



**PKCT Community
Consultative Committee Meeting
18th March 2020**



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

Agenda

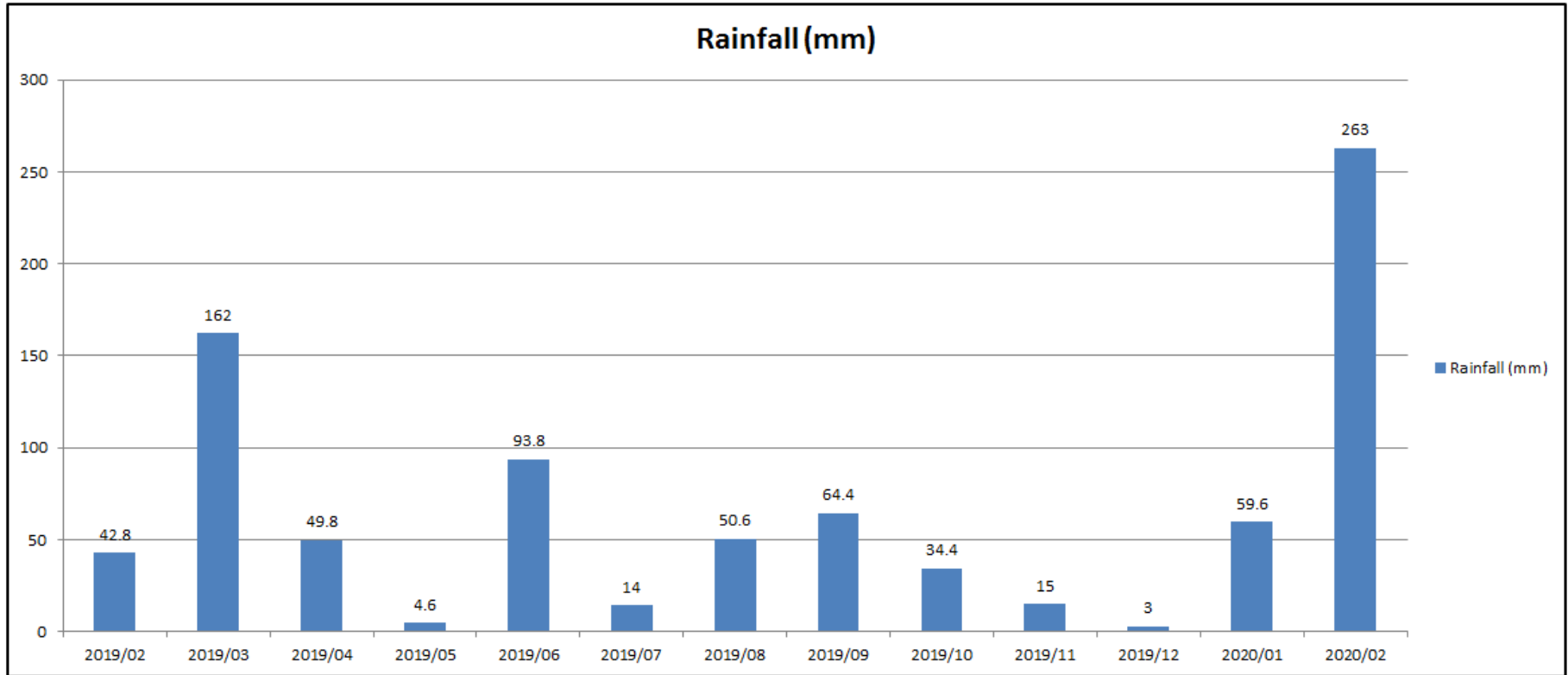
Attendance

- 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

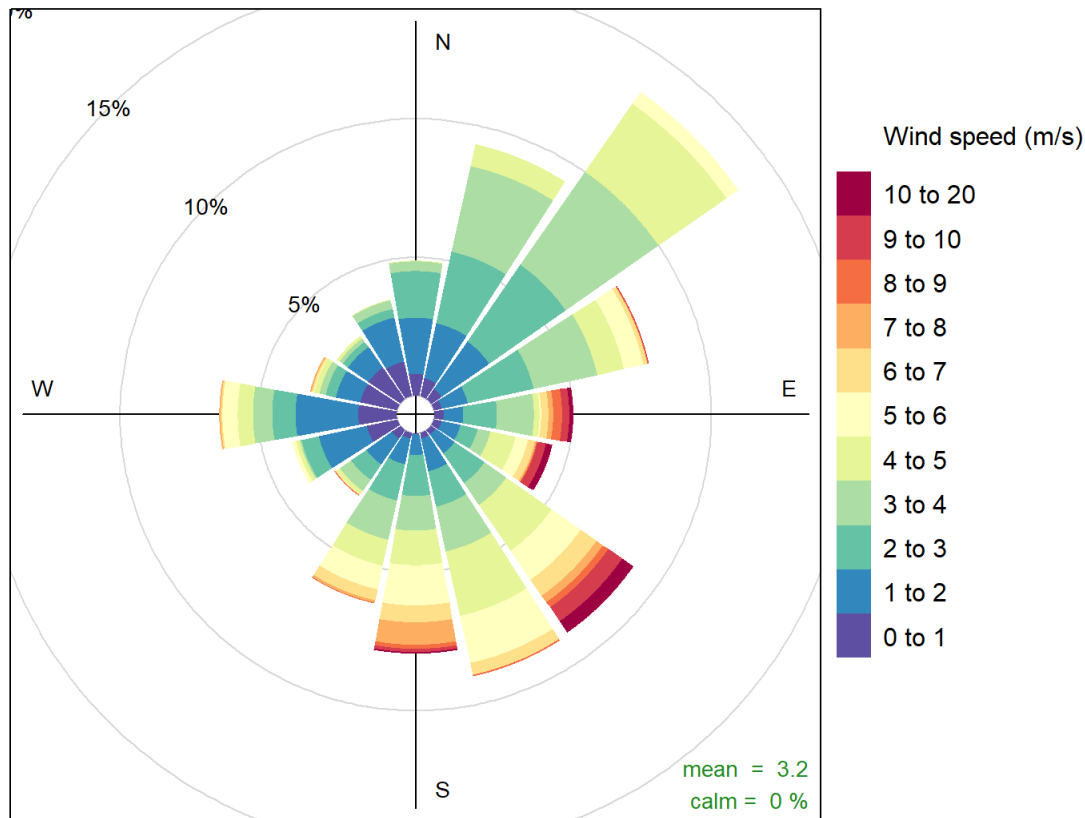
Rainfall



- Last significant rainfall February 2020, 263mm across month

Wind – February 2020

Northern monitor



Frequency of counts by wind direction (%)

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

