

Annual Summary of Meeting Minutes

14 December 2022

- Discussion about complaint investigations and personal details being disclosed to the Committee. PNL to seek advice on the Privacy Act.
- Committee agreed to digitize the annual newsletter in the future.
- PNL advised that NCC carried out on-site audit on Port noise monitoring in September and are still waiting for the report. The auditors indicated they would support a second noise monitor.
- PNL advised that Marshall Day had been approached to provide a high-level study on the effect of vessel generator noise in Nelson. PNL was also working with the wider Ports of NZ and Australia to better understand the effects from generator noise.
- PNL provided an update on the PNL Master Plan and advised that PNLC would be invited to provide comments in the planning process.

29 March 2023

- Discussion on how the PNLC could run more efficiently. PNL demonstrated its ability to be more proactive in the communication to residents by advance notice of the recent visit of the vessel Maersk Nansha and agreed to be open and transparent by showing video footage for the complaint investigation.
- PNL reported that the Cold Ironing (Shore-to-Ship Power) required upgrade of the wharves, and also the ships and substation of the electricity supply, which could be a 7–10-year plan. PNL noted that no cargo ships in NZ or Australia have the capability to take onshore power except Navy. PNL also advised that there is a 2–3-year plan for electrifying the cranes with the existing power capacity.
- PNL provided an update on the Maersk Action Plan of "noisy vessels", the mitigation measures on the vessels and the removal of Maersk Nansha from their regional services.
- PNL advised that Marshall Day was undertaking the study on vessel generator noise, and the most effective practical measure would be the reactive silencers to auxiliary generator exhaust.
- PNL report that several complaints have been received with abusive language and advised that these complaints would not be tolerated or replied to in the future.
- PNL provided an update on noise monitoring upgrade. 3 quotations were received and under internal discussion on the setup location.
- PNL advised that the Port Noise Contour had been reviewed by Hegley Acoustic without significant changes from 2018 version and submitted to the Council.

12 September 2023

- Discussion on the definition of 'Significant Noise Event'. Further discussion needed.
- PNL advised that the Council was satisfied with the updated monthly report format.
- PNL reported that all CEOs of NZ ports had signed the Ship Noise Specification to manage the vessel generator noise with NEPTUNES Noise Label Scoring system.
- Residents Rep questioned about the Port Noise Contour Map. PNL advised that it was prepared by Hegley Acoustic and submitted to NCC and peer-verified by their consultant.
- PNL advised the plan on purchasing a new electric and diesel crane which was subject to board approval.
- Residents Reps reported that there were concerns on the noise issue from the oil tank farm alarm system. PNL agreed to highlight the issue to BP and Z Energy.

7 November 2023

- PNL reported that flush bollard lid modification at Main Wharf had been done due to a banging noise complaint.
- PNL presented the response from BP and Z Energy regarding the alarm noise issue. They confirmed that the alarm couldn't be turned off remotely and needed to be audible for when people were physically on site. Residents Reps mentioned that the alarm going off for 2 hours at night was unacceptable. PNL agreed to discuss with BP and Z Energy for alternative solutions.
- Residents Reps are occasionally called out of town urgently on business and are unable to attend meetings. They sought agreement from the members of the committee to allow a stand in as discussed by the commissioners. The committee agreed that a meeting would go ahead if at least two Residents Reps could attend.
- Discussion on Port Nelson's Master Plan. Residents Reps reflected that it was a feedback or brainstorm session instead of consultation. PNL advised that it was at an early stage with different options provided to the board for decision and PNLC would be consulted further after that.
- PNL advised the forecast of cruise vessel visits this season.

6 December 2023

- Drafted minutes to be uploaded to PNL Website.

PORT NELSON



Annual Newsletter 2023

Port Noise Liaison Committee (PNLC)

Chairman Bob Dickinson wraps up the year



It has been another challenging year for the Port Noise Liaison Committee (PNLC). This year saw the exit of Peter Moffatt from the PNLC, I would like to thank him for his time on the committee. With Peter's departure, the committee welcomed Robin Whalley as the new PNLC Representative. The PNLC

also welcomes Colin Devenish, Port Nelson's General Manager to contribute to the Committee.

The highlight of the year was the collaborative action of all NZ Ports to launch the new Ship Noise Specification for tackling the low frequency vessel generator noises. Since June 2022, a particular kind of noise has been affecting the entire region. As a result, some container

ships, such as Safeen Prime, Maersk Nadi, and Maersk Nansha, have been prohibited from serving the whole country until they implement certain mitigation measures and meet adequate noise performance standards.

