

An aerial photograph of a large industrial port facility, likely a coal terminal. The image shows several large cranes, a ship docked at a pier, and various industrial structures. The scene is set against a clear sky and a body of water. The text is overlaid on the center of the image.

**PKCT Community
Consultative Committee Meeting
June 2020
Remote delivered for COVID-19**



*PKCT: A valued link in the
global coal supply chain*

Agenda

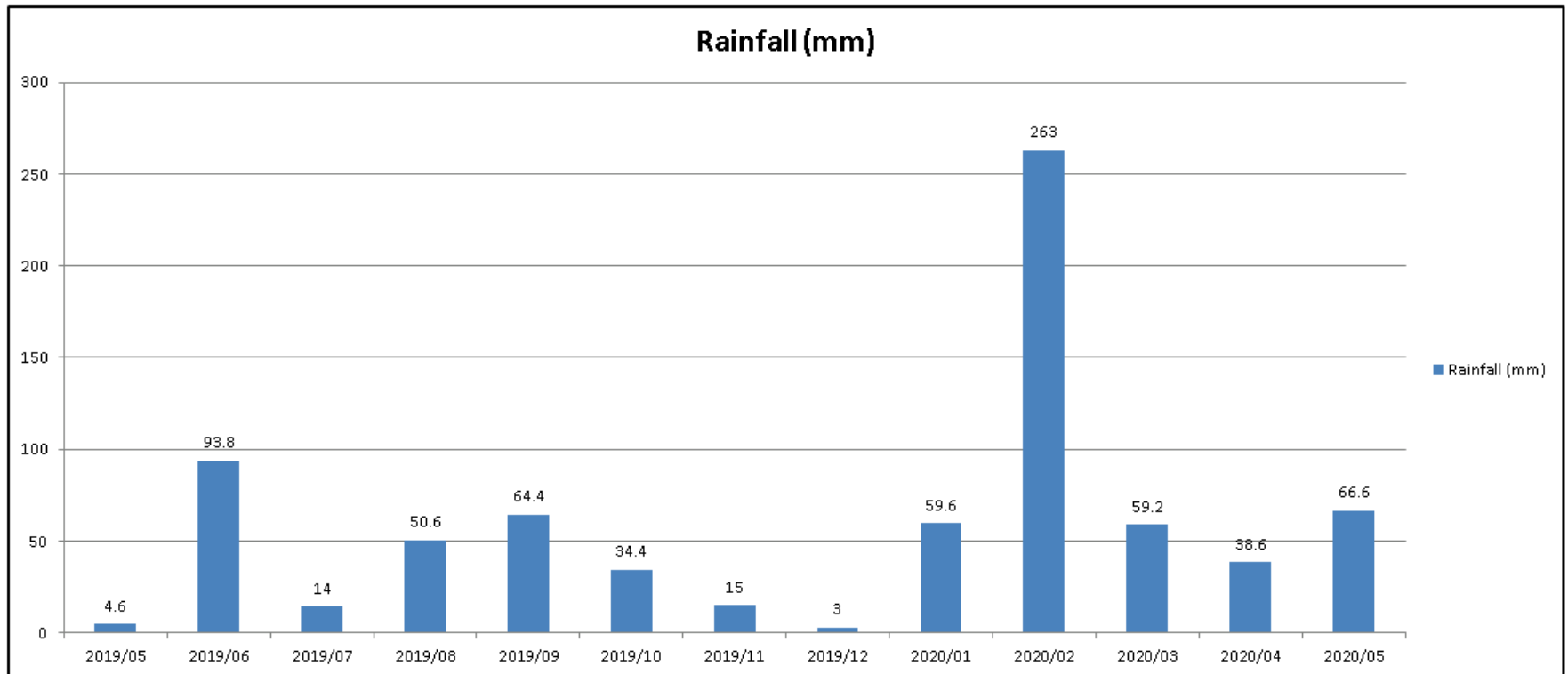
Attendance

- Attendance: Face to face meeting cancelled as a result of COVID-19 advice, meeting slides sent to group.
- Apologies: Anthony Mallon, Barry Peden, Luke Pascot, Brendan Leo, Craig Morris, Mike Curley

Items

1. Weather – Rainfall, Wind
2. Air Quality – Residential
3. Water Quality- Harbour Discharges
4. 2017/2018 Annual Return Summary
5. Environmental Improvements/Initiatives
6. Site Inspection – New Equipment
7. General business
8. Actions

