

**Meeting No. 134**  
**Wednesday, 5 December 2018**  
**9.00 a.m. – 10.30 a.m.**

**NSW Ports' Board Room, Level 3 Maritime Centre**  
**91 Foreshore Road, Port Kembla**

## **Minutes**

### **PRESENT**

Trevor Brown	NSW Ports
Ron Hales	Community Representative
Chris Haley	Chairman
Nigel Harpley	Ixom
Stephanie Jurd	GrainCorp
Brian Kiely	Port Kembla Gateway
Roger Kirk	Port Authority of NSW
Dene Ladmore	Quattro Ports
Philip Laird	Community Representative
John Macpherson	Pacific National
Brendan Moss	GrainCorp
Greg Newman	Environment Protection Authority
Luke Pascot	Port Kembla Coal Terminal
Natasha Porteous	BlueScope Steel
Lawrence Zammit	BlueScope Steel

### **1. Apologies**

Allison Broad	University of Wollongong
Andy Davis	University of Wollongong
Lucinda Machell	LINX Cargo Care
Olive Rodwell	Community Representative
Renee Winsor	Wollongong City Council

### **2. Presentation – Update on Dust Improvement Projects in the Recycling Area, BlueScope Steel**

Natasha Porteous delivered a presentation regarding dust improvement projects that BlueScope Steel is undertaking in the Recycling Area (see Attachment A).

In response to questions Natasha said that:

- BlueScope is looking to improve the predictive wind modelling tools that it uses with the aim of giving 2hrs notice of strong wind events; and
- real-time air monitoring data (PM10) is available via the BlueScope in the Illawarra website ([www.bluescopeillawarra.com.au](http://www.bluescopeillawarra.com.au)).

### **3. Confirmation of Minutes of Meeting No. 133 held on Wednesday, 17 October 2018**

The Minutes of Meeting 132 held on Wednesday, 2 August 2018, were received and accepted.

### **4. Key Initiatives and Actions**

Trevor Brown provided a status update for the Key Initiatives and Actions.

## 5. Climate Change

Trevor Brown reported that he recently attended the MIAL Environment Masterclass that was focussed on energy and the challenges for shipping to transition to cleaner fuels and reduce its greenhouse gas emissions. There is considerable interest in fuels such as liquefied natural gas (LNG) and hydrogen.

## 6. Road and Rail Infrastructure

Chris Haley reported that the letter to the Minister for Transport seeking support for the Maldon-Dombarton line had to be re-sent and we are still awaiting a response.

It was reported that the Mount Ousley Road interchange project is still at the planning phase.

## 7. PKHEG Website

Trevor Brown presented a proposed home screen design for the group website. The response from attendees was generally positive. Trevor will proceed to commence populating the site with information and update the Group on progress at the next meeting.

## 8. Legislation and Policy

It was noted that amendments to the Protection of the Environment Operations (Waste) Regulation 2014 were gazetted in November to better manage and control asbestos waste. These amendments will

- elevate certain asbestos waste offences from the Regulation to the POEO Act - making it an offence under the POEO Act to dispose of asbestos waste unlawfully, as well as prohibiting the re-use or recycling of asbestos waste;
- increase the penalties for those offences, as well as increasing penalties for land pollution involving asbestos waste; and
- introduce the presence of asbestos as a sentencing consideration under the POEO Act.

Terminal operators are working to meet new biosecurity compliance standards for First Points of Entry imposed by the Department of Agriculture and Water Resources.

## 9. Round Table Reports (update on Harbour related information)

### 9.1. GrainCorp

Brendan Moss advised that Stephanie Jurd has been appointed as the new Port Operations Manager for the grain terminal at Port Kembla. Stephanie reported that GrainCorp is continuing to import grain from Western Australia. They are planning to install new rail loading infrastructure to improve the efficiency of the outloading process for imported grain.

### 9.2. Port Kembla Coal Terminal

Luke Pascot reported that PKCT is currently demolishing the old stackers and reclaimers that have recently been replaced.

### 9.3. Community Representatives

Ron Hales proposed that a letter of thanks be sent to Sharon Bird for her past efforts advocating for reduction in marine plastics pollution and requesting continued support.

Ron noted that the amount of beverage containers collected under the Return and Earn scheme has been excellent. He is interested to know how well recycling markets are coping with the increased supply of containers. Greg Newman said that he would make enquiries regarding this and report back to the Group.

