



Neptune Terminals is committed to keeping the local community informed about events and activities at our terminal. In addition to the improvements announced in April 2012, Neptune is pleased that we are now able to move forward and apply to Port Metro Vancouver for a permit to make improvements to our steelmaking coal handling operations. These upgrades include a second railcar dumper, new conveyors to unload steelmaking coal from trains, replacing one mobile shiploader at Berth One, and adding additional rail track. These changes will be within Neptune's existing footprint.

Port Metro Vancouver conducts a comprehensive project review process. Details on Port Metro Vancouver's review process can be found at www.portvancouver.com/projectreview

Neptune Terminals

Located just west of the Iron Workers' Memorial Bridge within Port Metro Vancouver, Neptune Terminals handles potash, steelmaking coal, bulk vegetable oils, fertilizers and agricultural products shipped to markets around the world. As announced in April 2012, Neptune is also upgrading its terminal equipment to enable the handling of imported phosphate rock.

We are continually upgrading our terminal infrastructure as part of an ongoing commitment to improve the efficiency of our operations, enhance our product handling equipment, and meet our customers' needs.

More specifically, these improvements will allow us to upgrade much of the original terminal equipment with the best available proven technology for terminal environmental management, in addition to creating new jobs and providing new municipal tax revenues for the City of North Vancouver.

By 2013, terminal investments will total over \$400 million and will create an estimated 185 new jobs for our community. The projects will also help Neptune continue to support important community services and programs that benefit all local residents.

New activities

In addition to the phosphate rock handling system upgrades, Neptune is proposing further upgrades to our steelmaking coal system, including:

- A second railcar dumper, similar to the existing steelmaking coal railcar dumper for unloading steelmaking coal from trains. The dumper will be enclosed in a shed and will use automated electric railcar positioning equipment. It will be approximately 12 metres high and will be located on the inbound rail track at the northeast corner of the terminal.
- Conveyors will also be installed to transport the steelmaking coal from the second railcar dumper to the storage area.
- A new section of rail track will be added inside of the existing rail loop on the west side of our site to better accommodate trains on the terminal without splitting or shunting.
- Replacement of a shiploader and foundation reinforcement at Berth One. The new, longer boom will allow ships to be loaded without needing to be moved during loading.

Combined, these improvement projects will increase our terminal capacity by six million metric tonnes (MT), resulting in approximately one additional train per day and one ship per week.

Long-term commitment to responsible operations

Neptune has been operating on North Vancouver's waterfront for over 40 years and we are committed to continuing to operate responsibly for many decades to come. These terminal improvements will allow us to upgrade much of the original terminal equipment, incorporating the best available proven technology for terminal environmental management.

In early 2012, Neptune became the first terminal on Canada's West Coast to join the Green Marine Environmental Program. This means Neptune will be sharing our environmental management practices and expertise as well as learning new ways to continue to improve our environmental systems.

The improvements we are making also drive growth for Canada's Gateway, supporting the countless communities across Western Canada that rely on our terminal to deliver their products to global markets.



Neptune's automated electric indexer is used for positioning railcars, as an alternative to locomotives.

Terminal improvements include:

2009	A new surge bin used to manage the loading of potash onto ships, a new potash railcar dumper, upgrades to our potash berth and conveyors, and additional rail track to manage longer trains.
2009 – 2011	Three ultra-low emission, low noise N-ViroMotive engines used to move potash railcars around the terminal. Because of the design of our terminal, with a full loop track, we have almost eliminated the need for railcar shunting, which significantly reduces the noise from trains at our terminal.
2010	Automated electric railcar indexer for positioning railcars with our existing steelmaking coal railcar dumper.
2010 – 2013	Rail track optimization to facilitate the movement of longer trains on the terminal and minimize the need to separate and shunt railcars.
2011 – 2013	A new steelmaking coal stacker reclaimers to allow us to more quickly move the steelmaking coal from our terminal onto the ships. This mobile equipment is currently being built in Sidney, BC.
2012	Power system upgrade to improve power service delivery and reliability for the terminal.
2012 – 2013	A new storage facility for phosphate rock, replacing the original silos that were built when Neptune first opened in the mid-1960s, new equipment to transfer phosphate rock from the ships to the storage shed and onto trains and redesign of rail operations to accommodate the trains that will carry phosphate rock (<i>proposed</i>).
2013 – 2015	Upgrades to the steelmaking coal handling system as described above (<i>proposed</i>).



An aerial view of Neptune's site showing the planned new conveyors, second railcar dumper, additional rail track and replacement shiploader.

What it means for the community

Being a responsible community member means operating our terminal to minimize impacts on our neighbours. We believe the proposed improvements will mean very little change outside of our terminal, and we are determined to keep it that way.

Air Quality: The new equipment will use the best proven environmental technology for dust containment. Similar to our existing dumper, the second dumper will be fully enclosed to keep the steelmaking coal within the shed as the product is unloaded from the trains. We will be applying to amend our existing air quality permit to include these new product transfer points.

Water: The new equipment will use our existing water management systems, which have been built to the latest environmental standards.

Noise: As has always been the case, Neptune's continuous loop track allows us to accept full length trains onto our terminal, reducing noise by virtually eliminating the need for railcar shunting. As train length grows, the additional rail track means we can continue to accommodate these full length trains. We also benefit from a direct link from the rail bridge with no at-grade rail crossings – and related whistles.

Construction: During construction, there will be contractor activity on our terminal, similar to the activity we have on our terminal today. We will share specific information on the construction activity as it is available.

As has been our practice in the past and will continue to be our approach moving forward, we are committed to sharing terminal information with the community, to operating Neptune to the highest standards possible, and using the best available proven technology in all our operations.

Timelines and next steps

This project is currently in the planning and design stage. These upgrades are being designed to ensure they are built in line with Neptune's commitment to operate to the highest standards possible, while also reflecting the company's values and those of the community for responsible operations.

We will be sure to keep you informed on this process as we move forward. For more information, please visit www.neptuneterminals.com.

June – Sept 2012

Project Planning,
Design & Permitting

March 2013

Construction
Begins

Spring 2015

Project Completion



For more information

Neptune is committed to sharing information with the community as the upgrades proceed. Project information and updates are available on our website – www.neptuneterminals.com.

We invite the community to visit our terminal for a tour to see first-hand the changes we have planned. Tours will take place at 3pm on July 4, 6, 11 and 13. To register, call 604.983.4407. (Note: Maximum 20 people per tour).

For project information, please contact:

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