metrovancouver Greater Vancouver Regional District • Greater Vancouver Water District
Greater Vancouver Sewerage and Drainage District • Greater Vancouver Housing Corporation
4330 Kingsway, Burnaby, BC, Canada V5H 4G8 604-432-6200 www.metrovancouver.org

Policy & Planning Department
Tel. 604 432-6200 Fax 604 436-6707

AMENDING DOCUMENT

Under the provisions of the
Greater Vancouver Regional District Air Quality Management Bylaw No. 1082, 2008,

AIR QUALITY MANAGEMENT PERMIT NUMBER GVA0236
Issued November 30, 1992

in the name of **Davis Wire Industries Ltd.**
located at 960 Derwent Way, Delta, B.C.,

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

Effective Date(s): January 1, 2010

Schedule E, Page 1: Delete the maximum authorized rate of discharge criteria for Emission Number 02 and replace with:

EMISSION NUMBER	MAXIMUM AUTHORIZED RATE OF DISCHARGE		
	FLOW m^3/min	DURATION hours/day	FREQUENCY days/week
02	75	24	5

Schedule F, Page 1: Delete the authorized maximum discharge criteria for Emission numbers 02 & 06 and replace with:

EMISSION NUMBER	PARAMETER	RESTRICTION	NOTES
02 & 06	Hydrogen Chloride	30 mg/m^3	

Schedule H, Page 1: Add new text under the headings:

DATE	ACTION	SECTIONS AFFECTED
	Amendment	Schedule E Schedule F

All other terms and conditions prescribed in Permit GVA0236 remain unchanged.

Amendment Date: JAN 0 1 2010

Silvano Padovan
Assistant 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 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)

DAVIS WIRE INDUSTRIES LTD.

IS AUTHORIZED TO DISCHARGE AIR CONTAMINANTS

FROM A STEEL WIRE MILL

LOCATED AT 960 DERWENT WAY,

DELTA, B.C. V3M 5R1

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 July 9, 1999

Robert S. Smith
ASSISTANT AIR QUALITY DIRECTOR

PERMIT NUMBER GVA0236
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INDEX OF SCHEDULES