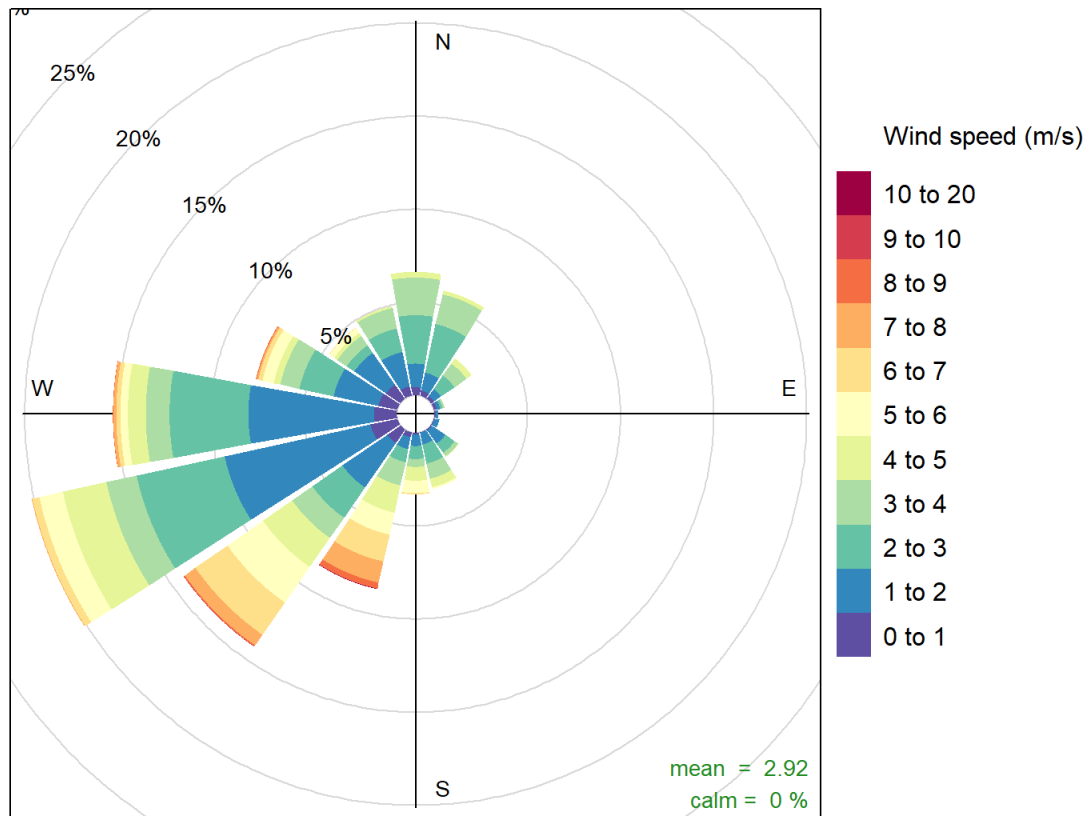
Rainfall



- Last significant rainfall February 2020, 263mm across month

Wind – May 2020

Northern monitor



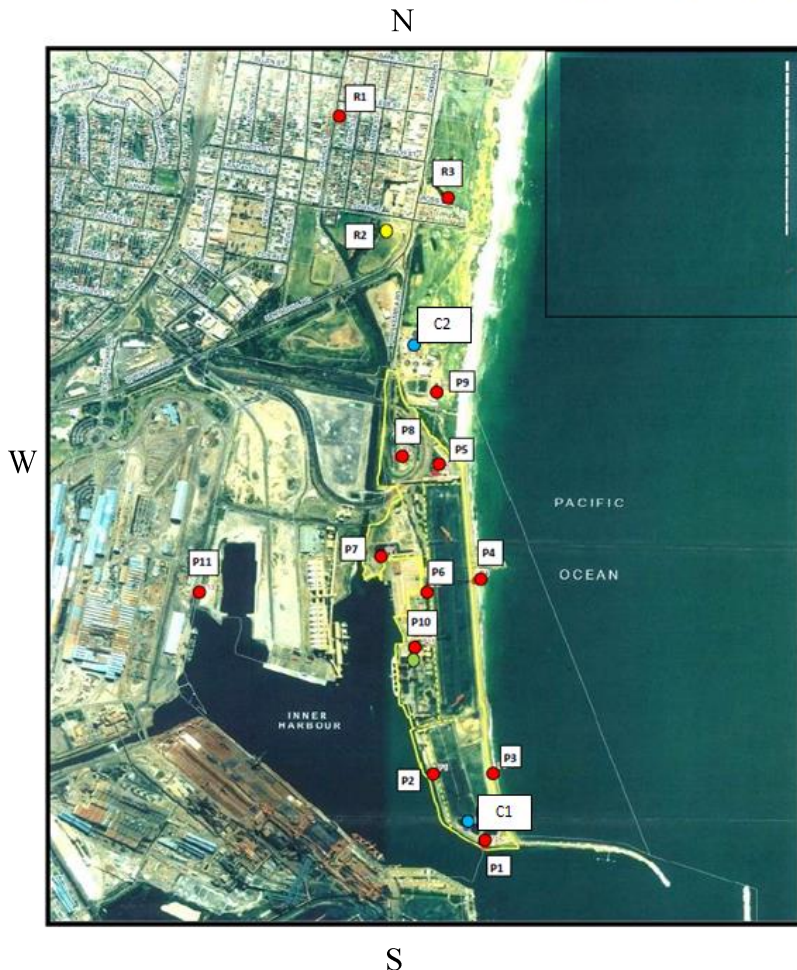
Frequency of counts by wind direction (%)

