/2015	12/04/2015	20/04/2015	9.3	29	not visible	EPL compliant
24/03/2015	12/04/2015	20/04/2015	9.0	27	not visible	EPL compliant
25/03/2015	12/04/2015	20/04/2015	8	17	not visible	EPL compliant
26/03/2015	12/04/2015	20/04/2015	7.6	10	not visible	EPL compliant
29/03/2015	12/04/2015	20/04/2015	7.9	33	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			water quality parameter		EPL Limit (100 percentile)	Commentary on Results
Sample Date	Date Results Obtained	Date Published	pH (pH units)	total suspended solids (milligrams per litre)	oil grease (milligrams per litre)	
02/04/2015	19/05/2015	21/05/2015	8.6	<5	not visible	EPL compliant
03/04/2015	19/05/2015	21/05/2015	8.4	11	not visible	EPL compliant
04/04/2015	19/05/2015	21/05/2015	8.1	22	not visible	EPL compliant
05/04/2015	19/05/2015	21/05/2015	7.9	5	not visible	EPL compliant
06/04/2015	19/05/2015	21/05/2015	6.7	<5	not visible	EPL compliant
07/04/2015	19/05/2015	21/05/2015	7.5	<5	not visible	EPL compliant
08/04/2015	19/05/2015	21/05/2015	7.7	<5	not visible	EPL compliant
09/04/2015	19/05/2015	21/05/2015	7.1	9	not visible	EPL compliant
10/04/2015	19/05/2015	21/05/2015	7.1	5	not visible	EPL compliant
13/04/2015	19/05/2015	21/05/2015	7.5	15	not visible	EPL compliant
15/04/2015	19/05/2015	21/05/2015	8.9	30	not visible	EPL compliant
16/04/2015	19/05/2015	21/05/2015	8.9	16	not visible	EPL compliant
17/04/2015	19/05/2015	21/05/2015	8.3	13	not visible	EPL compliant
18/04/2015	19/05/2015	21/05/2015	8.3	8	not visible	EPL compliant
19/04/2015	19/05/2015	21/05/2015	7.8	7	not visible	EPL compliant
20/04/2015	19/05/2015	21/05/2015	7.1	82	not visible	EPL compliant. Rainfall in the 5 days leading up to and including the overflow was 159.55mm, with 143.99mm occurring on the day of the overflow. Condition L2.5 of EPL1625 allows the limit of 50mg/L to be exceeded providing rainfall exceeds 90mm over 5 days preceding the event.
21/04/2015	19/05/2015	21/05/2015	7.2	<5	not visible	EPL compliant
22/04/2015	19/05/2015	21/05/2015	7.2	9	not visible	EPL compliant
23/04/2015	19/05/2015	21/05/2015	7.2	<5	not visible	EPL compliant
24/04/2015	19/05/2015	21/05/2015	6.9	<5	not visible	EPL compliant
26/04/2015	19/05/2015	21/05/2015	7.1	<5	not visible	EPL compliant
26/04/2015	19/05/2015	21/05/2015	6.8	<5	not visible	EPL compliant
27/04/2015	19/05/2015	21/05/2015	6.9	<5	not visible	EPL compliant
28/04/2015	19/05/2015	21/05/2015	7.4	6	not visible	EPL compliant
28/04/2015	19/05/2015	21/05/2015	7.5	6	not visible	EPL compliant
29/04/2015	19/05/2015	21/05/2015	7.7	<5	not visible	EPL compliant
30/04/2015	19/05/2015	21/05/2015	7.7	11	not visible	EPL compliant
01/05/2015	15/06/2015	16/06/2015	7.7	60	not visible	TSS levels being investigated, coagulant dosing system being developed and trialled.
02/05/2015	15/06/2015	16/06/2015	7.6	26	not visible	EPL compliant
03/05/2015	15/06/2015	16/06/2015	7.7	12	not visible	EPL compliant
04/05/2015	15/06/2015	16/06/2015	7.8	7	not visible	EPL compliant
05/05/2015	15/06/2015	16/06/2015	7.8	5	not visible	EPL compliant
10/05/2015	15/06/2015	16/06/2015	7.6	57	not visible	TSS levels being investigated, coagulant dosing system being developed and trialled.
11/05/2015	15/06/2015	16/06/2015	7.7	48	not visible	EPL compliant
12/05/2015	15/06/2015	16/06/2015	7.8	110	not visible	TSS levels being investigated, coagulant dosing system being developed and trialled.
13/05/2015	15/06/2015	16/06/2015	7.9	54	not visible	TSS levels being investigated, coagulant dosing system being developed and trialled.
14/05/2015	15/06/2015	16/06/2015	7.9	26	not visible	EPL compliant
15/05/2015	15/06/2015	16/06/2015	7.8	14	not visible	EPL compliant
16/05/2015	15/06/2015	16/06/2015	7.9	<5	not visible	EPL compliant
17/05/2015	15/06/2015	16/06/2015	7.9	<5	not visible	EPL compliant

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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.