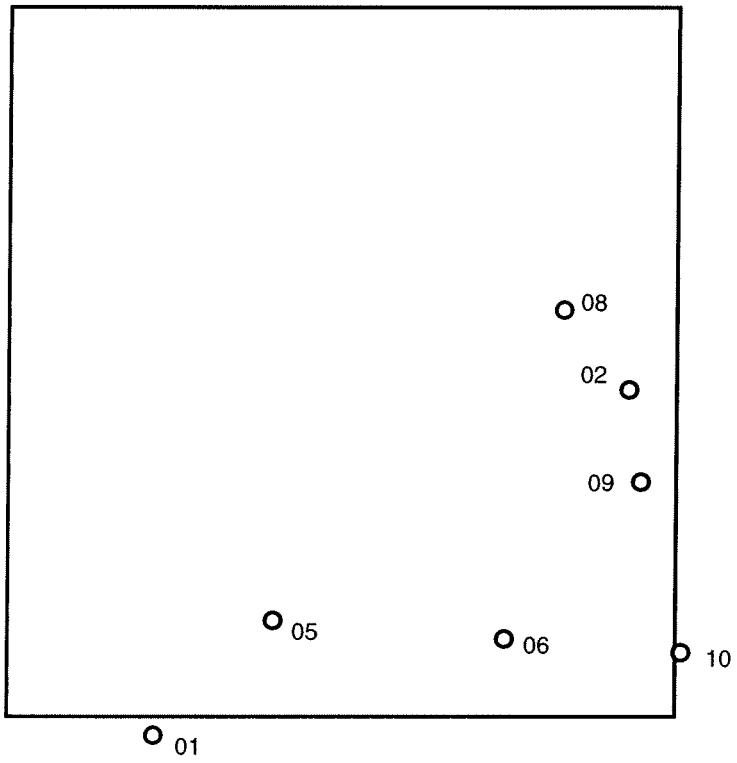
GREATER VANCOUVER REGIONAL DISTRICT

SCHEDULE A - PAGE 1
to PERMIT GVA0236

SITE PLAN

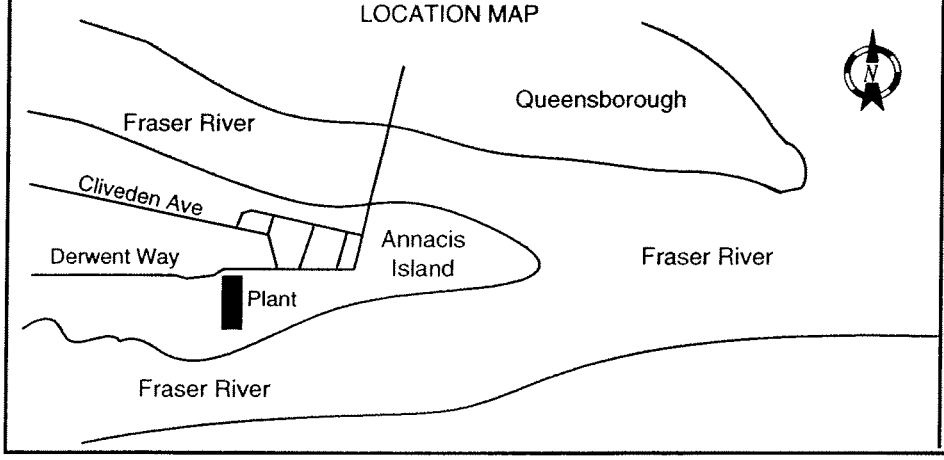
DERWENT WAY

OFFICE



THE NUMBERED LOCATIONS OF THE DISCHARGE POINTS ARE APPROXIMATE N.T.S.

LOCATION MAP



July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR

Schedule A to Permit No. GVA0236

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 Department 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.

July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR

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. INTERNAL COMBUSTION ENGINES

Air contaminants discharged from any natural gas, propane, gasoline, diesel, or other fossil fuel fired internal combustion engines operated at the discharge site may not be specifically authorized in this Permit. These works shall be maintained and operated in a manner prescribed by the manufacturer to ensure good combustion of the fuel and to minimize emissions such that the requirements of Section E of the Schedule B are not exceeded. The Air Quality Director may at his discretion stipulate further limits for emission of contaminants from these sources in the Permit at a future date under provisions of the Bylaw.

G. 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.

mg/m^3 x 0.000437	=	gr/cf
m^3/min x 35.3	=	cf/min
kg/m^3 x 0.0624	=	lbs/cf
kg/L x 10.0	=	lbs/gal
mg/m^3 x 24.0/M	=	ppm (by volume)
GJ/h x 0.9478	=	MMBTU/h

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
GJ	=	GigaJoule	MMBTU	=	Million British Thermal Unit
			h	=	hour

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ASSISTANT AIR QUALITY DIRECTOR

H. 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 year 1998.

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.

I. DESCRIPTION OF DISCHARGE SITE

The land from which the air contaminants are discharged is described as "Municipality of Delta Parcel Identifier: 006-192-734 Lot 109 District Lot 351 Group 1 New Westminster District Plan 47815.
Municipality of Delta Parcel Identifier: 006-192-769 Lot 110 District Lot 351 Group 1 New Westminster District Plan 47815."

July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR

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)
02	June 30, 2001 and every 2 years thereafter	The measured discharge rate and concentration of hydrogen chloride in the emission(s).
01, 02 & 10	March 31, 2000 and annually thereafter	Written report due summarizing inspection and maintenance of wet scrubbers during the previous calendar year.
General.	March 31, 2000 and annually thereafter	Written report detailing the types and amounts of principal products produced and principal raw materials used in the preceding calendar year.
05 & 08	March 31, 2000 and annually thereafter	Written report detailing the types and amounts of fuel burned in the preceding calendar year.
General	March 31, 2000 and annually thereafter	Written report detailing the types, amounts and end use of organic solvents and organic solvent-containing materials used in the preceding calendar year.