- Wind results measured at Northern dust gauge at SWTP May 2020.
- Mixture of wind directions. Most and strongest from the South West followed by West
- 1m/sec = 3.6km/h

Dust Gauge Locations

PORT KEMBLA COAL TERMINAL DUST & WEATHER MONITOR LOCATIONS

16th October 2015

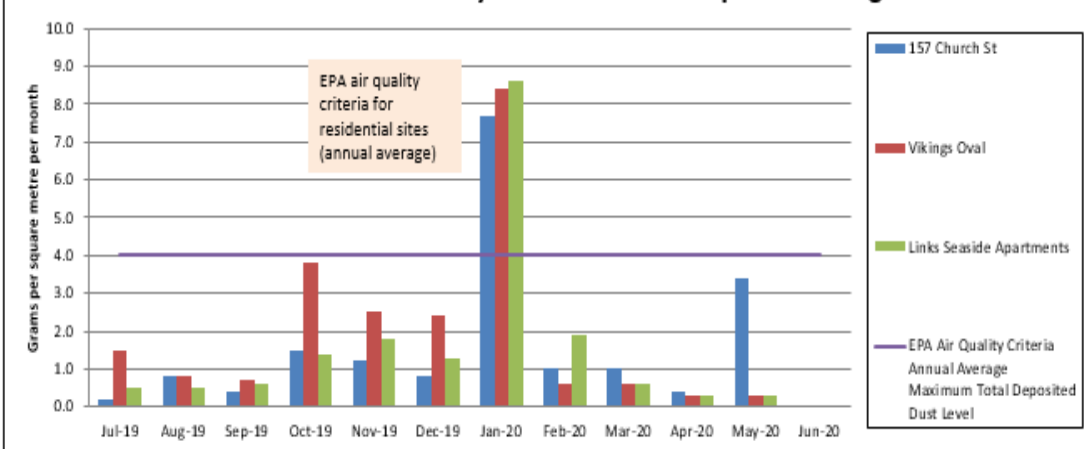


EPL No.	PKCT No.	Dust Monitor Location Description
1	P1	25m south of Bulk Products Berth (BPB)
2	P2	40m south of Bulk Products Berth stockyard
3	P3	40m east of Bulk Products Berth stockyard
4	P4	40m east Coal Berth stockyard
5	P5	Northern Pond (Pond No.1)
6	P6	40m west Coal Berth stockyard
7	P7	250m 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

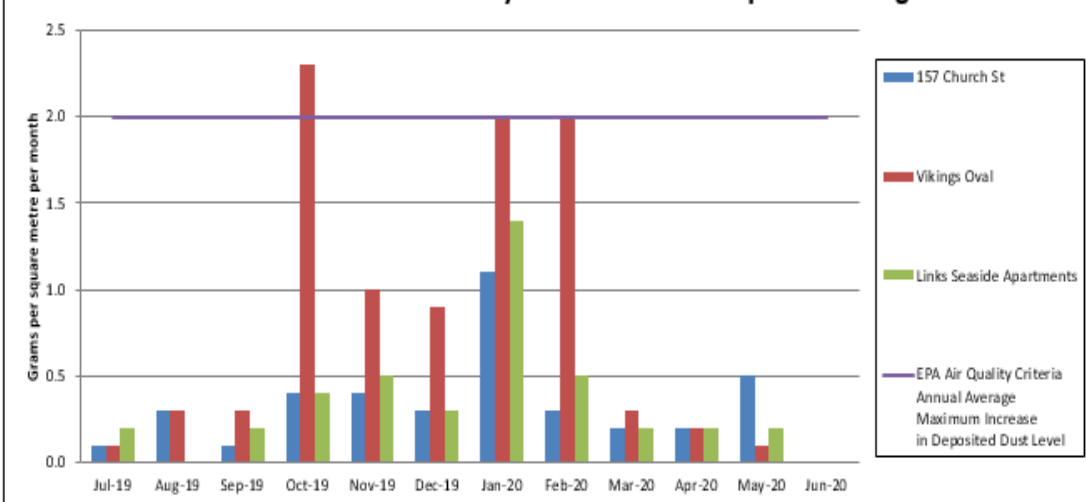
- # refer PKCT Environment Protection Licence(EPL) No. 1625 (EPA ID No.)
- Dust Gauges- Environment Protection Licence monitoring sites
Sites denoted "P": industrial; "R": residential
 - Continuous Dust Monitor Sites- additional
 - (a) BlueScope High Volume Sampler & dust gauge
(b) PKCT EPL Monitoring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