Dust Gauge Locations

PORT KEMBLA COAL TERMINAL DUST & WEATHER MONITOR LOCATIONS

16th October 2015

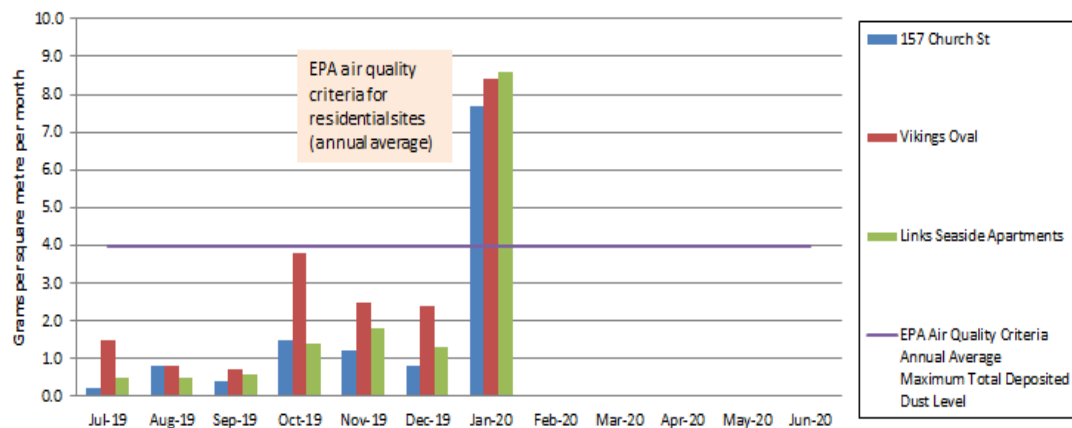


EPL No.	PKCT No.	Dust Monitor Location Description
1	P1	25m south of Bulk Products Berth (BPB)
2	P2	40m south of Bulk Products Berth stockyard
3	P3	40m east of Bulk Products Berth stockyard
4	P4	40m east Coal Berth stockyard
5	P5	Northern Pond (Pond No.1)
6	P6	40m west Coal Berth stockyard
7	P7	250m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