Unless otherwise approved by the Air Quality Director prior to any sampling or analysis, all emission measurements shall be performed by an independent agency in accordance with those procedures described in the most recent amendment of the "GVRD Stationary Emission Testing Requirements" manual issued on November 1994.

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ASSISTANT AIR QUALITY DIRECTOR

The Permittee shall provide the Greater Vancouver Regional District, Air Quality Department with a minimum of three days advance notification before emission measurements are conducted for the purpose of complying with Permit requirements. All field data and calculations collected for all testing conducted in accordance with such compliance determination must be submitted to the Air Quality Director. Monitoring results shall be reported in the metric units which are used in this Permit to specify the authorized discharge criteria. These submissions shall include the production rate at the time of the test, and all field data and calculations.

Any variance from these procedures must receive prior approval from the Air Quality Director.

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

July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR

The authorized emission sources and discharge points located approximately as shown on Schedule A are:

EMISSION NUMBER	EMISSION SOURCE	DISCHARGE POINT
01	Wire rod acid pickling line/cleaning house	Stack
02	Hydrochloric acid wire cleaning operation on the galvanizing line	Stack
05	Cleaver-Brooks natural gas fired steam generator	Stack
06	Polyvinyl chloride wire coat machine	Stack
08	Zinc bath	Stack
09	Lead annealing bath	Stack
10	Sludge dryer	Wall vent

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ASSISTANT AIR QUALITY DIRECTOR

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 m3/min	DURATION hours/day	FREQUENCY days/week	
01	1200	24	7	
02	115	24	7	
05	300	24	7	
06	See notes	24	7	The flow rate is that resulting from natural draft.
08	285	24	7	
09	145	24	7	
10	31	24	7	

July 9, 1999

Robert S. Smith
ASSISTANT AIR QUALITY DIRECTOR

The authorized maximum discharge criteria for emission sources described in Schedule D are:

EMISSION NUMBER	PARAMETER	RESTRICTION	NOTES
01 & 09	Chemical Contaminants	See notes	The maximum allowable emission concentration (EC) for each emitted chemical contaminant with a Threshold Limit Value (TLV) is such that the sum of the individual EC/TLV ratios for all such contaminants is less than 10.
02 & 06	Hydrogen Chloride	70 mg/m^3	
09 & 10	Lead	1.5 mg/m^3	Includes lead & lead compounds, expressed as lead
01, 02, 06 & 09	Odour	See notes	None past the plant boundary such that the Air Quality Director determines that air pollution has occurred.
01	Sulphur Compounds	10 mg/m^3	Expressed as Sulphuric Acid.
08 & 10	Zinc	7 mg/m^3	Includes zinc & zinc compounds, expressed as zinc.
10	Particulate matter	120 mg/m^3	
08	Combustion Products	See notes	Typical products of combustion of natural gas at a combined maximum firing rate of 2.9 GJ/h.
10	Opacity	10 percent	Based on a minimum six minute average.
05	Combustion Products	See notes	Typical products of natural gas combustion at a maximum firing rate of 6.6 GJ/h.

July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR

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
01	Completed	Packed tower water scrubber with continuous water makeup to the reservoir at 20 gallons per minute, and related appurtenances.
02	Completed	Packed tower water scrubber with continuous water makeup to the reservoir at 5 gallons per minute, and related appurtenances.
05	Completed	Firing of the steam generator with natural gas using good combustion practices and operating procedures.
06 & 09	Completed	Good operating practices.
08	Completed	Three temperature controllers together with an effective cover of zonolite outside the combustion chamber and good operating practices.
10	Completed	Wet scrubber and related appurtenances.

July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR

RECORD OF PERMIT ISSUANCE

DATE	ACTION	SECTIONS AFFECTED
November 30, 1992	Issuance	Face, Schedules A, B, C, D, E, F, G & H
July 9, 1999	Amendment	Face, Schedules A, B, C, D, E, F, G & H

July 9, 1999

ASSISTANT AIR QUALITY DIRECTOR