



Greater Vancouver Regional District

4330 Kingsway, Burnaby, BC, Canada V5H 4G8

www.gvrd.bc.ca

Greater Vancouver Regional District • Greater Vancouver Water District
Greater Vancouver Sewerage and Drainage District • Greater Vancouver Housing Corporation

Policy & Planning Department
Tel. 604 432-6375 Fax 604 436-6707

AMENDING DOCUMENT

Under the provisions of the
Greater Vancouver Regional District Air Quality Management Bylaw No. 937, 1999,

AIR QUALITY MANAGEMENT PERMIT NUMBER GVA0153
issued November 30, 1992

in the name of Westshore Terminals Ltd.
located at 1 Roberts Bank, Delta,

is amended, subject to the terms and conditions listed below:

Effective Date: DEC 07 2005

Face Page: The company name is changed from Westshore Terminals Ltd. To Westshore Terminals Limited Partnership.

Schedule H, Record of Permit Issuance: Add new text under the following headings:

Date	Action	Sections Affected
DEC 07 2005	Amended	Face Page

All other terms and conditions prescribed in Permit GVA0153 remain unchanged.

Amendment Date: DEC 07 2005

DISTRICT DIRECTOR



Greater Vancouver Regional District
4330 Kingsway, Burnaby, British Columbia, Canada V5H 4G8

General
Telephone (604) 432-6200
Fax (604) 432-6251

Air Quality and Source Control Department - Tel (604) 436-6700 Fax (604) 436-6707

PERMIT

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(Under the provisions of the GVRD Air Quality Management Bylaw No. 725)

WESTSHORE TERMINALS LTD.,  
IS AUTHORIZED TO DISCHARGE AIR CONTAMINANTS  
FROM A COAL HANDLING TERMINAL  
LOCATED AT ROBERTS BANK, DELTA, B.C. V4K 3N2.

This permit has been issued under the terms and conditions  
prescribed in the attached Schedules A, B, C, D, E, F, G & H  
for emission sources and works existing or planned on November 30, 1992

