

Fraser Surrey Docks Coal Transfer Facility Update

Resident Association Forum

17 April 2013



NEW WESTMINSTER

Proposal

- Initially 4 million tonnes of coal/year brought by open train cars, up to 8 million tonnes capacity
- One additional train per day (135 cars) by 2014, up to 3 eventually, treated with dust suppressant
- Trains to run on BNSF track through White Rock, South Surrey and Delta, possible route through New Westminster when track problems
- Transferred directly to barges by conveyor to deep sea port on Texada Island
- Outside storage only in “emergency,” up to 120,000 tonnes, 15x/year
- 50 full-time jobs at FSD, 25 at Texada



Regulatory Context

- Regulation of trains and port operations under jurisdiction of federal agencies:
 - Transport Canada
 - Port Metro Vancouver
- PMV has mandate to support Canadian trade through goods movement and feels that their responsibility is to ensure environmentally sound handling of goods within their facilities, cannot reject goods unless they are illegal
- Metro has passed resolution opposing the facility under it's provincially delegated powers to maintain regional air quality

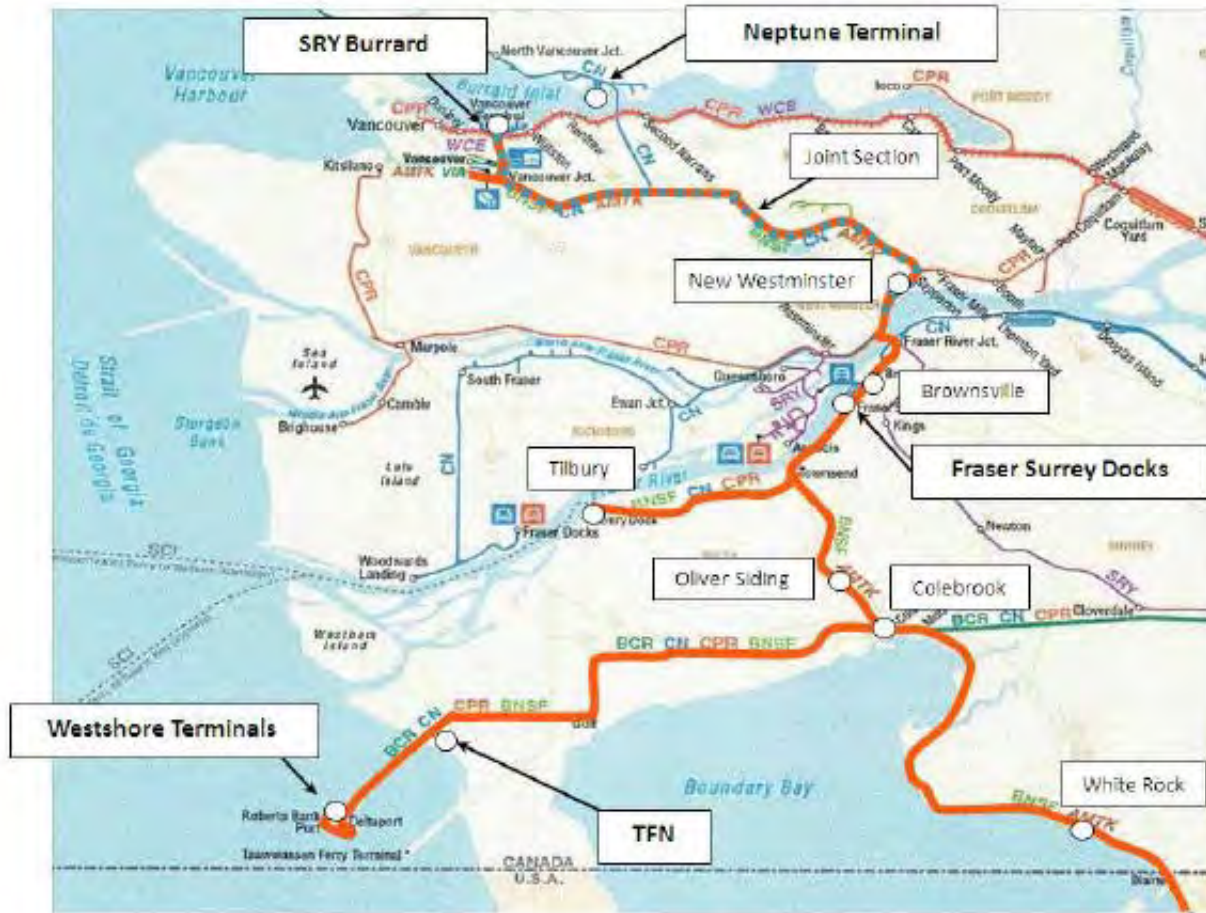


Approval Process

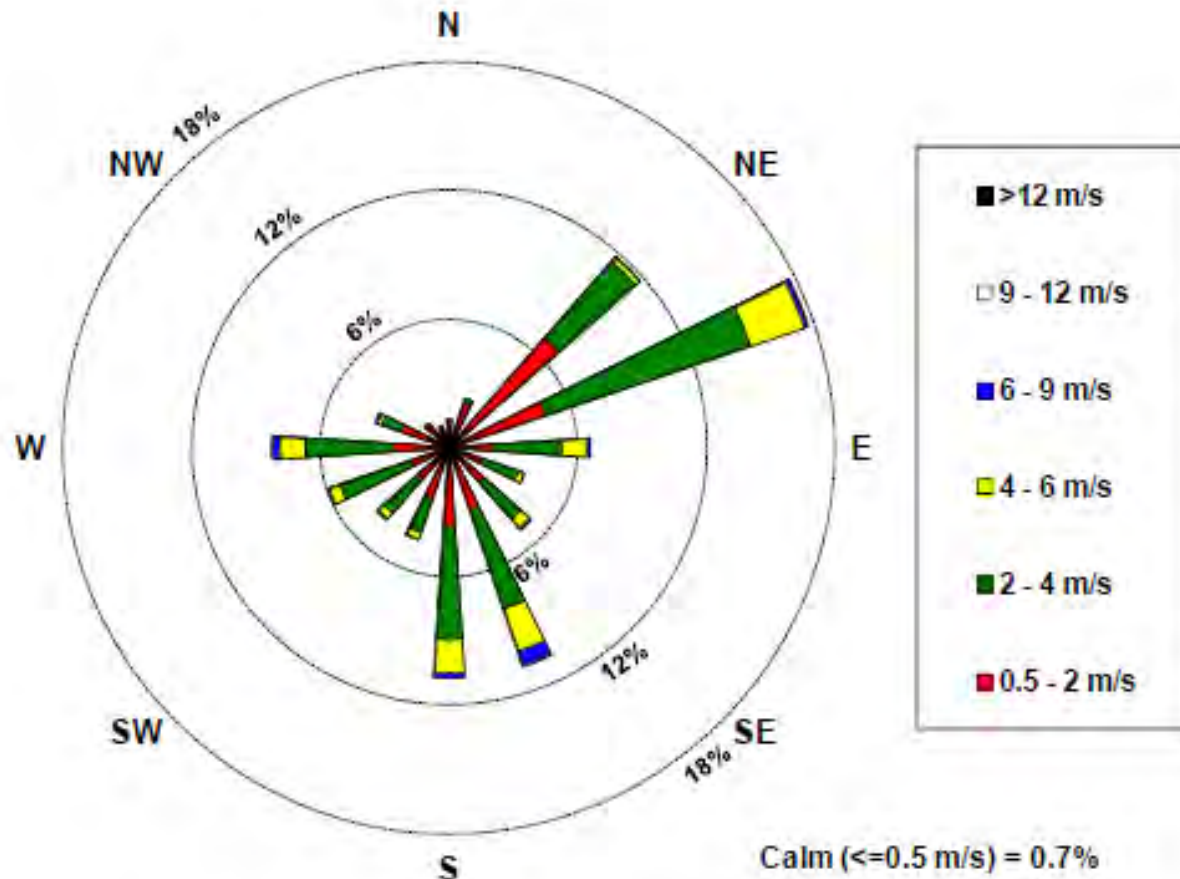
- PMV is the regulator under federal charter
- FSD made application to PMV and was required to complete a number of studies:
 - Environmental management plan
 - Air dispersion modelling
 - Marine risk assessment
 - Fire safety plan
- Info initially sent to nearby residents
- Public engagement broadened later
- Minimal local government jurisdiction



