

Annual Summary of Meeting Minutes

17 March 2021

- Bob agreed to accept nomination for Chairperson for the next two years.
- Residents Rep's tenure is approved to be 5 years.
- Update provided on Draft Contours/Noise Management Plan.
- PNL advised the Ten-Year Noise Report was to be released soon.
- Discussion on the complaints process and the time taken to analyse noise that is under the trigger level. PNL reiterated that the noise monitor records all noises eg ambulances, roadworks etc, not just port noises.
- PNL outline its plans to engage proactively with NCC in addition to the requirements of the NMP. Potential for MWN project to skew both current and future data analysis.
- A Container Noise Trial update was provided, trial scheduling continues to be difficult due to the availability of the Auckland based Acoustic Engineer with COVID restrictions and disrupted shipping timetables.
- PNLC member queried whether PNL would look at a noise monitoring system like Port Chalmers. PNL advised that it would be looking at the Port Chalmers set up together with exploring other emerging technologies.
- PNL presented graphs on noise complaints/ complainants and significant noise events/operational events and gave an overview on why Nelson was a 24hr port (ie tidal), the connection between shipping schedules and how they need to dovetail into other ports, and that Nelson would be omitted from a vessels schedule if it couldn't enter on the appropriate tide.

28 May 2021

- Discussion on the upcoming election for a residents' representative for the committee and the timeframe for voting.
- PNL update on the 2018 Contours and advised that NCC had provided the list of addresses in each Stage, communications to be sent out.
- NRMP Review – Noise Report and PNLC feedback.
- Discussion on a proposed new complaints process, and the paper prepared for the Committee.
- The Container Noise Trial report had not arrived in time for the meeting. Hegley Acoustics to have it in the next few days.
- PNL drafting a six-monthly report to NCC. This was over and above the compliance requirements to provide greater detail than the current monthly reports to NCC.
- PNL update on Main Wharf North, Log Yard Repaving, Stormwater Upgrade, Resilience.

- Draft PNLC minutes to be sent to the committee for earlier comment/approval and once approved, to be put on the website in a timelier manner.
- An update on acoustic reports is underway.

10 September 2021

- Discussion of the NEAG Meeting on August 16 covering crane drivers' performance, soft touch down technology, use of rubber mats, noise monitor location, results from 2 x container noise trials.
- Discussion regarding various possible berthing arrangements at Main Wharf North.
- PNL discussed the key findings of a review for acoustic barriers at Port Nelson prepared by Rhys Hegley, as well as operational considerations and a trial of pre-marshalled full containers in a layout adjacent to Main Wharf South near the fuel manifold.
- PNL update on MWN, the Log Yard repaving, Science & Technology Precinct, and Nelson Slipway projects.
- PNLC to hold trial drop-in style sessions with Resident's Reps for the community.
- PNL update on six Stage 3 acoustic reports that were being prepared.

1 December 2021

- PNLC member presented a paper on Leq (15min) and its usefulness for identifying and mitigating port noise. Discussion on feasibility and practicality of reporting Leq (15min) due to distortion by non-port noise and large quantity of data. PNLC to investigate use of Leq (15min) with acoustic specialist and as part of the wider monitoring system redesign.
- PNL provided an up-date on visit to Port Chalmers to investigate a new noise monitoring system which includes monitors in the community and a noise learning algorithm that can distinguish non-port noise from port noise.
- PNL provided an overview of operations on Main Wharf. Where possible the containers are loaded from the north end of the vessels, however many vessels are long and still extend to the south part of the wharf.
- Acoustic barriers and tyres trials methodology has been developed and is scheduled for the next year.
- PNL continues working with NCC on noise issues in the context of NRMP amendment. A new voluntary six-monthly report has been prepared for the NCC.
- Update on current projects, noise complaints, events and acoustic treatment (17 properties lined up for 2022).

