



British Columbia Maritime Employers Association

# BCMEA BULLETIN: RELIABILITY AND PRODUCTIVITY AT WORK

July 28, 2009

## Environmental Series: Part One - Emissions & Air Quality

Welcome to part one of our environmental series. Future topics will be Government Policies, Ocean Waste, Clean Ship concepts, Global Climate action in our industry and recent news and advancements.

### Emissions while at sea and in port

Although there are dozens of air pollutants currently being tracked inventoried and regulated only a handful are of relevance to marine vessels: Particulate Matter(PM), Ozone(O3), Sulphur Dioxide(SO2) and Green House Gas emissions(GHG).



Despite the media's and the public's opinion, landside emissions from vehicles and other activities constitute the largest portion of GHG emissions in ports around the world.

Transport is the third highest emitter of greenhouse gases behind stationary energy (47.6 per cent) and agriculture (19.2 per cent).

A 2004 joint EPA and Environment Canada study found that ships are the Lower Mainland's largest single source of toxic sulphur oxide emissions. If trends remain constant, ship emissions will

exceed those from cars by 2010.

Together, ships worldwide burned about 217 million metric tons of fuel in 2004, about 5 percent of which was consumed while in port. Because much of that fuel was sulphur-rich diesel, emissions included more than 16 million tons of sulphur dioxide. That gas, plus the various nitrogen oxides, or NOx, gases in the engine exhaust, reacts with moisture in the air to produce acidic rain. Worldwide, ships account for about 11 percent of the acidic rain due to NOx emissions and about 4.5 percent of the acid rain due to sulphur dioxide emissions.

### Air Quality and Shipping

All engines produce PM and NOx when fossil fuel is combusted, and marine engines are no exception. Additionally, marine residual diesel fuel contains sulphur, which converts to oxides of sulphur and is then emitted. As we have already seen, NOx and PM emissions in the Lower Fraser Valley region have been relatively stable, while SO2 has been on the decline.

In 2000, the GVRD and FVRD conducted an emissions inventory of the Lower Fraser Valley Region. An "emission inventory" is an accounting of all sources of air pollution within a defined geographical area, which includes information on the types of emissions, their sources, and the quantity of contaminants emitted within a specific geographical area. According to this inventory, marine

vessels contributed to the regions total NOx emissions by 22%, SOx by 33%, PM10 by 7% and PM2.5 by 12%.

### Alternative Marine Power

Shore power is a highly effective way to reduce marine diesel air emissions by enabling ships to shut down their engines and connect to BC Hydro's electrical grid in order to provide necessary power while docked. AMP or "cold ironing" has been used for naval vessels, Baltic Ferries and cruise ships operating in Alaska. The port of LA was the first port in the world to use AMP technology for in-service container ships starting in 2004.

Depending on the size of the ship, estimates are that AMP will reduce NOx by one ton and take more than half a ton of sulphur oxides (SOx) out of the lower mainland air each day that the ship is at berth and plugged in.

### In this issue:

Environmental Series:	
Part One.....	1
BCMEA in the News.....	2
BCMEA Staff Changes.....	2
Industry Calendar of Events.....	2
Weekly Statistics:	
Dispatch Shortages.....	3
Vancouver Casual Dispatch.....	4
Association Reminders:	
Union Meeting Nights/ Statutory Holiday.....	4
Future BCMEA Meeting Dates.....	4



## BCMEA in the News



**Vancouver Sun**, July 20, 2009

“Vancouver port management, union deny sex discrimination allegations”

**Vancouver Sun**, July 21, 2009

“Port management says longshoring shift issues tied to money, not gender: Union and port officials deny allegations of sexual discrimination”

**Vancouver Sun**, July 22, 2009

“Women face systemic discrimination on Vancouver’s waterfront”

## BCMEA Staff Changes

### Retirements

Linda Hnatiuk, April 30

Sandi Vidulich, July 31

### Maternity Leave

Kristin Schnider, July 31

### Additions

After a brief couple of months away, Theresa Appleby has rejoined the BCMEA in May as one of two Executive Assistants to the President and the Vice Presidents.



Joe Ensom, joins the BCMEA as a Summer Accounting Intern (June to

September) assisting with the payroll transition.

Atul Hans joined WEBC at the beginning of March as a Pension Officer (to replace retiree, Linda Hnatiuk). Previously, he was Pension Analyst/Counselor with the IWA Forest Industry Pension Plan.

Melissa Heitzman is vacating WEBC’s member personal information desk to join Amanda Elliott (recently married) on the management of Disability claims.

Robert Martin joined WEBC at the beginning of July as a Health Benefit Administrator (replacing retiring Sandi Vidulich). Previously, he worked for the Bank of Montreal.

Harmony Poisson joined the BCMEA as an Executive Assistant in June to cover the maternity leave for Kristin Schnider.