Depositional Dust - Residential

Insoluble Solids - Monthly Residential Dust Deposition Gauges



Combustible Matter - Monthly Residential Dust Deposition Gauges



- Nb criteria below is an annual average. Data presented in graphs to left is monthly actuals.
- Three residential dust gauges were all below EPA 12 month rolling average Air Quality Criteria for Insoluble Solids and Combustible Matter for all months.
- January saw a much higher than normal depositional dust trend for both insolubles and combustible matter. These elevated levels were a result of the prolonged bushfire smoke haze and drought conditions across the region. High combustible matter recorded at the Vikings Oval gauge in October was confirmed by the lab as insect remains.
- 12 month rolling average Insoluble Solids*
 - Ross St (Links) – 1.6 g/m² month
 - Church St – 1.6 g/m² month
 - Vikings Oval – 1.9 g/m² month
- 12 month rolling average Combustible Matter*
 - Ross St (Links) – 0.4 g/m² month
 - Church St – 0.3 g/m² month
 - Vikings Oval – 0.8 g/m² month

*July 2019 to May 2020

Water Quality – LDP16 Discharge

Start June 2019 to end of May 2020						
Monitoring Parameter	Number of Overflows	Maximum Recorded Value	Minimum Recorded Value	Mean Recorded Value	Compliant Samples %	EPL Limits
pH	87	10.6	7	8.4	n/a	Measurement only
TSS (mg/L)	87	97	<5	19	97%	50mg/L
Oil and Grease (mg/L)	87	5	<5	<5	100%	Not Visible
<p>Note pH and Oil and Grease limits were removed from EPL in September 2014 Last exceedance on 17th January 2020 TSS 59mg/L</p>						

- Oil and grease remains at 100% compliant
- TSS – 97% compliant,
- pH – Monitoring and reporting only

Regulatory Update

- No EPA reportable events since last meeting in March.
- PKCT submitted 2019/2020 Annual Return (summary of compliance to licence) to the EPA in May 2020. Based on the EPA's review of the Return, PKCT has maintained an "A1" risk ranking which is a great result.
- Triennial Independent Audit has been rescheduled to early August following a COVID-19 delay. The audit which is required every three years is undertaken to look at compliance against PKCT's Planning Approval 08_0009.
- Annual Environmental Management Report – Annual summary report discussion PKCT's compliance to our planning Approval. Report is due for submission at the end of July. Report will be made available on the PKCT website once submitted.

Environmental Improvements

Completion of North pond Coagulant Dosing System

A fully automated coagulant dosing system has been installed and commissioned at the north pond to improve PKCT's water treatment capabilities. >\$30,000, The dosing plant complements the existing system in the Central Pond and over the past few months has been effective in removing clays from the water



Flow Meters

Four magna-flow flow meters have been installed at the Settlement Lagoon. Cost of >\$30,000, the meters will allow PKCT to monitor pump condition, set flow rates and quickly identify system failures once fully commissioned.



Biostim Trial

PKCT has had problems with algal blooms in one of our ponds since the introduction of recycled water in 2009. Elevated algal counts have the potential to add TSS to our discharge water and in high levels potentially exceed our licence conditions. PKCT has engaged a specialist to assist in this space and is currently undertaking a trial in our Settlement Lagoon of an algal control product called Biostim. If successful, the natural, non-toxic product will assist with reducing the extent and frequency of algal blooms in our lagoon and reduce the likelihood of an EPL exceedance as a result.