**ACTION: Greg Newman to seek advice on the performance of the Return and Earn Scheme and report back to the Group at the next meeting.**

Ron observed that government action on climate change seems inevitable given the level of public attention and concern that is being expressed on this issue.

Ron advised that the annual Rise and Shine Awards Presentation would be hosted by Wollongong City Council on 6 December. He expressed sincere thanks to BlueScope Steel for its ongoing support of the program.

#### *9.4. Ixom*

Nigel Harpley reported that construction of the new truck loading bay on Foreshore Road is continuing. In response to a question from Philip Laird, Nigel advised that product is occasionally transported by rail in isotainers, but is mostly distributed by road.

Nigel said that Ixom is considering expansion plans which may include sourcing sulphur from a Victorian natural gas plant. They are currently undertaking engineering design review to firm up costings. Nigel will report back to the Group in 2019 on any outcomes.

#### *9.5. Environment Protection Authority*

Greg Newman reported that EPA is currently assessing the Environmental Impact Statement for the gas import terminal proposed by Australian Industrial Energy (AIE). Chris Haley requested a copy of drawings showing proposed containment structure for dredge spoil emplacement in the Outer Harbour.

Greg advised that he had recently visited Port of Newcastle to inspect bulk materials handling operations and associated environmental management practices. A meeting was held with Port Kembla businesses regarding bulk materials handling on 7 November to discuss challenges and opportunities for improvement to minimise dust and spillage.

#### *9.6. NSW Ports*

Trevor Brown advised that NSW Ports has finalised the design of its environmental incentive for shipping. A copy of the fact sheet will be included with the minutes (Attachment B).

Philip Laird enquired when the next cruise ship was due to visit and Trevor said that he would find out and provide a response.

*[Post meeting note: the Explorer of the Seas is due to visit Port Kembla on 11 February 2019]*

#### *9.7. Port Authority of NSW*

Roger Kirk reported that the Iron Chieftain incident was managed with no discharge of noxious substances. The containment boom has been removed from around the vessel. The vessel is being prepared for sea towage. It is likely to be towed to Turkey to be scrapped. The hull of the vessel will be cleaned prior to towage, this may require the deployment of containment boom again.

Roger advised that PANSW is undertaking hydrographic survey of Port Kembla Harbour to assess siltation. He also said that PANSW is working with Bureau of Meteorology on methods to predict long period wave episodes in the Outer Harbour which impact on ship's moorings.

## **10. General Business**

### *10.1. Actions from previous meetings*

Allison Broad has requested that the presentation on Sustainable Anchoring Research be deferred until early 2019 when the analysis of research data is complete.

Trevor Brown said that he would call Renee Winsor to discuss whether Council can give a presentation on the Port Kembla Revitalisation Strategy.

*10.2. New Business*

There were no new business items raised.

*10.3. Correspondence*

There was no incoming correspondence received.

**11. Next Meeting:**

**DATE:** Wednesday, 6 February 2019

**VENUE:** NSW Ports Board Room  
Level 3, Maritime Centre  
91 Foreshore Road  
PORT KEMBLA

**TIME:** 9.00 a.m. to 10.30 a.m.

RSVP: Trevor Brown on Telephone: 4275 0714  
or E-mail [trevor.brown@nswports.com.au](mailto:trevor.brown@nswports.com.au)

**Port Kembla Harbour Environment Group**

**Key Initiatives and Actions 2018-2020**

**as at December 2018**



<b>Initiative/ Action</b>	<b>Responsibility</b>	<b>Expected Completion</b>	<b>Status</b>
<b>1. Planning for Sustainability</b>			
1.1. Prepare Sustainable Development Guideline	NSW Ports	June 2019	In progress
1.2. Prepare NSW Ports Sustainability Plan 2018	NSW Ports	May 2019	Scoping phase
<b>2. Stormwater / Wastewater Management</b>			
2.1. Collate Port Kembla Stormwater / Wastewater management information	NSW Ports & tenants	April 2019	Not commenced
2.2. Guideline for Stormwater / Wastewater Management	NSW Ports	June 2019	Not commenced
<b>3. Illegal Dumping and Litter Reduction</b>			
3.1. Coordinated plan for illegal dumping and litter reduction	NSW Ports & tenants	June 2019	Not commenced
3.2. Assess feasibility of Allans Creek Litter Boom	Council	TBA	Pending funding and resources to assess feasibility
<b>4. Weeds and Pest Control</b>			
4.1. Coordinated plan for weed and feral pest control	NSW Ports & tenants	June 2019	Not commenced
<b>5. Conserve the marine environment</b>			
5.1. Research towards sustainable anchorage practices – Phase 1, habitat identification	UoW, NSW Ports	Feb 2019	In progress
<b>6. Promote awareness of Port Kembla and its environment</b>			
6.1. Develop educational resources for schools regarding ports	NSW Ports	Apr 2019	In progress
6.2. PKHEG website	All members	June 2019	In progress





