PKCT Community Consultative Committee Meeting Meeting No. 51 Nov 23rd 2021





Attendance

- Attendance: Barry Peden, Luke Pascot, Brendan Leo, Mike Curley,
- Apologies: Anthony Mallon, Craig Morris, David Richards

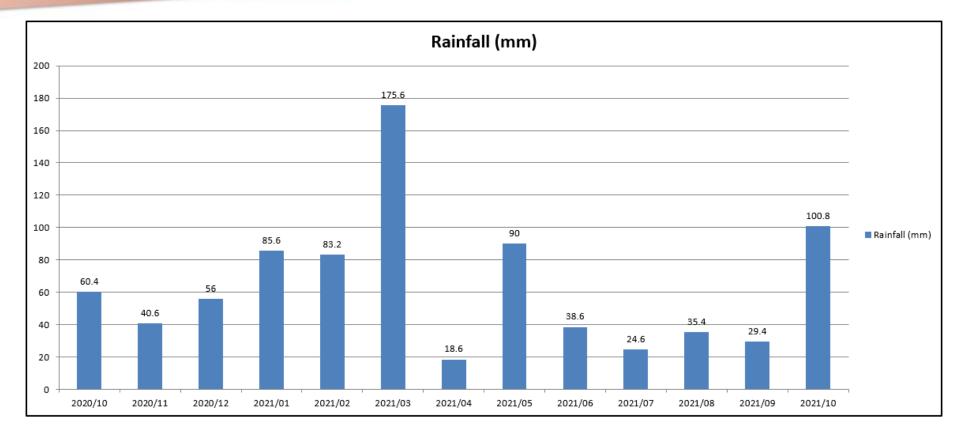
Items

- 1. Weather Rainfall, Wind
- 2. Air Quality Residential
- 3. Water Quality- Harbour Discharges
- 4. Regulatory Update
- 5. Environmental Improvements/Initiatives

Agenda

- 6. AIE Update
- 7. Seawall Road Update
- 8. Luke extended leave
- 9. General business
- 10. Actions



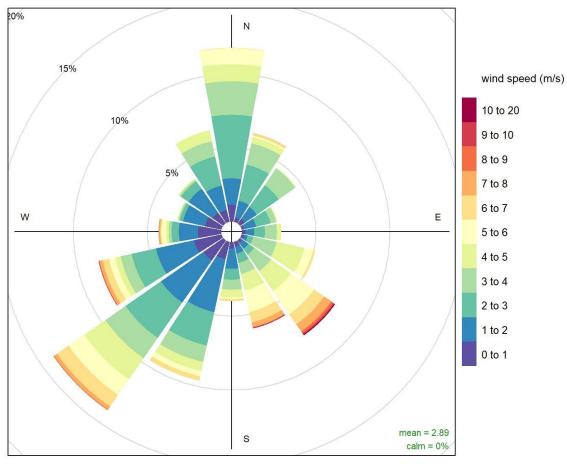


• Last significant rainfall March 2021, 175.6mm across month, summer likely to be defined as "*la nina*" i.e. wetter conditions than normal.



Wind – Oct 2021

Northern Monitor

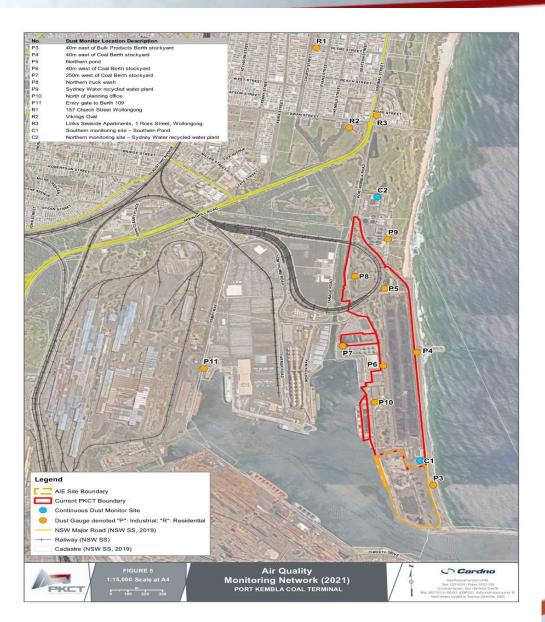


Frequency of counts by wind direction (%)

- Wind results measured at Northern dust gauge at SWTP Oct 2021.
- Mixture of wind directions. Most and strongest from the SW
- 1m/sec = 3.6km/h