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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)	Commentary on Results
Sample Date	Date Results Obtained	Date Published	pH	total suspended solids	monitoring only	
			(pH units)	(milligrams per litre)	less than 50 not visible	
18/05/2015	15/06/2015	16/06/2015	7.8	<5	not visible	EPL compliant
22/05/2015	15/06/2015	16/06/2015	7.7	7	not visible	EPL compliant
23/05/2015	15/06/2015	16/06/2015	7.8	<5	not visible	EPL compliant
24/05/2015	15/06/2015	16/06/2015	7.7	<5	not visible	EPL compliant
28/05/2015	15/06/2015	16/06/2015	7.5	11	not visible	EPL compliant
01/06/2015	13/07/2015	15/07/2015	7.8	<5	not visible	EPL compliant
10/06/2015	13/07/2015	15/07/2015	7.6	<5	not visible	EPL compliant
12/06/2015	13/07/2015	15/07/2015	7.6	<5	not visible	EPL compliant
13/06/2015	13/07/2015	15/07/2015	7.6	7	not visible	EPL compliant
14/06/2015	13/07/2015	15/07/2015	7.7	8	not visible	EPL compliant
15/06/2015	13/07/2015	15/07/2015	7.7	<5	not visible	EPL compliant
16/06/2015	13/07/2015	15/07/2015	7.6	6	not visible	EPL compliant
17/06/2015	13/07/2015	15/07/2015	7.3	32	not visible	EPL compliant
18/06/2015	13/07/2015	15/07/2015	7.3	9	not visible	EPL compliant
19/06/2015	13/07/2015	15/07/2015	7.4	12	not visible	EPL compliant
20/06/2015	13/07/2015	15/07/2015	7.5	13	not visible	EPL compliant
21/06/2015	13/07/2015	15/07/2015	7.6	21	not visible	EPL compliant
22/06/2015	13/07/2015	15/07/2015	7.4	26	not visible	EPL compliant
23/06/2015	13/07/2015	15/07/2015	7.5	7	not visible	EPL compliant
25/06/2015	13/07/2015	15/07/2015	7.2	40	not visible	EPL compliant
27/06/2015	13/07/2015	15/07/2015	7.3	<5	not visible	EPL compliant
23/07/2015	20/08/2015	27/08/2015	8.3	<5	not visible	EPL compliant
06/08/2015	14/09/2015	23/09/2015	7.7	<5	not visible	EPL compliant
12/08/2015	14/09/2015	23/09/2015	8.6	<5	not visible	EPL compliant
20/08/2015	14/09/2015	23/09/2015	8.6	17	not visible	EPL compliant
25/08/2015	14/09/2015	23/09/2015	7.4	22	not visible	EPL compliant
26/08/2015	14/09/2015	23/09/2015	6.8	7	not visible	EPL compliant
27/08/2015	14/09/2015	23/09/2015	6.9	5	not visible	EPL compliant
28/08/2015	14/09/2015	23/09/2015	7.0	8	not visible	EPL compliant
29/08/2015	14/09/2015	23/09/2015	7.2	<5	not visible	EPL compliant
26/09/2015	14/09/2015	16/10/2015	7.6	<5	not visible	EPL compliant
27/09/2015	14/09/2015	16/10/2015	7.5	<5	not visible	EPL compliant
21/10/2015	11/11/2015	13/11/2015	9.4	39	not visible	EPL compliant
22/10/2015	11/11/2015	13/11/2015	9.3	31	not visible	EPL compliant
27/10/2015	11/11/2015	13/11/2015	8.8	45	not visible	EPL compliant
28/10/2015	11/11/2015	13/11/2015	9.8	25	not visible	EPL compliant
29/10/2015	11/11/2015	13/11/2015	9.8	19	not visible	EPL compliant
30/10/2015	11/11/2015	13/11/2015	9.0	20	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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Water Collection System- Aerial View



