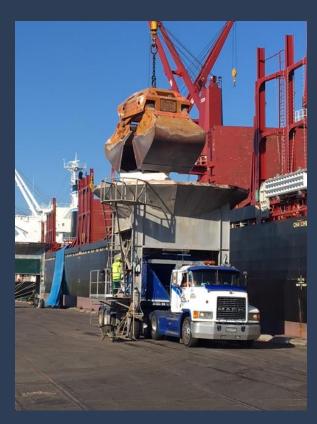


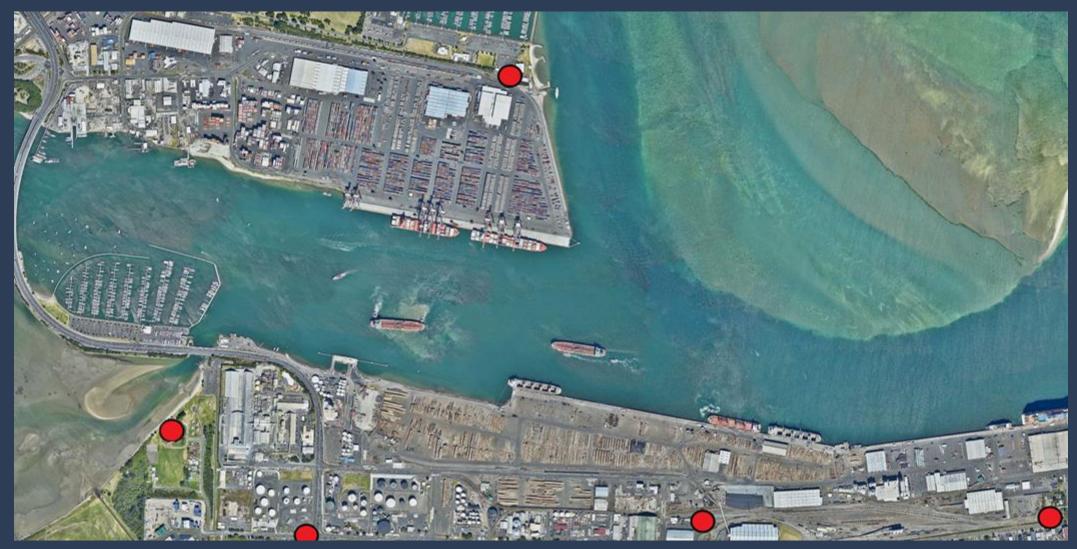
# Background – Port activities







# **BOPRC Particulate Matter/Dust Monitoring**

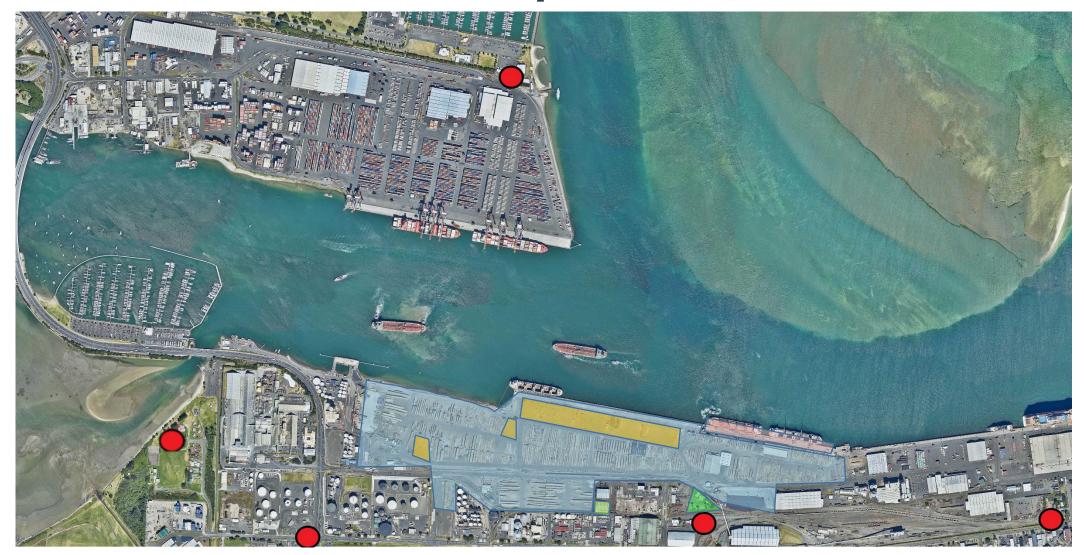




# Assessment against NESAQ PM<sub>10</sub> (inhalable dust)

Contaminant	Threshold concentration	Number of exceedances allowed
Carbon monoxide	10 milligrams per cubic metre expressed as a running 8- hour mean	1 in a 12-month period
Nitrogen dioxide	200 micrograms per cubic metre expressed as a 1-hour mean	9 in a 12-month period
Ozone	150 micrograms per cubic metre expressed as a 1-hour	None
$\mathrm{PM}_{10}$	50 micrograms per cubic metre expressed as a 24-hour mean	1 in a 12-month period
Sulphur dioxide	350 micrograms per cubic metre expressed as a 1-hour mean	9 in a 12-month period
	570 micrograms per cubic metre expressed as a 1-hour mean	None