PKCT Site Access

- With the ongoing Pandemic situation, PKCT has implemented strict access controls to protect our people and business. Until the situation stabilises, all access to PKCT and the seawall road is managed by a security contractor stationed at the entry to PKCT.

- Contact details

Name	Phone	Email
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Brendan Leo	0400919875	brendanleo@hotmail.com

Date Raised	Action Description	Action By	Action Status	Date Closed
22/05/19	Request PKCT/ Security to open gates on seawall road at first light.	LP		



Actions Tracking

Date Raised	Action Description	Action By	Action Status	Date Closed
1211-1	Provide further information on breakdown of "black dust" and various dust sources.	AC	Will seek further information through this next round of testing. Program ongoing, data being shared with CCC.	15/05/2019
8/3/17	Community group would like emails notifying them whenever the Seawall Road is closed.	LP	Addressed, PKCT procedure has been updated. LP will be notified internally through email of any planned closures. LP will email CCC group.	07/06/2017
8/3/17	Group requested to look at opening times of the Seawall Road gate as it seems to now be at 7:00am rather than 5am. Opening early would minimise likelihood of cars parking on main access road.	LP	Complete.	25/10/2017
8/3/17	Lock 2 nd gate at Seawall Road rather than first gate.	LP	Complete. Planners are aware of requirement and will as much as possible close second gate. Sometimes there is an operational need to close first gate.	06/07/2017
8/3/17	Group asked if PKCT had looked into Naturally Occurring Radioactive Materials (NORMS) in coal fines	LP	Complete – LP raised topic at CoP meeting in Mackay recently with other east coast coal terminals. No one had any concerns or community/regulator	21/09/2017

Date Raised	Action Description	Action By	Action Status	Date closed
1612 - 15	Confirm with group whether 4pm meeting times remain the most practical.	LP	Group confirmed that 4pm is still ok. 8/3/17	8/3/17
1606 - 14	PKCT to undertake dust collection and analysis on dust from Barry's veranda if possible.	AC	Meeting at Links, PKCT to send off secondary dust gauge samples for analysis at CSIRO. Samples were subsequently collected and are now with CSIRO for analysis. Results expected early April 2017.	8/3/16



Completed Actions

Date Raised	Action Description	Action By	Action Status
1211-2	Review sampling arrangements at Links Seaside Apartments	AC	Complete
1311-1	Links Seaside Apartments: AC provided BP with sketch of proposed holder .	BP	Complete
1311-2	Investigate various types of tarps in use with consideration to their effectiveness as a dust and spill control. Include in proposed PKCT truck company audits.	LP	Complete
1311-3	Ref. discussion on PM2.5, PM1.0- Review PKCT Dust Data to consider respective contributions in TSP and consider how best to present.	LP	Complete, subject to discussion
1408-13	Clarify on the continuous dust monitoring slide that the data is for the northern monitor.	LP	Complete
1412-03	LDP16 EPL limits were suggested to be added to the “Water Quality Slide”.	LP	Complete added to final presentation.
1412-03	Incorporate summary slide from Port Kembla Harbour Environment Group into next CCC presentation.	AC	Complete
1408-13	Request for feedback to the group re. general environmental performance of the Port. related to PKCT’s participation in the Port Users Group.	AC/PG	AC- discussion with Roger Kirk from PKPC indicated environmental matters not covered in detail and raised on an exception basis.
1412-03	Anthony has old dust gauge in his yard. PKCT to remove.	AC/LP	Complete.



Completed Actions

Date Raised	Action Description	Action By	Action Status
0303 - 1	Provide definitions for “soot” and other point count analysis components.	LP	Complete – See “Attachment A” at end of presentation.
1510-01	Install bottle in 2 nd holder at Links Seaside Apartments site	AC	Completed post meeting; installed on 16.10.15
1510-02	Add NSEW indicator on dust gauge location plan and wind roses	LP	Complete post meeting
1510-03	PKCT website- increase font size of Hotline number	LP	Completed post meeting
1510-04	Update EPL web report dust monitoring location plan- Links Seaside Apartments	LP	Completed post meeting
1510-05	Change bottom arrow between item 7 and 8 on the “process stages of depositional dust monitoring” diagram	LP	Completed post meeting
1510-06	Re. depositional dust monitoring process- get PKCT sampling/ testing firm, SGS to present.	LP	Complete – SGS presented at March 2016 meeting
1408-13	Investigate analysing the dust captured by the continuous dust monitor filters.	LP	Complete - Coalbridge Services in Newcastle was sent samples and worked with CSIRO to undertake and report on dust on filters. Data reported to group in June 16 meeting.