## Industry Calendar of Events:

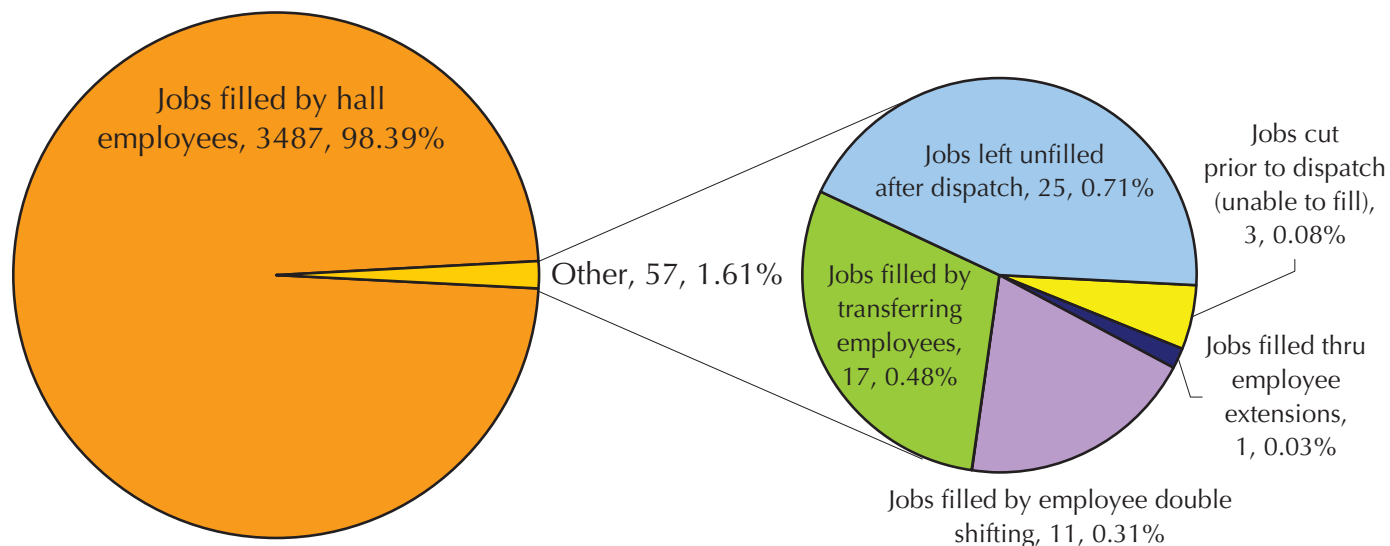
August 13	<b>ILWU Local 514 Children’s Fundraiser Golf Tournament</b> Burnaby Mountain Golf Course, Burnaby, BC
August 13	<b>Vancouver Transportation Club Golf Tournament</b> Greenacres Golf Club, Richmond, BC
August 16	<b>Vancouver Women’s Transportation Club Golf Tournament</b> Mylora Golf Course, Richmond, BC
August 21-23	<b>Richmond Maritime Festival</b> Britannia Shipyard National Historic Site
August 23-26	<b>Association Canadian Port Authorities Annual Conference</b> Prince Rupert, BC
September 10-11	<b>Van Horne Institute’s Norther Transportation Conference</b> Iqaluit, Nunavut
September 15	<b>ILWU Local 500 Golf Tournament</b> Swan-e-Set Bay Resort & Country Club
September 22	<b>Outlook 2020: Shaping BC’s Economic Future Summit Series</b> Hosted by the Business Council of BC, Pan Pacific Hotel, Vancouver
September 23-24	<b>4th Annual Canada Maritime Conference</b> Westin Bayshore Hotel, Vancouver, BC
September 29	<b>World Maritime Day - Theme: Climate Change</b> International Transport Workers’ Federation