  
ASSISTANT AIR QUALITY DIRECTOR

PERMIT NUMBER GVA0153

**INDEX OF SCHEDULES**

Schedule A . . . . . Site Plan

Schedule B . . . . . General Requirements

Schedule C . . . . . Emission Monitoring, Sampling and Reporting Requirements

Schedule D . . . . . Emission Sources and Discharge Points

Schedule E . . . . . Authorized Rates of Discharge

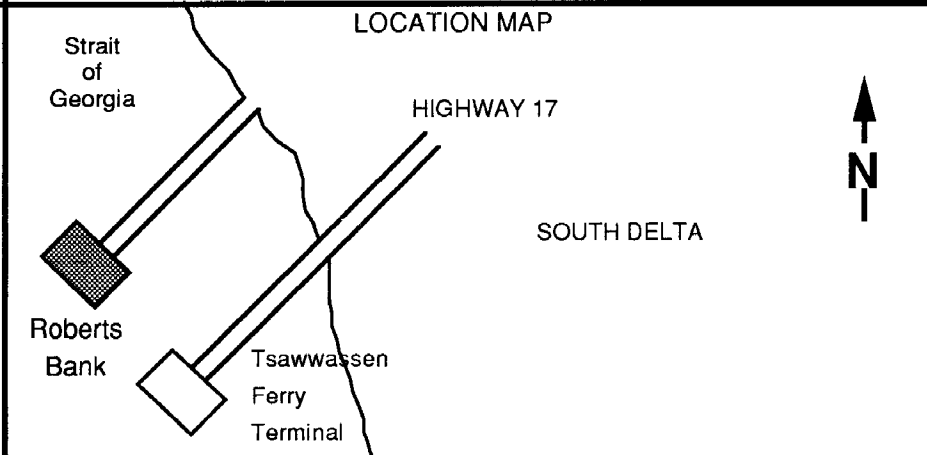
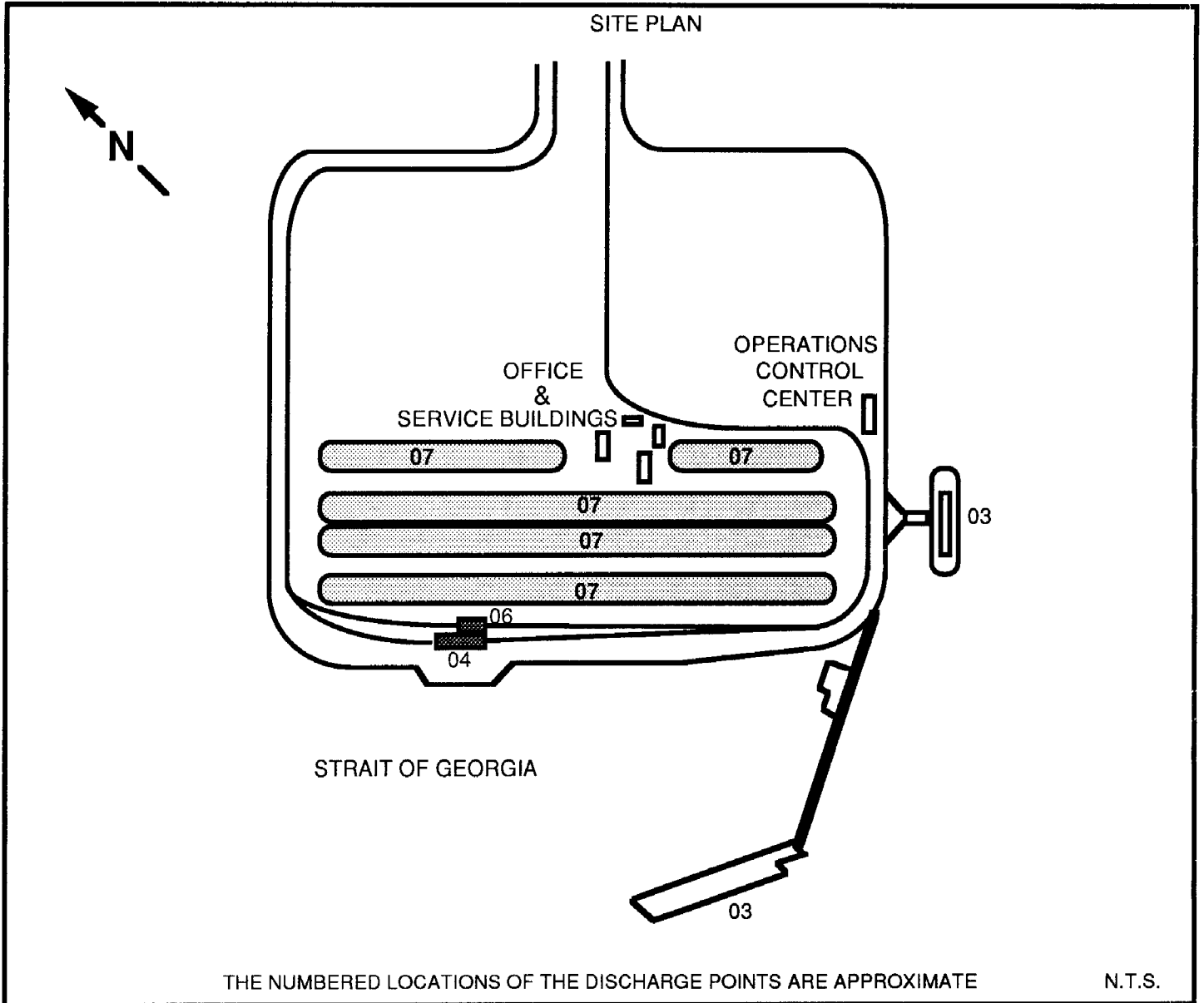
Schedule F . . . . . Authorized Discharge Criteria

Schedule G . . . . . Authorized Works and Procedures

Schedule H . . . . . Record of Permit Issuance Dates



**Air Quality Management Bylaw No. 725**



NOV 30 1992

*Robert S. Smith*

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ASSISTANT AIR QUALITY DIRECTOR

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Schedule A to Permit GVA0153

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SCHEDULE B - PAGE 1
to PERMIT GVA0153

A. OBJECTIVES AND AMENDMENTS

Ambient air quality guidelines and objectives are prescribed under provisions of applicable legislation. If the level of air quality as prescribed by these criteria is exceeded, the conditions of this Permit may be revised, in order that the desired air quality can be maintained. This Permit may also be amended for other reasons, as authorized by applicable legislation.

B. MAINTENANCE AND OPERATION OF WORKS

Works and procedures, which this Permit authorizes to control the discharge of air contaminants, shall be employed during all operating periods of the related facilities. The Permittee shall regularly inspect and maintain all such works in good repair.

