



Sulphur moving through the PCT facility. Motor mutes are used to ensure quiet operation.

Environmental Solutions at PCT

It's easy to become distracted by the mountainous piles of bright yellow sulphur at Pacific Coast Terminals Co. Ltd. (PCT). However, a closer look at the facility will show that the terminal is quieter, cleaner, and greener than ever before.

Highlighted in this issue are a few of the changes that PCT has undertaken to maintain its high standard for environmental stewardship. PCT may be a world-class export terminal doing business on the international front, but it always takes an active interest in the Port Moody community, and keeping its environment flourishing is a top priority.

In the 1980s, PCT made important strategic decisions to replace the majority of its diesel-powered equipment with state-of-the-art **electric-powered solutions**. The emission-free Stakrake replaced a fleet of front end loaders and an automated indexer replaced a fleet of diesel-powered pushers for moving railcars through the site. A dust suppression



PCT employees participate in the Annual Shoreline Clean-Up, sponsored by the Vancouver Aquarium.

system, including a wet scrubber and water sprays, was also installed to reduce overall dust emissions.

As Port Moody grew, and more people took up residence near the terminal, PCT made an effort to **operate more quietly within the Port Moody community**. Eliminating diesel powered machinery and switching to an automated indexer allowed railcars to be moved much more smoothly and quietly through the site. In later years, a muffler was added to the scrubber discharge stack and motor mutes were added to some of the electric motors to ensure they operated more quietly.

In the late 1990s, PCT built a new shiploader. After its construction, PCT actively **beautified the shoreline** by removing the old shiploader, removing sulphur and coal from the foreshore area, and completely reconstructing the foreshore slope with new, clean angular rock.

Continued on page 3

City of Port Moody 2004 Environmental Award

As the summer heats up, water shortages often become a concern, particularly in a growing region like Port Moody. While residential water demands have increased, Port Moody's largest industry, PCT, has made a dent in industrial consumption by developing

an award-winning water recycling system.

On July 21st, the City of Port Moody recognized PCT's water recycling system when City Councillor Bob Elliott presented PCT with the prestigious 2004 environmental award.



PCT receives 2004 Environmental Award from the City of Port Moody (Left to Right: Ken Catton, Vice-President and General Manager, PCT; Bob Elliott, Councillor, City of Port Moody; Kent Smith, Manager, Maintenance and Engineering, PCT).

Thanks to the water recycling system, PCT has reduced the amount of water it discharges to the Port Moody sewer system by more than 50 per cent and reduced PCT's water consumption by more than 60 per cent each year. This frees up drinking water for more than 2,500 Port Moody residents, and leaves enough space in regional sewer systems and wastewater treatment plants for more than 1,000 households.

PCT's water recycling system works by redistributing rainwater that has collected on the site to the various areas of the facility requiring water for dust suppression and clean-up. Rainwater is collected through a network of pumps and ponds where it is treated, stored in tanks, and then pumped into a new distribution piping system for reuse on the PCT site.

PCT's water recycling system takes a progressive approach to the ongoing issue of water conservation, and directly benefits the local residents of Port Moody. 



Did you know

PCT and the Port of Vancouver

- PCT is just one of 25 marine terminals that make up "The Port of Vancouver".
- PCT is one of two sulphur terminals in the Port of Vancouver; the other sulphur terminal is Vancouver Wharves in North Vancouver.
- The Port of Vancouver is the largest port in Canada and
- the most diversified port in North America.
- The Port of Vancouver is large by world standards. In North America, the Port of Vancouver ranks number one in total foreign exports. On the West Coast of North America, the Port of Vancouver ranks number one in total cargo volume.
- The Port of Vancouver, including PCT, is ISPS (International Ship and Port Security) compliant, meaning that it meets or exceeds international security standards.
- Like an airport, all passengers and baggage are screened before loading. The Port screens containers using advanced gamma ray screening equipment.

Q and A

with
Kent Smith



What do you do at PCT?

As a Manager of Engineering & Maintenance, I am responsible for managing new capital construction, terminal maintenance and environmental matters.

What sorts of projects have you been involved in?

Over the years I have been involved with installing noise reduction equipment, upgrades to water treatment systems, implementation of water recycling, clean-up of the foreshore, soil remediation and dust suppression systems to name a few.

What sorts of environmental projects are underway?