PORT NELSON

Annual Newsletter 2021

Port Noise Liaison Committee (PNLC)

Chairman Bob Dickinson wraps up the year



"It has been another busy year for the Noise Liaison Committee, with a lot of attention given to port noise by both residents and Port Nelson. I would like to thank Kelly Leonard and Bruce Robertson, for their work over the years. Both left the team during the year to pursue other opportunities. We welcomed Peter Moffatt to the

committee and had encouraging meetings with Nelson City Council regarding noise management measures in the Nelson Plan.

The highlight of the year was the completion of Main Wharf North, which moved main wharf container operations further away from residential neighbours to help reduce the effects of noise from operations.

I personally enjoyed observing the rubber mat trials for the container operations. While the solution needs further investigation, we have certainly learned more about how the noise is generated.

I am looking forward to the next year with new members on board, conducting new noise trials, and investigating noise reduction technology to help reduce the impact of noise on our community.

I would like to wish the community and Port a Merry Christmas and a happy New Year."

Bob Dickinson

Bob Dickinson

Port Nelson Noise Liaison Committee

The PNLC comprises seven members being three Port Hills Residents elected by the community, three appointed by Port Nelson Ltd, and an Independent Chairman. The PNLC meets at least 4 times per year and its role is to oversee the implementation of the Port Nelson Noise Mitigation Plan and to ensure that Port Nelson is aware of the noise concerns of its neighbours and are taking steps to minimise and mitigate future Port Noise.

The PNLC met five times over this calendar year. The full minutes from the meetings can be found on the Port Nelson website and a summary of the meeting minutes is on page four.

Community representatives contact details

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

Peter Moffatt
peter.moffatt@xtra.co.nz
021 547 953

Robert Styles
Robert@thelegalhouse.co.nz
021 446 106

Bruce Robertson resigned this year. Thank you for all your help over the years Bruce! Robert Styles' five year tenure has come to an end in November but PNLC are pleased to confirm that he will stand for re-election in the New Year. We will be calling for further nominations in January with a view to elect two community representatives by March.

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

PORT NELSON

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General News

Introducing New Residents Representative — Peter Moffatt.

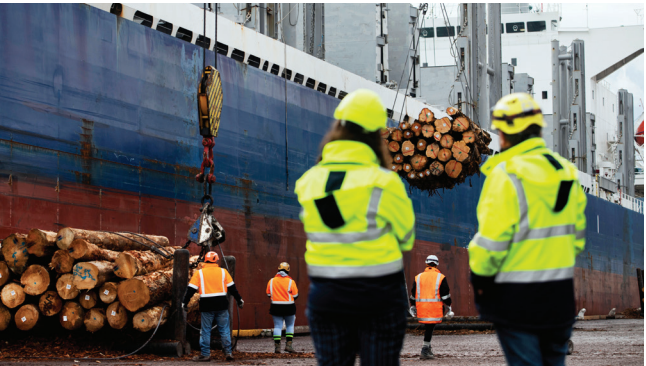
Peter lives in The Quay Apartments on Wakefield Quay where he is Chairperson of the Body Corporate Committee. He moved there five years ago with his wife Sandra after leaving their family home on the Tahuna hillside.

"I have a keen sense of what a wonderful place Nelson is, and how lucky we are to live here," he says.

Peter started his working life as a school teacher, but then joined his wife's family manufacturing and retail business. He pioneered and was managing director of flower exporting company Kiwi Orchids NZ Ltd, producing new varieties and selling them around the world from their home base in Nelson. Now in retirement, Peter enjoys photography and writes children's books, including two inspired by vessels visiting our Port! Peter is hoping to contribute to PNLC work on behalf of the Port's residential neighbours, while at the same time recognising the need for a successful commercial port.

Environmental Team has grown

Following the departure of the Port's long-term serving Environmental Officer - Kelly Leonard, the Port welcomes a new Environmental Manager, Marta Karlik-Neale, and a new Environmental Officer Kim Lui. Kim has eight years' experience of dealing with noise issues at construction sites in Hong Kong. He recently completed a Post-graduate Diploma in Environmental Management at Lincoln and is looking forward to enjoying the beautiful outdoors Nelson has to offer. Marta has just brought her family back to Nelson-based grandparents after a few years overseas. She has 20 years experience working in Wellington as an environmental consultant with the likes of Meridian Energy, KiwiRail, NZ Post, and Air New Zealand.