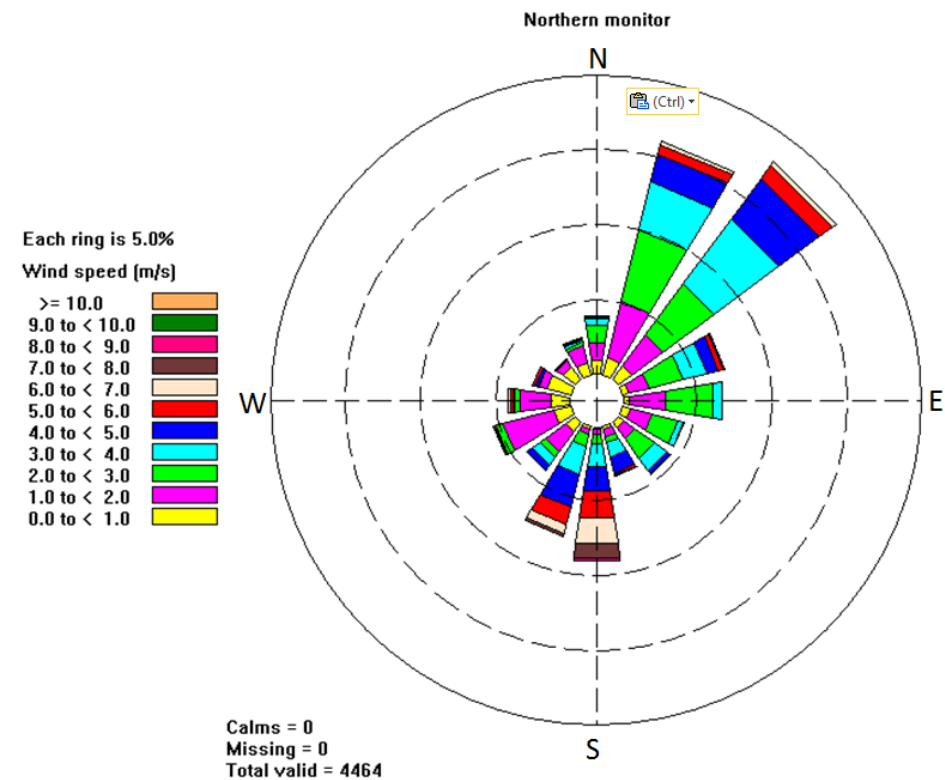
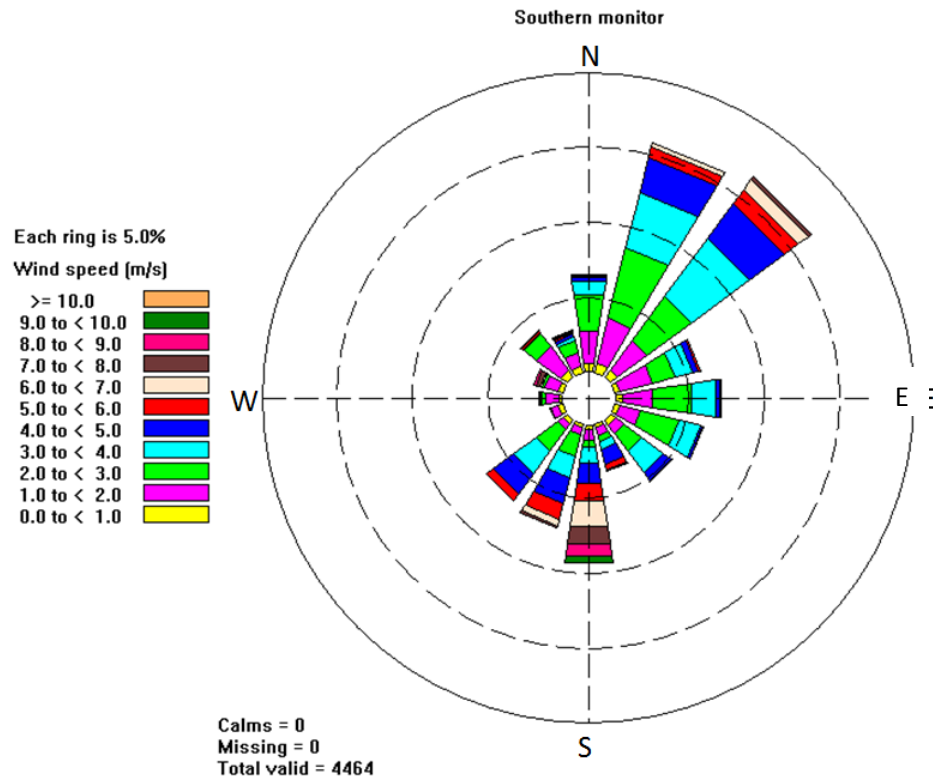
Nb South, Tower 3, Central, Workshop, North, TS1 pond and C7 pump collect site runoff for transfer to the settlement lagoon for treatment, reuse and harbour discharge.



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WIND ROSES - December 2015





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RAINFALL (PKCT site gauge)