## Progress on Dust Improvement Projects in the Recycling Area

December 2018

Presentation to PK Harbour Group 5 December 2018

<h3>PRP165 – Dust Monitoring &amp; Adaptive Management Plans</h3>	<h3>PRP167 – Re-profile Steelmaking Slag Stockpile</h3>
	
<p><b>COMPLETED</b></p>	<p><b>COMPLETED</b></p>
<p><b>What was achieved:</b></p> <ul style="list-style-type: none"><li>* 6 real time dust monitors were installed in the Recycling Area.</li><li>* Internal 'trigger' levels were set and monitored over a 12 month period.</li><li>* Conclusions from this study will inform PRP170 – (Prioritised Stockpile Management Plan )</li></ul>	<p><b>What was achieved:</b></p> <p>Material on the top of the stockpile was pushed down the sides to reduce the height to reduce the height of the BOS Slag stockpile to the height of the North Wall.</p> <p>* Licence clause: no stockpile to exceed the height of the North Wall.</p>

<p>Pollution Reduction Project 166 – Particulate Matter Control Best Practice</p>	<p>PRP169 – Stockpiled Material Environmental Risk Assessment</p>
	
<p><b>COMPLETED</b></p>	<p><b>COMPLETED</b></p>
<p><u>What was achieved:</u></p> <ul style="list-style-type: none"> <li>* Every stockpile was assessed and ranked</li> <li>* Dust emission controls were compared against best practice (Coal Mine Best Practice)</li> <li>* Assessed other sources of dust emission quantities (vehicle movements, roads, operational areas)</li> </ul>	<p><u>What was achieved:</u></p> <ul style="list-style-type: none"> <li>* For each type of material stored in the Recycling Area, an assessment of the windborne dust emissions, potential for stormwater runoff &amp; leaching and risk of land contamination was carried out.</li> </ul>
<p>* Conclusions from this study will inform PRP170 – Prioritised Stockpile Management Plan )</p>	<p>* Conclusions from this study will inform PRP170 – Prioritised Stockpile Management Plan )</p>

### Next Steps

- \* Trialling chemical dust suppressants to coat stockpiles and seal unsealed ground.
- \* Consultant review and recommendations of improvements to water sprays in the slag stockpile area.
- \* Continuing to research and improve predictive wind warnings.
- \* Progress with completing PRP 170





## PRP170 – Prioritised Stockpile Management Plan



**Objective:** To establish a management plan for all stockpiled materials based on their risk.

**How this will be achieved:**

Based on the findings from PRP 165, 166 and 169, a prioritised management plan will be developed with a timeline to achieve the identified management options.

**Status:** Not yet commenced (Due February 2020)







# Environmental Incentive



Shipping is the most efficient mode of transportation of goods. It produces fewer CO<sub>2</sub> emissions per tonne transported than other modes of transport. While shipping is a global industry that is internationally regulated, ports have a role to play in promoting continual improvement in environmental performance. NSW Ports is committed to driving sustainable growth, so we have developed an Environmental Incentive for Shipping that is taking effect from 1 January 2019. This is the first such incentive to be offered in Australia and provides an excellent opportunity to encourage clean and climate friendly shipping.

The Incentive will apply to ships registered with the international Environmental Ship Index (ESI) visiting Port Botany and Port Kembla. Vessels qualifying for the Incentive will receive a financial payment in the form of a rebate on their port charges.

## PURPOSE

The purpose of the Incentive is to demonstrate that NSW Ports and the shipping industry are voluntarily taking steps to improve environmental outcomes for local communities and our planet. Together we will demonstrate this as:

- ships improve their environmental performance beyond regulatory requirements;
- NSW Ports provides a financial benefit to eligible ships; and
- data is collated enabling an understanding of the emissions reductions achieved and the measures which have achieved these reductions.