We look forward to 2024 and discussing and considering new noise reduction technology with new and old members of the PNLC.

I would like to wish the community and Port staff, a Merry Christmas and a Happy New Year.

Bob Dickinson

Port Nelson Noise Liaison Committee

The PNLC is comprised of seven members: three elected Port Hills Residents, three Port Nelson (PNL) appointed, and an Independent Chairperson. The PNLC meet four times per year and its role is to oversee the implementation of the Port Nelson Noise Mitigation Plan.

The full minutes from all meetings can be found on the Port Nelson website and a summary of meeting minutes is on page four.

If you would like to know more about the role of the PNLC or if you would like to discuss port noise; you can contact any of the community representatives below.

Ian Wright – Email: ian.pnnlc@gmail.com Ph 021 997 885

Robin Whalley – Email: robin@stepneyville.ch Ph 027 747 7298

Tony Vining – Email: tony.vining5@gmail.com Ph 021 463 739

If you would like to talk to Port Nelson directly, please contact us at pnlc@portnelson.co.nz.

The committee want to encourage the community to continue to express concerns with port noise via the noise complaint system located on PNL's website at <https://www.portnelson.co.nz/community/living-near-the-port/>. This is relevant for all port noise, including "clangs and bangs", and helps the committee to understand noise better and look at options for improvement. The recently added tick-box on the noise complaint web page allows PNL to share complainant details with the Resident's Reps. Your Resident's Reps considered this important as it gives them a chance to follow up on complaints directly with the submitter.

Residents Reps would like to thank residents that have participated with us this year, either directly or via the Port noise complaints system.

We also wish everyone in the neighbourhood a great festive season.

PORT NELSON

STEVEDORING QUAY PACK QUAYCONNECT

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www.portnelson.co.nz



General News

Update on PNL Environmental Team

The Port welcomes a new General Manager - Environment, Infrastructure and Maintenance, Colin Devenish, and a new Environmental Manager, Shannon Holroyd.

Online Form for Newsletter Subscription

As of next year this newsletter will be available electronically only. You can sign up to receive this newsletter and other updates into your inbox by subscribing to our PNLC email list on Port Nelson's website > www.portnelson.co.nz/community/living-near-the-port/port-noise-liason-committee.



SCAN HERE

Acoustic treatments for neighbouring properties

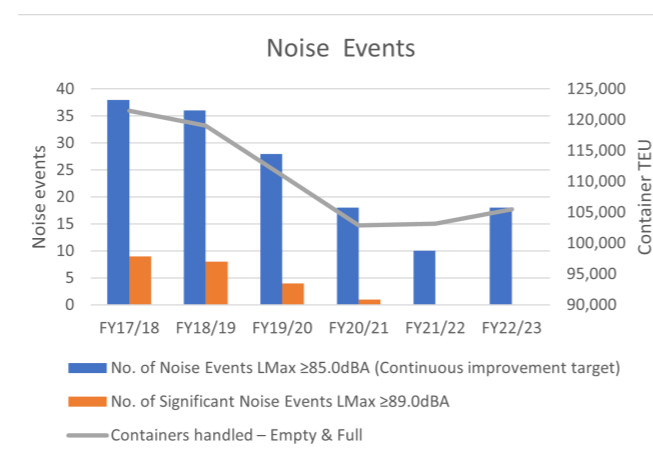
The Port continues to provide financial support for acoustic treatments, in accordance with the Port Nelson Noise Mitigation Plan, for impacted properties identified within the Nelson City Council Port Nelson Noise Contour Map. Six properties have already been provided with noise insulation this year and an Acoustic Completion Certificate has been granted to one of these properties.

To check whether your property is eligible to Port Nelson's subsidy on the acoustic treatments, you can check the latest Noise Contour Map on Port Nelson's website: www.portnelson.co.nz/community/living-near-the-port/. You can also fill in the online form and select "Noise Mitigation Package" for your enquiry.

Noise Statistics (Jul 22 - Jun 23)

Metric	Number
Total number of FY22/23 complaints	194
Number of complaints related to Port activity	169
Complaints from within Port Effects Overlay	64
Container throughput (TEU's)	105k
Vessel Visits (>100GRT)	747
Container operations complaints	29
Log operations complaints	0
Vessel generator complaints	140
Ship's horn & vehicle horn complaints	2
Total Port Related Significant Noise Events* (≥89dBA at the Monitor)	0
Continuous Noise Improvement Target, i.e. Noise Events ≥85dBA	18

From the data recorded throughout the last six years, there is an obvious trend of decreasing number of noise events recorded. There were no significant noise events recorded within the last two financial years.

