



AMENDING DOCUMENT

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

AIR QUALITY MANAGEMENT PERMIT NUMBER GVA0174

Issued November 30, 1992,

in the name of **Cloverdale Paint Inc.**
located at 6950 King George Highway, Surrey, B.C.,

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

Effective Date(s): JAN 01 2010

Schedule F, Page 1: Delete the authorized maximum discharge criteria for Parameter Benzene, Toluene, Ethylbenzene, Xylene from Emission Number 12 and replace with:

EMISSION NUMBER	PARAMETER	RESTRICTION	NOTES
12	Benzene, Toluene, Ethylbenzene, Xylene	100 kilograms/year	

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

DATE	ACTION	SECTIONS AFFECTED
	Amendment	Schedule F

All other terms and conditions prescribed in Permit GVA0174 remain unchanged.

Amendment Date: JAN 01 2010

Silvano Padovan,
Assistant District Director



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PERMIT

(Under the provisions of the GVRD Air Quality Management Bylaw No. 937, 1999)

CLOVERDALE PAINT INC.

IS AUTHORIZED TO DISCHARGE AIR CONTAMINANTS
FROM A PAINT MANUFACTURING PLANT LOCATED AT
6950 KING GEORGE HIGHWAY, SURREY, B.C. V3W 4Z1

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 April 28, 2000.


ASSISTANT DISTRICT DIRECTOR

PERMIT NUMBER GVA0174

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

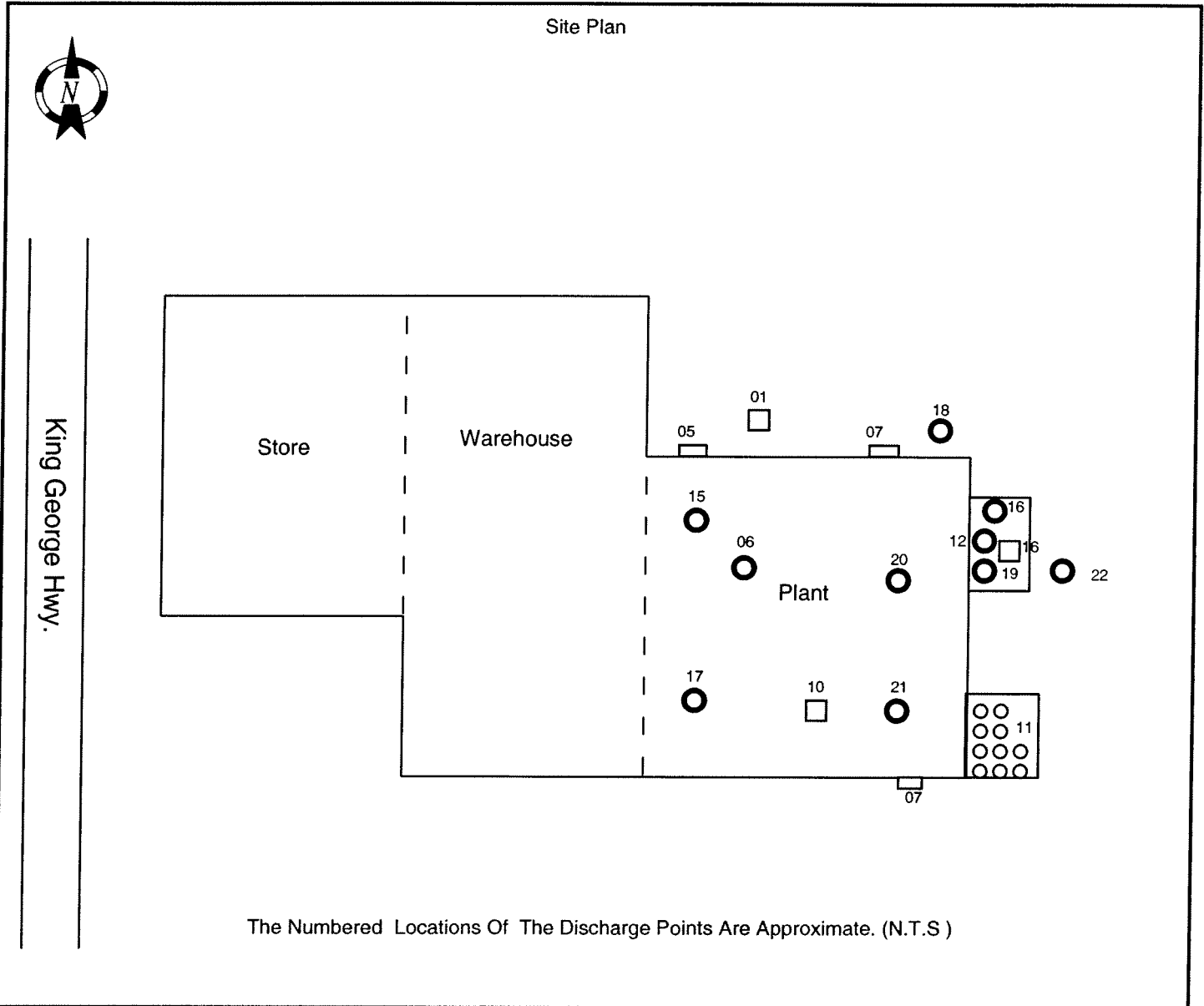
Schedule E..... Authorized Rates of Discharge

