

Neptune Terminals has been part of the North Shore community for over 45 years. We are driven by our commitment to safe, environmentally responsible operations, continuous improvement and consideration for our neighbours.

DUST SUPPRESSION UPGRADE

As part of our commitment to continuous improvement at Neptune Terminals, we have applied to the Vancouver Fraser Port Authority for a project permit to replace and upgrade the current water spray pole system which is used for dust suppression around our steelmaking coal stockpile.

One of the most effective ways to minimize the potential for dust is to keep the coal damp. The water creates a layer on the outside of the coal, keeping it in place. Our site currently has a series of 12 spray poles, which are strategically located to create a water curtain around the coal storage area. We also use a water spray truck around the perimeter of the facility.

The proposed upgrade would provide best-in-class proven technology for minimizing any potential coal dust from leaving the site. It involves replacing 10 existing wooden poles with 13 new steel poles as follows:

- 5 larger spray poles to further protect the site from offshore and onshore winds from the inlet (43.9 m)
- 8 spray poles the same height as the existing poles (24 m)
- Each of the new poles will have one yard spray – like an oscillating lawn sprinkler – mounted on it, for a total of 13

This upgrade would improve the functionality of the on-site spraying system and would mean:



Rendering of the new spray pole system from above Cloverly tennis courts.

- More spray nozzles that produce a finer mist for improved coverage of the stockpile
- Spray poles in better locations for protecting against high winds
- Full automation to reduce water use – particularly in summer months – and increased responsiveness to changing weather conditions

It is anticipated once a project permit is received that the upgrades will be done in phases, and could take up to three years to complete. There will be no impact on neighbours from construction. Consistent with past projects, we will ensure construction notices are posted on our website and distributed via email.



COMMENTS?

As part of the project permit review, we are collecting feedback from the community on this proposal. Please provide any feedback to Lisa Dooling, Director of Community & Stakeholder Engagement, Neptune Terminals at ldooling@neptuneterminals.com by Friday, March 17, 2017.

LEARN ABOUT THE VANCOUVER FRASER PORT AUTHORITY'S REVIEW OF THIS PROJECT

Visit their project webpage www.portvancouver.com/development-and-permits/status-of-applications/neptune-terminals-dust-suppression-upgrade/.

If you have any comments or questions for the port authority contact Patrick Coates, Senior Planner, at patrick.coates@portvancouver.com.

RECENT TERMINAL IMPROVEMENTS

We are continually upgrading our terminal infrastructure and equipment and enhancing our environmental protection measures.

We are proud that our environmental performance meets or exceeds compliance with standards set by the Port of Vancouver, the BC Ministry of Environment, Metro Vancouver and other regulators.

In the last five years, we have added:

- 1 Electric indexer** – used to move steelmaking coal railcars on our rail tracks. This electric equipment creates zero emissions.
- 2 Hybrid locomotives** – three ultra low-emission, low-noise locomotives that work like hybrid vehicles, using 25 per cent less fuel as they move potash railcars at our terminal.
- 3 Stacker reclaimer** – features controlled flow chutes and a built-in spray system to keep coal damp, both of which reduce dust as the coal is added and removed from our stockpile.
- 4 Conveyor systems** – upgraded with special controlled flow chutes that minimize product disturbance and potential dust through natural contour shaping.



BEING A GOOD NEIGHBOUR

Keeping the products we handle on our site is a big part of being a good and responsible neighbour. That's why we work hard to keep the steelmaking coal, potash and phosphate rock being transported through Neptune Terminals where they belong – on the terminal.

THIRD PARTY ENVIRONMENTAL CERTIFICATION

Neptune is certified by Green Marine and Climate Smart, two independent organizations that help us measure our environmental performance and identify ways in which we can continuously improve to reduce our footprint and exceed regulatory requirements.

To review our Report Card results or learn more about Green Marine, visit green-marine.org.

For more info on our Climate Smart certification and our commitment to environmental protection visit neptuneterminals.com/safety-and-the-environment/.



ABOUT NEPTUNE TERMINALS

Operating in North Vancouver since 1970, Neptune Terminals handles Canadian goods that help feed people and build communities around the world. Our terminal handles Canadian steelmaking coal, Canadian potash and imported phosphate rock. The latter two materials are used in the production of fertilizer.

Looking for more information on Neptune? Have a question?

E: community_questions@neptuneterminals.com
T: 604.983.7935

Neptune
TERMINALS