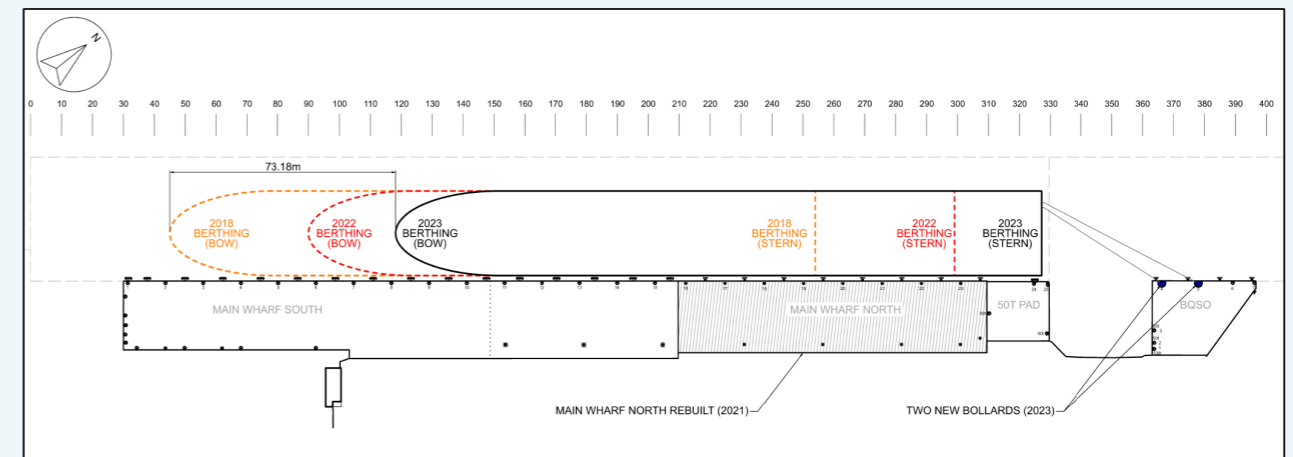


*Significant Noise Event: any port noise exceeded 85dBA LMax at the 65dBA Ldn contour line on the Port Noise Contour Map between 2200hrs and 0700hrs (Nelson Resource Management Plan Ap29.A.2.i c1), equivalent to 89dBA at the noise monitor as it accounts for the distance from the noise monitor to the 65dBA Ldn contour line as it approaches the residential zone. This has been modelled and verified by three different Acoustic Engineers and accepted by NCC.

2023 Highlights

Main Wharf Upgrades and Performance Improvement

PNL extended its Main Wharf in 2021 and installed new bollards in 2023 to assist in vessels being berthed further north and away from Port Hill residents. By comparing the berthing location in 2018 (orange image) to 2023 (black image), vessels have shifted further north by 73m and further from the residents. Vessels used to be berthed closer to the Port's coastal berth (or near to Styx Restaurant), but could now be berthed further away from the port hills residential area, reducing the impact of the port operations on residents.



NEPTUNES – Ship Noise Specification

New Zealand ports and their communities have faced challenges this year relating to increased noise levels emanating from vessel generators. This is due to the low frequency of these generators.

After a successful collaboration between New Zealand ports and shipping lines to find a solution to performance issues relating to vessels, two vessels were ultimately removed from service and replaced with a more efficient service for the region.

A letter signed by New Zealand Port CEOs was sent to shipping lines advising the implementation of a new ship noise specification, signalling to Port communities the Port's commitment to reduce noise.

As part of this commitment, all shipping lines by June 2024 will abide by the New Zealand Vessel Noise Specification based on NEPTUNES guidance and noise label scores. This specification will be enforced for container vessels in service at New Zealand ports.

Vessels will be monitored using a standardised methodology and receive a noise score. A vessel's noise score must meet a threshold to berth in New Zealand.

Vehicle Reverse Alarm System

PNL is replacing the reverse beepers on container handler machines with alternative alarm devices. This new device (squarkers) has a directional sound which sounds louder at the back but can't be heard at the side. These devices are able to detect ambient noise, to generate a louder sound with a noisier background, and a lower sound with a quieter environment. To date 6 units have been installed onto container handlers, with a further 10 to be installed in 2024.