C. EMERGENCY PROCEDURES

An emergency or other condition may prevent the continuous utilization of the above authorized works and procedures, or may result in a discharge of air contaminants which is not authorized by this Permit. If such a situation occurs, the Permittee shall report the circumstances of this event to the Greater Vancouver Regional District, Air Quality and Source Control at 436-6777 (24 hours), at the first available opportunity.

No discharge that has bypassed control works is authorized unless the Air Quality Director's approval has been obtained. In the event of an emergency, bypassing facilities may be used for such periods as are necessary to effect a shutdown of the related processes.

D. AIR CONDITIONING, HEATING AND VENTILATION SYSTEMS

Air contaminants discharged from any natural gas-fired air conditioning, heating or ventilation systems for buildings located at the discharge site are not specified in this Permit. These works shall be maintained and operated in a manner prescribed by the manufacturer to ensure good combustion of the fuel with minimum discharge of air contaminants. Notwithstanding the above, the Air Quality Director may at his discretion stipulate limits for emission of contaminants from these sources in the Permit at a future date under provisions of the Bylaw.

November 30, 1992


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SCHEDULE B - PAGE 2
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E. GENERAL SITE RESTRICTIONS

No air contaminant(s) from any single source, or combination of sources shall pass the boundary of the property, described in Section H of this Schedule B, such that the Air Quality Director determines that air pollution has occurred.

F. ENGINEERING UNITS

The engineering units specified in this Permit are in accordance with the Metric System of measure. Approximate equivalent values for the British System can be calculated using the following conversion factors.

$\text{mg/m}^3 \times 0.000437$	=	gr/cf
$\text{m}^3/\text{min} \times 35.3$	=	cf/min
$\text{kg/m}^3 \times 0.0624$	=	lbs/cf
$\text{kg/L} \times 10.0$	=	lbs/gal
$\text{mg/m}^3 \times 24.0/\text{M}$	=	ppm (by volume)

where

m^3	=	cubic metre	min	=	minute
mg	=	milligram	cf	=	cubic feet
s	=	second	lb	=	pound
kg	=	kilogram	gal	=	gallon
L	=	litre	M	=	molecular weight
gr	=	grain	ppm	=	parts per million

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ASSISTANT AIR QUALITY DIRECTOR

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G. STANDARD CONDITIONS AND DEFINITIONS

Except where otherwise indicated, the following standard conditions and definitions apply to this Permit.

1. The Restrictions in the attached Schedules are maximum limits.
2. Gaseous volumes are corrected to dry conditions of 20° Celsius & 760mm Hg.
3. Particulate matter from combustion sources is corrected to 12% Carbon Dioxide.
4. Opacity is measured at the point of maximum density, nearest the discharge point.
5. Opacity measurements exclude the effect of condensed, uncombined water droplets.
6. Definitions in the Waste Management Act and GVRD Air Quality Management Bylaw No. 725 apply to terminology used in this Permit.
7. Threshold Limit Values (TLV) refer to the Time Weighted Average (TWA) exposure limits for substances specified in the American Conference of Governmental Industrial Hygienists Threshold Limit Values handbook for the years 1990 - 1991.
8. Any production, storage, transportation, handling, treatment, processing or ownership of a special waste must comply with the requirements of the Waste Management Act, Special Waste Regulation.

H. DESCRIPTION OF DISCHARGE SITE

The land from which the air contaminants are discharged is described as "Municipality of Delta and New Westminster Assessment District Parcel Identifier: 002-818-612, Lot 1 of Parcel "A" Group 2 New Westminster District Plan 61571."

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SCHEDULE C - PAGE 1  
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This Schedule describes emission monitoring, sampling and reporting requirements.

The Permittee shall conduct the following monitoring and sampling program on the discharges and submit the results to the Air Quality Director. The need for increased or decreased monitoring may be reviewed periodically by the Air Quality Director.

| EMISSION NUMBER | DUE DATE(S)                                             | REQUIREMENT(S)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General         | See requirements                                        | Until March 31, 1993, the Permittee shall continuously monitor the wind speed and direction at the facility and maintain this data so as to be available for inspection for a minimum period of one year.                                                                                                                                                                                                                                      |
| General         | See requirements                                        | Starting April 1, 1993 the Permittee shall continuously monitor and maintain data related to the daily wind speed and direction; ambient air temperature; total precipitation; start and stop times of the individual rainbirds, high mast sprays and spray tower; the application intensity and the approximate area treated. The Permittee shall maintain this data so as to be available for inspection for a minimum period of six months. |
| General         | March 31, 1993 and annually thereafter                  | Written report detailing the types and amounts of principal products produced and principal raw materials used in the preceding calendar year.                                                                                                                                                                                                                                                                                                 |
| General         | December 31, 1992 and at quarterly intervals thereafter | Written report due detailing the average and maximum wind speed; total precipitation; maximum and minimum air temperature for the previous quarter. Identification of high masts, rainbirds and spray tower operated and the total volume of water applied from these sources for each operating day. Any wind speed excursions above 40 km/hr. shall be documented and submitted with the quarterly report.                                   |