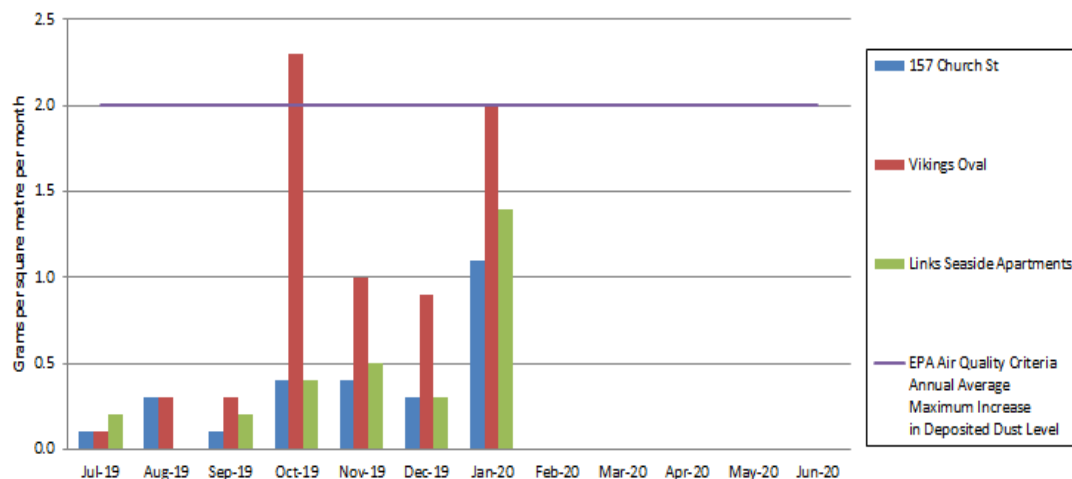
Insoluble Solids - Monthly Residential Dust Deposition Gauges



Since last meeting, the three residential dust gauges were all below EPA 12 month rolling average Air Quality Criteria for Insoluble Solids and Combustible Matter.

- Nb criteria below is an annual average. Data presented in graphs to left is monthly actuals.
- 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.

Combustible Matter - Monthly Residential Dust Deposition Gauges



- 12 month rolling average Insoluble Solids*
 - Ross St (Links) – 1.9 g/m² month
 - Church St – 1.5 g/m² month
 - Vikings Oval – 2.1 g/m² month
- 12 month rolling average Combustible Matter*
 - Ross St (Links) – 0.5 g/m² month
 - Church St – 0.4 g/m² month
 - Vikings Oval – 0.7 g/m² month

*February 2019 to January 2020

Water Quality – LDP16 Discharge

Start April 2019 to end of February 2020						
Monitoring Parameter	Number of Overflows	Maximum Recorded Value	Minimum Recorded Value	Mean Recorded Value	Compliant Samples %	EPL Limits
pH	84	10.5	7	8.6	n/a	Measurement only
TSS (mg/L)	84	97	<5	20	95%	50mg/L
Oil and Grease (mg/L)	84	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 – 95% compliant,
- pH – Monitoring and reporting only

Regulatory Update

- Across the last 12 months (since March 2019), PKCT has reported 4 TSS exceedances at our Licenced Discharge Point LDP16. This followed almost 4 years of compliant discharges.
- All events have been reported to the regulator (EPA) as required under our licence conditions, no events were deemed Material, nor did they cause any environmental harm.
- As reported during our last CCC meeting, PKCT received a formal warning for the initial event. For the latest event, the EPA has indicated that it would not be taking any further action.
- Investigations into the cause of the events have found that PLC coding errors and clay inputs were the primary factors in the exceedance events.
- Since early last year, PKCT mobilised a working group to undertake a full review of PKCT's contaminated water system. The review has looked in detail at the changed catchment conditions within the PKCT leased area, pump configuration and reliability, pond cleaning and sediment removal improvements, maintenance improvements and reliability improvements, additional chemical dosing systems as well as further online monitoring equipment to improve response time in the event of a system issue.
- PKCT has gained approval from the Board to continue with the work and progressively implement the key improvement initiatives.
- To date, PKCT has completed full automation of our existing Central Pond Coagulant dosing system, will complete commissioning of an additional coagulant dosing system at the North Pond by the end of March, has completed a project on reviewing catchment boundaries and pump configurations across site, has completed upgrades to aspects of the CWCT PLC coding and has applied for funding to install 4 online flow monitoring devices at the Settlement Lagoon.
- During the significant rain event in February 2020, PKCT experienced a 263mm rain event and did not have any water quality exceedances.
- PKCT will continue to work through the actions.