## DETAILS

### 1. ENVIRONMENTAL SHIPPING INDEX (ESI)

The ESI is an initiative within the World Ports Sustainability Program that is administered by the ESI Bureau of the International Association of Ports and Harbours (IAPH). The ESI identifies seagoing ships that perform better in reducing air emissions than required by the current emission standards of the International Maritime Organisation. The ESI evaluates ships on a scale from 0 to 100 according to the following factors:

- the amount of nitrogen oxide (NO<sub>x</sub>) that is emitted by a ship;
- the amount of sulphur oxide (SO<sub>x</sub>) that is emitted by a ship; and
- the greenhouse gas (or CO<sub>2</sub>) emission of the ship relative to the distance sailed.

Specific formulae are applied to determine the contribution of each factor to the overall ESI score.

Ships receive an ESI score by making a self declaration to the ESI Bureau that is verified and published on the ESI website. Ships are required to regularly update their data in order to maintain their ESI score. Incentive Providers such as NSW Ports may, with the permission of IAPH, undertake audits of ships to check the validity of data provided to ESI. For more details regarding participation in ESI, including terms of use, refer to the ESI website ([www.environmentalshipindex.org](http://www.environmentalshipindex.org)).

### 2. ELIGIBILITY CRITERIA AND REBATE STRUCTURE

Each ship visiting Port Botany or Port Kembla must meet the following criteria to be eligible for a rebate under this Incentive:

- be a commercial ship for which vessel charges are payable to NSW Ports (refer to the Schedules of Port Charges at <https://www.nswports.com.au/resources/port-charges/>) or be a commercial container ship at Port Botany; and
- have a valid ESI score of 20 or greater at the time of its visit; and
- submit the required information to NSW Ports regarding emission reduction measures on the questionnaire provided.

Rebates shall be provided on a per visit basis. Each ship shall be categorised according to its ESI Score to determine the applicable rebate (refer to Table 1 below). Container ships visiting Port Botany will receive a part-rebate that is 40% of the full rebate received by other vessels as vessel fees for these ships are payable to Port Authority of NSW and not NSW Ports.

**Table 1. Applicable rebates for each category of ships based on ESI scores**

ESI CATEGORY	ESI SCORE	REBATE PER VISIT (AUD, excl. GST)	
		Port Botany Container Ships	Other Ships
N	Not listed	\$ 0	\$ 0
A	0 – 19.9	\$ 0	\$ 0
B	20.0 – 34.9	\$ 400	\$ 1,000
C	35.0 – 49.9	\$ 600	\$ 1,500
D	50 or greater	\$ 1,000	\$ 2,500

The Shipping Emissions Control Questionnaire must be submitted annually by the ship owner or its authorised agent for each ship. The questionnaire identifies the types of control measures ships are utilising to reduce emissions of air pollutants and greenhouse

gases. The information provided in the questionnaire will help NSW Ports to assess the effectiveness of the Incentive program and identify trends in ship design and operation that may inform the provision of infrastructure and services at our ports.

The Shipping Emissions Control Questionnaire must be submitted before the last day of the first month of the quarter in order to be eligible for a rebate in that quarter. For instance, to be eligible for a rebate in the quarter Jan-Mar 2019, the questionnaire must be submitted by 31 January 2019. The validity of each completed questionnaire will expire on 31 December annually and ship owners/agents will be required to resubmit the questionnaire by 31 January of the next year to maintain eligibility for the Incentive.

NSW Ports may amend the Questionnaire at any time to ensure that relevant information is collected.

### 3. RECEIPT OF INCENTIVE

NSW Ports shall determine eligibility for the Incentive and the rebate amounts payable for each ship that visits Port Botany and Port Kembla as per the criteria described above. Rebates shall be paid on a quarterly basis to the account of the party responsible for paying the following port charges:

- Wharfage for containerised cargo at Port Botany;
- Site occupation at Bulk Liquids Berths 1 and 2, Port Botany; or
- Navigation services at Port Kembla.

Rebate amounts shall be itemised for each ship visit in a detailed statement that will accompany the Recipient Created Tax Invoice (RCTI).

In case of queries, NSW Ports will provide any additional details.

### 4. USE OF INFORMATION PROVIDED

Information collected by NSW Ports about ships eligible for the Incentive shall be used to evaluate and report on its effectiveness. NSW Ports shall abide by the Terms of Use for ESI data and will not disclose specific information about any ship or data provider without the prior permission of the data provider.

## Further Information

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