Main Wharf North Redevelopment

The Port's Main Wharf North upgrade celebrated its completion in July 2021.

The \$20 million dollar investment resulted in redeveloping the northern section of the main wharf increasing the Port's earthquake resilience, moving main wharf container operations further away from residential neighbours, and future-proofing the Port to accommodate larger vessels.

Allanagh Rivers, General Manager, Environment and Infrastructure, comments on the long-lasting benefits for the region by future-proofing the Port's infrastructure, "the Port touches around 25 to 30 percent of the regional economy. These jobs attract and keep people in the Nelson-Tasman-Marlborough region and support a growing and vibrant community that has access to the resources it needs to thrive, including creating growth opportunities for our customers."

The project works created an additional footprint of usable wharf, meaning ships can be berthed further north from residential properties. "The Port is committed to being a good neighbour and this redevelopment as well as other mitigation plans including noise trials, operational training, and noise reduction technology, will help mitigate and reduce the effects of noise generated from Port operations."

The Port and PNLC would like to thank the community for their patience throughout the project's construction.

Rubber mat trial

In April this year, Port Nelson tested a new idea suggested by PNLC members, to use rubber mats to reduce noise from container movements. The Port compared noise generated by the containers placed on bare surface versus four different types of rubber mats. The difference in noise generated was minimal. This is disappointing, however next year the Port will repeat the trial using rubber tyres instead. Another benefit of conducting the trial was that it allowed the Port to observe how noise is generated during the container handling. The Port discovered that the most significant source of noise was not the container hitting the ground but rather the clicks and clangs associated with lifting them. This gives the Port a great insight into further investigation.

2020/2021 Noise Statistics

There have been more complaints this year overall, reflecting a busy year with construction activities on site. However, for the first time in 9 years, the Port had no significant noise events which are measured at >89db at our noise monitor at night.

Metric	NUMBER
Total number of FY20/21 complaints	71
Number of complaints related to Port activity	48
Total number of complainants	26
Complaints from within Port Effects Overlay	32
Container throughput (TEU's)	103k
Vessel Visits (>100GRT)	781
Container operations complaints	52
Log operations complaints	4
Vessel generator and ships horns complaints	4
Wharf upgrade construction complaints	5
Alarm Complaints – not related to the port	5
Unknown source complaints	1
Total significant noise events	1
Significant noise events from operations	0
Significant noise events from ships horns (navigational safety feature)	1

Acoustic treatments for neighbouring properties

The Port continues to provide acoustic treatments for impacted properties in accordance with the Port Nelson Noise Mitigation Plan. Two properties were already provided with noise insulation this year and a further seventeen are starting their planning process. The Noise Contour Map, which indicates which properties are impacted and what support the Port provides for them, has been ratified by Nelson City Council in April this year. Some properties have moved between different contour stages and now have access to a different mitigation package. Those who would like to access their package based on the previous map, can apply (pnlc@portnelson.co.nz) for their mitigation works until April 2022. The new map is available on Port Nelson's website: www.portnelson.co.nz/community/living-near-the-port/.

There are both increases and decreases in the new 2018 noise contours, but the overall number of properties within the Port Effects Overlay boundaries has increased by 33 to a total of 305 properties.

2022 focus

Key noise reduction projects planned for the next year are focused on monitoring, trialling, and investigating physical changes to Port Nelson's processes and equipment. The Port's General Manager, Environment and Infrastructure, Allanagh Rivers visited Port Otago to learn about their noise triangulation equipment. This will feed into a wider review of the Port's monitoring processes. There are also two trials planned for the next year – rubber tyre insulation for the container handling area and a noise barrier trial developed based on experiences from the Napier Port.

Quite a few complaints were related to engine noise on Holcim Buffalo vessel. The good news is that the final attenuation of the compressor room is currently being manufactured and will be installed in early January 2022. The Port will continue to look for proximity sensors and slow-motion technology on the cranes to augment soft-touch sensors already installed on Crane 2 and 4.