Regulatory Update continued..

- PKCT self reported an observed dust event on 2nd January. During a strong southerly change, PKCT noted some dust moving off our stockpiles for a short time. There was significant dust observed across the whole port precinct from a number of operations at the same time due to the intensity of the change. PKCT quickly controlled our site within a few minutes.
- All of our dust management systems were operational prior to and during the event.
- As of 17th March, PKCT has not yet received a response from the EPA following our self report.

Environmental Improvements

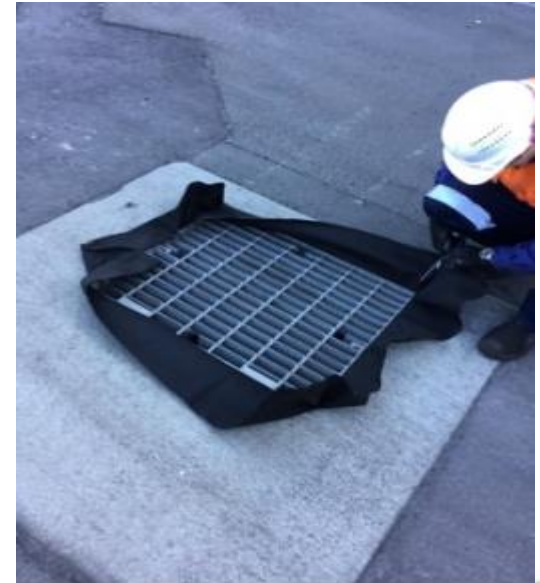
Dedicated coal drying pits

In August 2019, PKCT completed the initial build of our dedicated coal drying pits. The trial pits are located at the northern end of our main yard and are designed to allow quick drying and processing of spillage coal gathered from across the operation. The system is an improvement on the old methods as it allows coal to be dried and moved on within a week as opposed to a month or more under the old system. Additionally, clean-up of the area is much easier resulting in less dust generation. The pits have proven effective after months of use and are now being upgraded to permanent installations.



Drain Wardens

In September 2019, PKCT installed 12 “Drain Wardens” in our Workshop Pond catchment. The wardens are made from geotextile material and are designed to capture any particulate matter and/or hydrocarbons before it enters our pond network. By adding the Warden's, we are trying to minimise the volume of sediment reaching our pond network. The Wardens are being monitored for their effectiveness and depending on results may be trialled in other areas across the site.



Environmental Improvements

Road Receival Moisture Meter

As part of PKCT Pollution Reduction Program (PRP) “U1”, PKCT has designed, installed and commissioned a moisture meter on our inbound road stream. The moisture meter allows PKCT to measure coal moisture as it is delivered to site. Once the project is complete at the end of August, PKCT will be able to utilise the data, by comparing measure moisture rates against expected moisture rates and adjust stockyard spray activity accordingly.

Community

In December and January, during the height of the bushfire crisis, PKCT facilitated a site wide fundraising BBQ breakfast with members of the Mt Kembla RFS. Staff and contractors at KCT were able to raise over \$1000 from the event.





Audits

ISO14001 Compliance

PKCT continues to maintain systems and processes in line with the ISO14001 Environmental Management Systems and ISO9001 Quality Management Systems. For PKCT, this means we are accredited as having systems in line with worlds best practice. To maintain compliance, PKCT is required to undertake routine, 6 monthly audits by an external auditing company. PKCT's latest audit in February occurred with no non-compliances identified.

Triennial Independent Audit

As per the requirements of our Planning Approval, PKCT is required to undertake an independent external audit every three years. The auditor needs to be approved by the minister prior to the audit being undertaken. PKCT's next audit is to be undertaken across April and the minister has recently approved the auditing company ERM to undertake our audit.

- Contact details

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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.