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SCHEDULE C - PAGE 2
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EMISSION NUMBER	DUE DATE(S)	REQUIREMENT(S)
General	December 31, 1992 and at quarterly intervals thereafter	The measured dustfall in the vicinity of the terminal. Canisters shall be located on the northern and eastern perimeters and shall be exposed for one month periods. Results shall be reported in terms of total and fixed residue and coal content.

Further ambient air sampling and monitoring shall be undertaken by the Permittee, when required by the Air Quality Director.

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SCHEDULE D - PAGE 1
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The authorized emission sources and discharge points located approximately as shown on Schedule A are:

EMISSION NUMBER	EMISSION SOURCE	DISCHARGE POINT
03	Coal loading of marine vessels	Ship's holds and loading area
04	Tandem rail car dumper No. 31	Rail car entrance and exit
06	Single rail car dumper No. 32	Rail car entrance and exit
07	Stacking, reclaiming, conveying and storage of coal	Coal storage area

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SCHEDULE E - PAGE 1
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The authorized rates of discharge for the emission sources described in Schedule D are:

EMISSION NUMBER	MAXIMUM AUTHORIZED RATE OF DISCHARGE			NOTES & ADDITIONAL REQUIREMENTS
	FLOW m ³ /min	DURATION hours/day	FREQUENCY days/week	
03	See notes	24	7	The authorized rate of discharge is that resulting from the loading operations, as well as displacement air from the ship's holds.
04 & 06	See notes	24	7	The authorized maximum rate of discharge is that resulting from coal car dumping operations.
07	See notes	24	7	The authorized rate of discharge is that resulting from the stacking and reclaiming operations as well as stockpile wind erosion effects.

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GREATER VANCOUVER REGIONAL DISTRICT

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SCHEDULE F - PAGE 1  
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The authorized maximum discharge criteria for emission sources described in Schedule D are:

| EMISSION NUMBER | PARAMETER          | RESTRICTION | NOTES                                                                                                       |
|-----------------|--------------------|-------------|-------------------------------------------------------------------------------------------------------------|
| 03, 04, 06 & 07 | Opacity            | 20 percent  |                                                                                                             |
| 03, 04, 06 & 07 | Particulate matter | See notes   | None past the plant boundary such that the Air Quality Director determines that air pollution has occurred. |

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SCHEDULE G - PAGE 1
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The authorized works and procedures to control the discharge of air contaminants from the emission sources described in Schedule D are indicated below. The Air Quality Director may require that further works be installed, if the existing works, in his opinion, do not provide an acceptable level of emission control. New works or alterations to existing works must be approved, in principle, by the Air Quality Director.

Where the Air Quality Director has specified that additional works are required, the maximum discharge criteria described in Schedule F of this Permit are applicable as specified by the Completion Date(s) listed below. Prior to the specified date(s) the existing control works and procedures must be maintained in good operating condition and operated in a manner to minimize emissions.

EMISSION NUMBER	COMPLETION DATE	DESCRIPTION OF WORKS/PROCEDURES
03	Completed	The existing telescoping chutes for the shiploaders and related appurtenances together with minimization of drop heights.
04	Completed	The existing enclosure and good operating practices.
06	Completed	The existing enclosure and good operating practices.
07	Completed	The existing spray trucks, stacker/reclaimer water sprays and a local and/or remote operated water spray system consisting of 81 rainbirds and 35 high mast sprays and a spray tower, together with good operating practices. The rainbirds, high mast spray and spray tower are to operated on a local or remote basis. The high mast sprays will normally be operated in a group mode according to wind direction.

November 30, 1992


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SCHEDULE H - PAGE 1
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RECORD OF PERMIT ISSUANCE

DATE	ACTION	SECTIONS AFFECTED
November 30, 1992	Issuance	Face, Schedules A, B, C, D, E, F, G & H

November 30, 1992


ASSISTANT AIR QUALITY DIRECTOR