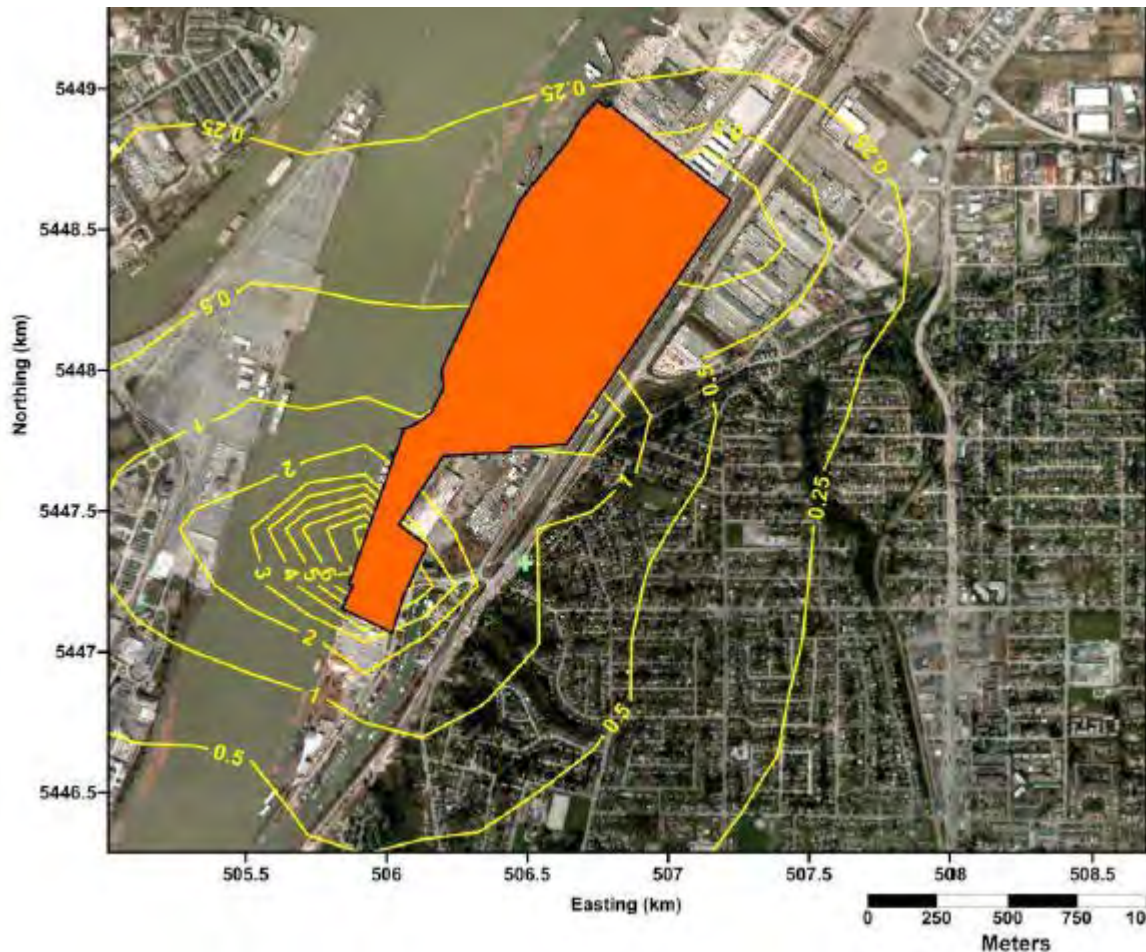
BNSF Lower Mainland Operating Area



2002 - 2011 Wind Rose for Annacis Island



Contour Plot of PM2.5 Maximum 24-hour 98th Percentile Predicted Concentrations



Study conclusions

- “Particulate matter emissions from fugitive dust sources are localized around the facility and predicted air quality impacts are low”
- “Predicted air quality impacts at the residential neighbourhoods in the vicinity of Fraser Surrey Docks are very low.”
- Below federal, provincial and Metro Ambient Air Quality Objectives (AAQO) for new facilities
- Assumes all conditions met:
 - Enclosed facilities (pit and conveyor)
 - Dust control devices on shipment, transfers
 - Limited outdoor storage



City/Resident Concerns

- Health and property impacts of dust
- Visual intrusion (external storage/lights)
- Noise and vibration
- Soil and water contamination
- Emergency management
 - Prevailing winds in case of fire
 - 2.5 km trains blocking roads in case of a reroute through New Westminster
- Global GHG emissions (up to 48Mtonnes)
- Lack of direct public consultation



City Actions to date

- Reviewed proposal, identified potential impacts on the City and GHG impacts
- Consultation with staff from other munis
- Staff met with PMV's Director of Planning and staff from PMV and FSD
- Prepared a report for Council review
- City issues forwarded to proponents and process stakeholders, incl. Surrey/Delta
- Sent info and connected FSD community relations with concerned RAs



Council Resolution

THAT staff convey the City's and community's concerns regarding the proposed Coal Transfer Facility at Fraser Surrey Docks to Port Metro Vancouver staff and identify options to address these concerns;

AND THAT a copy of the report be sent to:

- UBCM;
- City of Powell River;
- Powell River Regional District;
- City of Surrey;
- Federal Government – Minister of the Environment;
- Federal Members of Parliament;
- Port Metro Vancouver
- Corporation of Delta.



Next Steps

- Metro Vancouver and 5 member municipalities expressed concerns to PMV, PMV considering requiring covers for trains and barges
- Vancouver Coastal and Fraser Health Authorities have suggested a Health Impact Assessment of the facility
- For more information: Brittany Auvinen, Public Affairs, Fraser Surrey Docks at 604.582.2244, community@fsd.bc.ca or visit:

www.portmetrovancouver.com/en/projects/OngoingProjects/Tenant-Led_Projects/FraserSurreyDocks.aspx