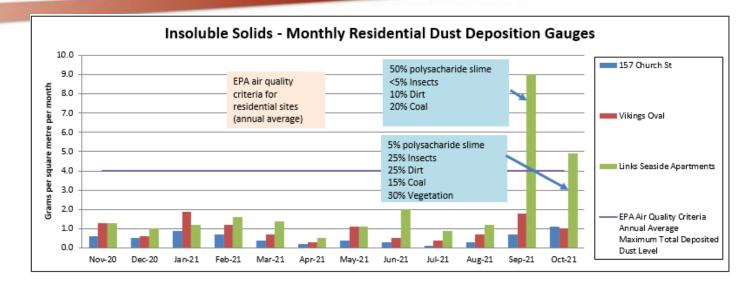


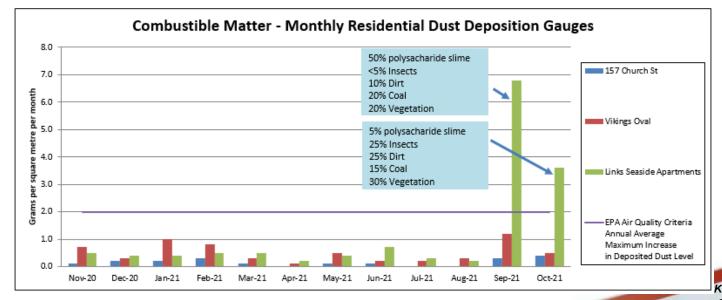
Dust Gauge Locations





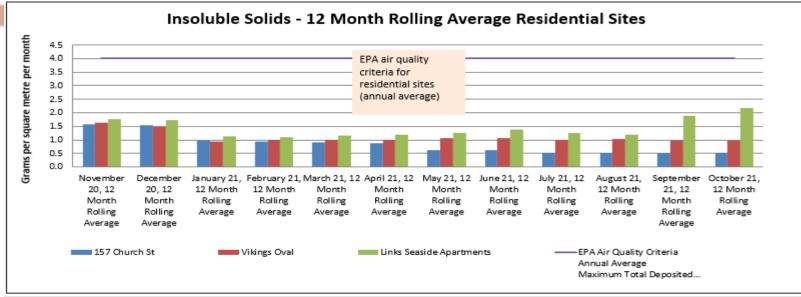
Depositional Dust – Residential Monthly dust

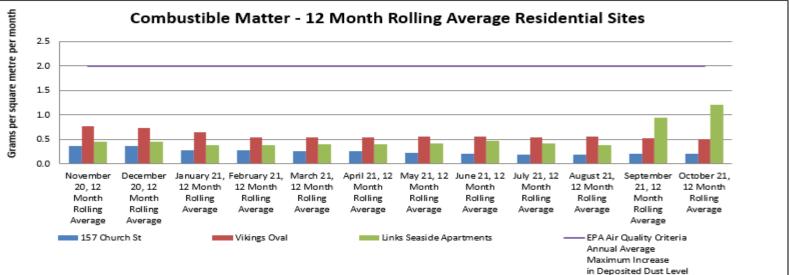






Depositional Dust – Residential 12 month rolling average





global coal supply chain



Water Quality – LDP16 Discharge

Start November 2020 to end Oct 2021							
Monitoring ParameterNumber of OverflowsMaximum RecordedMinimum RecordedMean RecordedCompliant Samples %EPL						EPL Limits	
рН	149	8.5	5.7	7.1	n/a	Measurement only	
TSS (mg/L)	149	28	<5	10.1	100%	50mg/L	
Oil and Grease (mg/L)	149	6	<5	<5	100%	Not Visible	
Note pH and Oil and Grease limits were removed from EPL in September 2014							
Last exceedance on 17th January 2020 TSS 59mg/L							

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



Regulatory Update

- As of end of 23 November 2021, PKCT has not had any EPA reportable non-compliant events for a period of 676 days.
- PKCT submitted 2019/2020 Annual Return (summary of compliance to licence) to the EPA in May 2021. Based on the EPA's review of the Return, PKCT has maintained an "A1" risk ranking which is a great result. 2021 Annual return has been submitted this week, no non-compliance reported
- Triennial Independent Audit has was completed in August 20
 - Audit identified 7 non conformances in total, 3 of which had already been reported previously to the regulators and rectified.
 - Full audit report can be found on PKCT's website; <u>https://www.pkct.com.au/community-environment/regulatory-documents</u>
- Annual Environmental Management Report Annual summary report discussion PKCT's compliance to our planning Approval. Report was submitted end July 2021. Report was reviewed by DPI&E who have accepted reports findings. Report is available on the PKCT website; <u>https://www.pkct.com.au/communityenvironment/regulatory-documents</u>
- NPI submitted in September
- ISO 14001/9001 Environmental and Quality management Systems Audit recertification in December 2021.