# Identified/confirmed potential sources





#### Identified how the dust enters the air







### Identified mitigation options

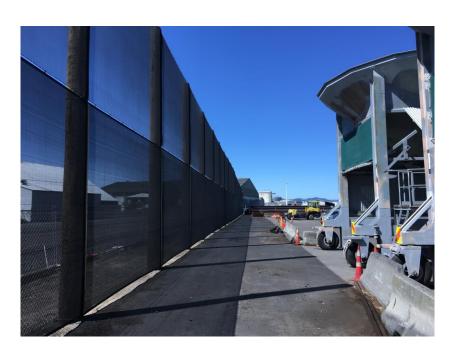
- Structural / built controls
- Behavioural / procedural controls
- Mitigation that utilises both structural and behavioural controls



# **Dust Mitigation – Structural Controls**





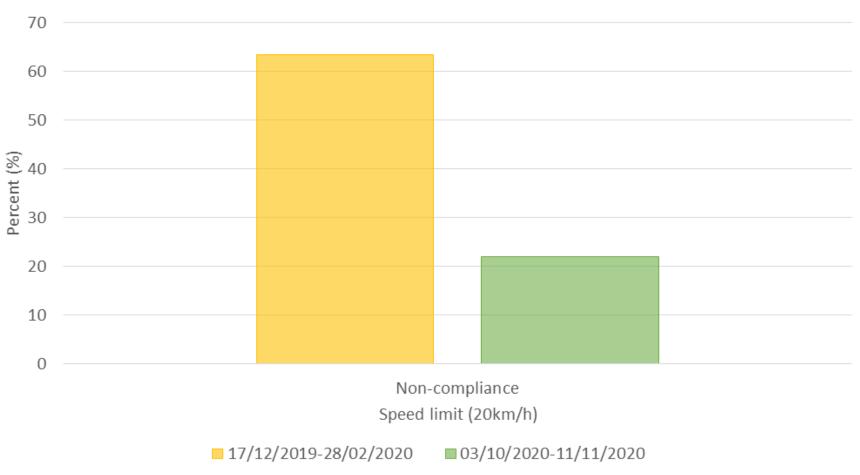




## **Dust Mitigation – Behavioral Controls**



## **Dust Mitigation – Behavioral Controls**





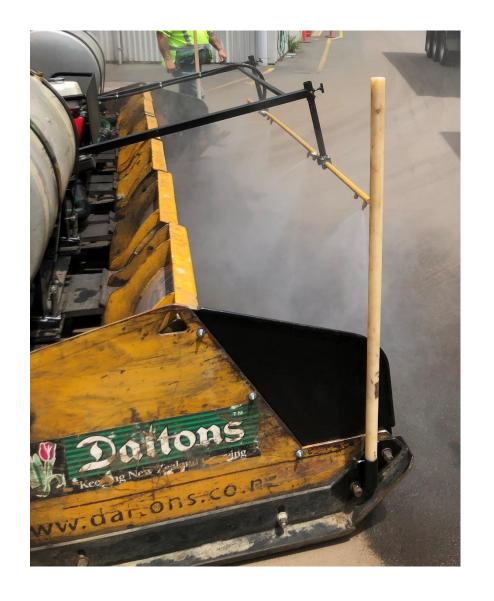
# **Dust Mitigation – Working in Dusty Areas**





# **Dust Mitigation – Working in Dusty Areas**



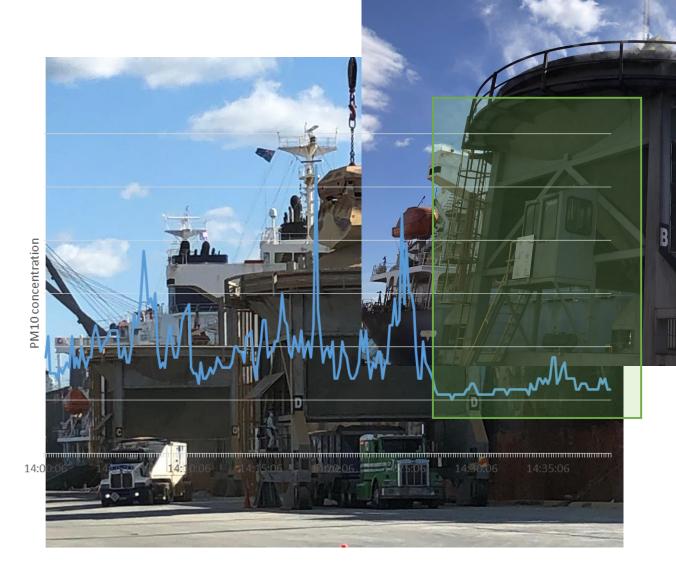




## **Dust Mitigation – Changes in Log Handling**



# Dust Mitigation – Bulk Cargo Handling





#### Results



# **Next steps**