This year we are building a new Wastewater Lift Station and Screening Facility and a New Caustic Addition System at the new Primary Treatment Pond. This work will improve the quality of our wastewater, improve the way we recover sulphur from clean-up activities and will modernize the layout of our settling ponds.

Why does PCT engage in these activities?

PCT is made up of people who have the same kind of philosophy as most;

we want to live in a clean, healthy environment, working for a progressive company that cares about its impact on the community. We are the "Port" in Port Moody and we want our neighbours to be proud of us and support us.

Where do you see PCT headed?

I see PCT continuing on its path of constant improvement to be the best sulphur handling terminal in the world. I see the terminal becoming more and more efficient in handling our cargoes as well as maintaining our environmental record. We plan to be here for a long time, and we will continue to improve and modernize the terminal.

What are you most proud of?

Most of the things PCT has done over the years to improve our operation have also resulted in reduction to environmental impact. When you look back at terminal modernization in the 80's and 90's you see how important and cutting edge those improvements were. Elimination of diesel mobile equipment to handle the sulphur was done before Kyoto made it trendy. 

Environmental Solutions at PCT

Continued from page 1

In 1999, PCT expanded its capabilities for handling ethylene glycol. As PCT constructed the new facility, they **removed and disposed of more than 20,000 cubic metres of contaminated soil**. Soil containing sulphur and wood waste from sawmill operations that previously occupied PCT's property was transported off-site for treatment and recycling.

Future plans at PCT include **increasing biodiversity** by building a lush habitat along Schoolhouse Creek. PCT will plant native vegetation beside the creek, providing shelter and nutrients to foster wildlife growth. Besides improving the creek estuary, PCT will continue to maintain its saltwater marsh providing an important habitat for rearing juvenile salmon and other wildlife. 

Welcome Iain Black!

PCT would like to welcome one of Port Moody's newest leaders in the community. Iain Black of the BC Liberal Party was recently elected as Port Moody-Westwood's Member of the Legislative Assembly. Congratulations Iain!

"We are the 'Port' in Port Moody"

The Port's City Scene



PCT was proud to co-sponsor the Fingerling Festival this spring. Below, City Manager Gaetan Royer and wife Zoe Royer enjoy the festival.



Fingerling Festival – PCT and the City of Port Moody co-sponsored the Port Moody Ecological Society's Fingerling Festival on Saturday, May 7, 2005. 35,000 Chum fry were released into the Noons Creek. With crafts, food, face painting and games, it was an event to remember.

Golden Spike Days Festival – Port Moody residents enjoyed three days of family events and first class entertainment

at this year's Golden Spike Days Festival. Held over the July 1st long weekend in Rocky Point Park, the festival was a hit for young and old. PCT proudly sponsored the community festival.

Links to Literacy – PCT is pleased to sponsor the "Links to Literacy" Golf Tournament. Proceeds from this year's tournament will be directed to the Port Moody Foundation's Library Legacy Fund, designed to provide ongoing financial support for the library's future growth. The tournament will take place on Tuesday, August 30, 2005 beginning at 1:00 pm at Meadow Gardens Golf Club. Entry fees are \$125, which includes complimentary driving range access and a banquet. (Banquet only tickets are \$35.00) Police Chief Paul Shrive will be the MC. For more information contact Dayna at 604.469.4686.

Scholarships – Jeffery Siow, Etienne O'Toole, and Sibil Chan of Port Moody Secondary School are the recipients of the 2005 Pacific Coast Terminal Scholarships. All three candidates maintain top-notch academic grades. Jeffery is also involved in his school as Webmaster of the Web Team and Senior Captain of the Debate Club. Etienne is a member of the SOAR leadership team, the peer counseling

Contact Information

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At the Fingerling Festival, more than 35,000 Chum Fry were released into the Noons Creek.

club, and recently won first place at the Physics Olympics at UBC. In his spare time he volunteers at the food bank. Sibil is involved in a range of activities, from Grad Committee Co-Chair to Chief Editor of the school newspaper and Ambassador for the Kids Help Phone for the past two years. Congratulations to this new group of ambitious and talented scholarship winners!

Ken Catton & St. Johns Ambulance –

Ken Catton, Vice President and General Manager of PCT, has recently been appointed to the St. John Ambulance branch executive committee. We wish Ken Catton the best of luck in his new volunteer position. 

Your comments and contributions are welcome. Please forward them to: Ken Catton, VP and General Manager or email: pctinfo@pct.ca

www.pct.ca