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 is our lagoon and reduce the likelihood of an EPL exceedance as a result. Refer to data at end of presentation









Environmental Improvements

Successful trial of water cart pressure jet system

PKCT has utilise the existing partnership with our road sweeper provider to trial a new pressure jet machine that has become available for additional focussed cleaning around site. After a successful initial trial, PKCT has opted to utilise the machine along our front entry road and in other hard to clean areas on a campaign basis.





2 New Continuous Dust Monitors

PKCT has purchased and is in the process of installing two new Osiris continuous dust monitors. The monitors replace the aging Osiris instruments and the project has been designed to allow a more flexible approach to monitoring and alarming of dust events that may occur at PKCT from time to time.

Settlement Lagoon Cleanout

https://youtu.be/H5nfRe2q2il





AIE Update

- In October 2020, NSW Ports, PKCT and Australian Industrial Energy (AIE) agreed to a surrender of the southernmost portion of the PKCT site to AIE effective from 31st March 2021. This has resulted in a reduced operational footprint for the PKCT site, resulting in a change to the air quality and water quality monitoring requirements in accordance with PKCT's EPL No 1625.
- PKCT has completed an update on both the EPA EPL and the DPIE Management Plans to reflect the new layout of the PKCT operation. Both the EPL and the 11 Management Plans have been reviewed and approved by the regulators. All Plans on PKCT website www.pkct.com.au
- In summary, PKCT has removed 2 ponds and associated sumps, 5 pumps and 2 depositional dust gauges. PKCT's new layout now includes 2 new ponds and 2 new pumps. The effective catchment area reporting to the PKCT CWCT has been reduced by approximately 48% with the removal of the southern portion of the site.
- PKCT has also replaced our two aging continuous dust monitors with new units, relocating the southern unit further north into our new site boundary.

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• Seawall Road has been relinquished to NSW Ports as part of the surrender.



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Seawall Road

Port Kembla Coal Terminal (PKCT) closed road access to Seawall Road as a COVID-19 health and safety measure while the 'Ruby Princess' was docked at Port Kembla. At that time, we completed an audit of the area as part of our safety management approach and have determined that in the interests of overall health and safety, the access road will remain closed.

- Prior to this closure, PKCT had seen an increased number of incidents with the general public gaining unauthorised access to the operational site. These incidents are of significant concern, particularly those involving children on bicycles; members of the public driving into the road receival area; public standing in the path of trucks taking photos and pedestrians walking where there is no footpath.
- We acknowledge this change does limit access for members of the public, but we understand the public still have access to the Seawall Road via other access points.
- PKCT is an industrial facility with a significant logistical operation involving road receival, trains, large earth moving equipment and light vehicles and those who work here are highly trained, wear high visibility clothing and are inducted to work in the area. Closing the front road access gates provides a safe place of work and eliminates the risk of the public interacting with the coal trucks and large earth moving equipment.
- We must ensure the safety and health of everyone who accesses the site, and for that reason we have decided to keep this road access closure in place until such time the risks can be mitigated.
- As you may also be aware, the port is undergoing significant changes to use, land/lease ownership. Sections of the property currently leased by PKCT from NSW Ports will be surrendered to <u>NSW Ports</u>. As of the 1st of April 2021, the southern part of PKCT's lease (Berth 101) will be occupied by another NSW Ports tenant, <u>Australian Industrial Energy</u> whilst Seawall Road will be managed by NSW Ports.
- PKCT has been and continues to be in discussion with <u>NSW Ports</u> and AIE to understand what impact these changes will have going forward.
- Due to planned protests, additional security measures (fencing and cameras) were installed at the northern end of seawall road in November. These additional security measures are temporary.



Luke extended leave

- LP will be taking extended leave in 2022 to travel.
- Mike Curley and Waine Vorley will be primary contacts at PKCT.
- <u>Michael.Curley@pkct.com.au</u>
- Waine.Vorley@pkct.com.au



General Business

Contact details

Name	Phone	Email
Luke Pascot	0419 657 929	Luke.pascot@pkct.com.au
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Anthony Mallon		a.j.mallon@gmail.com
Brendan Leo	0400 919 875	brendanleo@hotmail.com



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



Actions Tracking

BOAT 21				
Date Raised	Action Description	Actio n 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)	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

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Action Description	Actio n By	Action Status	Date closed
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
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
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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.