# Dispatch Shortage Statistics:

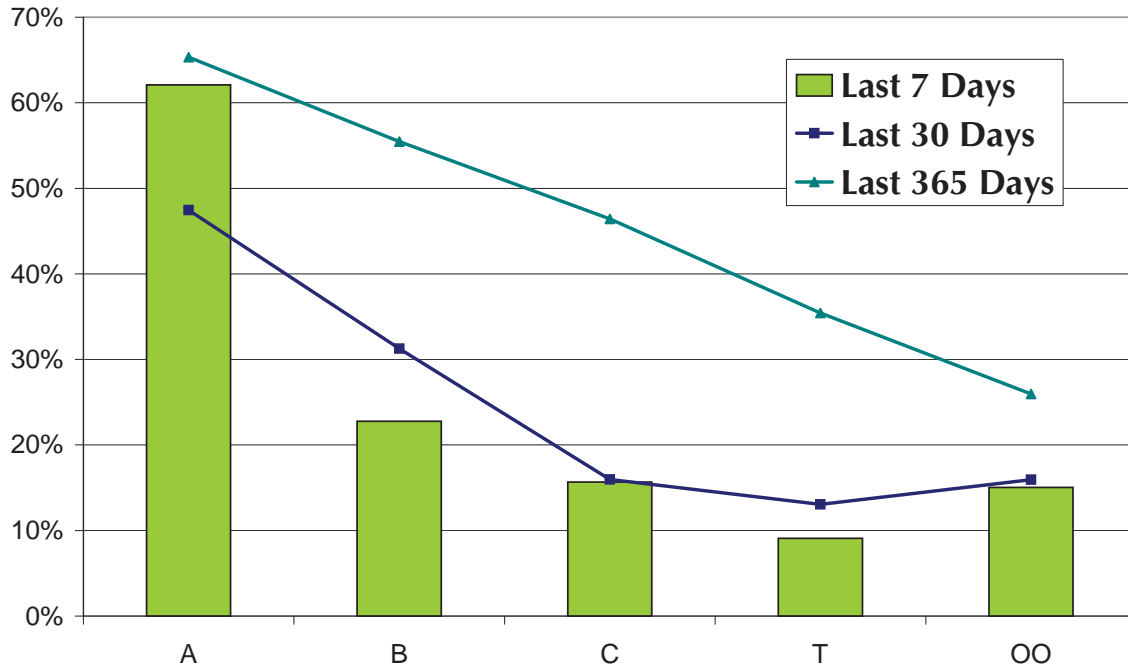
## For the Period Sunday, July 19, 2009 to Saturday, July 25, 2009

Job	Jobs cut prior to dispatch (unable to fill)	Jobs filled thru employee extensions	Jobs filled by employee double shifting	Jobs filled by local 502 employees	Jobs filled by transferring employees	Jobs left unfilled after dispatch	TOTAL
40 TON					1		1
BULK OPERATOR					2		2
CLASS #1 AIR					1		1
DOCK GANTRY					2		2
DRIVER	1						1
ELECTRICIAN			2			15	17
H.D. MECHANIC			1		1	7	9
HEAD CHKR		1			1		2
HT SIGNALS					1		1
LOCIE ENGINEER			1		2		3
MEN	2						2
MILLWRIGHT			6			1	7
PLUMBER						1	1
RAIL PERSON			1				1
SWITCHMAN					2	1	3
TRACKMAN					1		1
WHEAT SPECIALTY					2		2
WINCH DRIVER					1		1
<b>TOTAL</b>	<b>3</b>	<b>1</b>	<b>11</b>		<b>17</b>	<b>25</b>	<b>57</b>

*Explains how shortages were managed by Dispatch*



## Vancouver Casual Employee % Dispatched per Dispatch Board



### ASSOCIATION REMINDERS: Union Meeting Nights - August

The Union Meeting Nights for August 2009 are as follows:

#### Mainland Locals

Vancouver (500) Wed., Aug. 19

New West. (502) Wed., Aug. 19

#### Vancouver Island Local

Chemainus (508) No Meeting

#### Northern Local

Prince Rupert (505) No Meeting

Please be guided by the provisions of Article 15 in the Collective Agreement respecting working restrictions and conditions on Union Meeting Nights.

### Statutory Holiday - B.C. Day Monday, Aug. 3rd

This year, B.C. Day falls on Monday, August 3, 2009. B.C. Day is a "Recognized Holiday" in the Collective Agreement and work may be performed on that day in accordance with the provisions of the Agreement.

### Future BCMEA Meeting Dates:

#### Preliminary 2010 WCB

##### Premium Rates

Wednesday, Jul. 29, 2009

9:30 AM - 11:00 AM

5th Floor Boardroom

349 Railway Street

#### Finance & Audit Committee

Friday, Aug. 21, 2009

9:30 AM - 11:30 AM

5th Floor Boardroom

349 Railway Street

#### Direct Employers Committee

Wednesday, Sept. 16, 2009

9:30 AM - 12:00 PM

5th Floor Boardroom

349 Railway Street

#### Finance & Audit Committee

Friday, Sept. 18, 2009

9:30 AM - 11:30 AM

5th Floor Boardroom

349 Railway Street

#### Board of Directors Meeting

Tuesday, Sept. 29, 2009

9:30 AM - 12:00 PM

5th Floor Boardroom

349 Railway Street

#### Ship Owners Committee

Thursday, Oct. 1, 2009

9:00 AM - 11:00 AM

Terminal City Club

837 West Hastings Street

### Your Feedback:



Have something for the BCMEA Bulletin?

Send your comments or contributions to the Bulletin's Editor at [editor@bcmea.com](mailto:editor@bcmea.com) or (604) 694-2324.