Schedule F..... Authorized Discharge Criteria

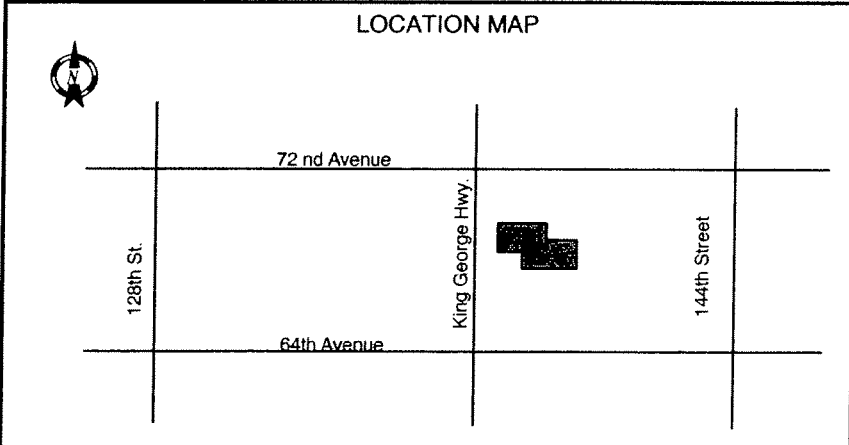
Schedule G..... Authorized Works and Procedures

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

SCHEDULE A - PAGE 1
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The Numbered Locations Of The Discharge Points Are Approximate. (N.T.S)



April 28, 2000

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Schedule A to Permit No. GVA0174

SCHEDULE B - PAGE 1
to PERMIT GVA0174

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 District 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 District 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.

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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 I of this Schedule B, such that the District 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 they requirements of Section E of this Schedule B are not exceeded. The District 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.

$\text{mg/m}^3 \times 0.000437$	=	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)
$\text{GJ/h} \times 0.9478$	=	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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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. 937, 1999 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 1999.
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 "Municipality of Surrey, Parcel Identifier: 011-433-710, Lot 1 Except: Firstly: Parcel "A" (Reference Plan 15852) Secondly: part within heavy outline taken by Highway Statutory Right of Way Plan 63551, Section 16, Township 2, New Westminster District Plan 9798."

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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 District Director. The need for increased or decreased monitoring may be reviewed periodically by the District Director.

EMISSION NUMBER	DUE DATE(S)	REQUIREMENT(S)
01	March 31, 2001 and annually thereafter	Written report indicating inspection frequency, bag condition and action taken or proposed to solve any problems detected for the baghouses described in Schedule G of this Permit.
General	March 31, 2001 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	March 31, 2001 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.
12	March 31, 2001 and annually thereafter	Written report due summarizing the results of the previous calendar quarters analyses of groundwater, both before and after treatment. The parameters analyzed shall include benzene, toluene, ethylbenzene and xylene. The report shall include the quantity of groundwater treated, number of operating hours, and the estimated amount of solvents discharged to the air for each month.

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EMISSION NUMBER	DUE DATE(S)	REQUIREMENT(S)
01, 05, 06, 10, 15, 16, 17 & 21	March 31, 2001 and annually thereafter	Written report detailing the total number of hours and days operated during the preceding calendar year. Records are to be maintained in a written bound log or other format approved by the District Director, and made available for inspection, by Air Quality staff for a minimum period of three years.
22	March 31, 2001 and annually thereafter	Written report due summarizing the results of the analyses of waste wash water processed in the evaporator before treatment. The parameters analyzed shall include volatile organics as: MAH, Chlorinated Aliphatic, and Trihalomethanes. The report shall include the quantity of wastewater treated, number of operating hours, and the estimated amount of solvents discharged to the air during the previous year.

Unless otherwise approved by the District 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.

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 District 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 District Director.

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

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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
01	Ventilation of three sandmills and 19 paint dispersion tanks, and two area dust collectors	Baghouse exhaust
05	Laboratory test spray booth	Vent
06	Ventilation of fourteen paint mixing tanks	Roof exhaust
07	Eight resin and solvent storage tanks	Three vents
10	General plant ventilation	Roof exhaust
11	Ten above ground storage tanks containing aromatic and aliphatic hydrocarbons	Ten conservation vents
12	Air stripping of contaminated groundwater	Stack
15	Ventilation for small container tinting area	Roof exhaust
16	Area Vent for Distillation room	Two roof exhausts
17	Ventilation of solvent holding tank and solvent fillings machinery	Roof exhaust
18	Breathing vent for tank cleaning solvent holding tank	Vent
19	Solvent Recovery Still	Condenser
20	Breathing vents for two resin storage tanks	Four vents
21	Ventilation of filling equipment and small dust extractor	Roof exhaust
22	Landa evaporator	Stack

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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	
01	278	20	6	
05	72	0.5	5	
06	98	20	6	
07	See notes	24	7	The rate of discharge is that resulting from vapour venting during tank filling and breathing.
10	436	20	6	
11	See notes	24	7	The rate of discharge is that resulting from vapour venting during tank filling and breathing.
12	10	24	7	
15	57	20	6	
16	95	20	6	
17	57	20	6	
18	See notes	24	7	The rate of discharge is that resulting from vapour venting during tank filling and breathing.

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EMISSION NUMBER	MAXIMUM AUTHORIZED RATE OF DISCHARGE			NOTES & ADDITIONAL REQUIREMENTS
	FLOW m ³ /min	DURATION hours/day	FREQUENCY days/week	
19	See notes	See notes	See notes	No rate of discharge is authorized except during the emergency shutdown of the condenser.
20	See notes	24	7	The rate of discharge is that resulting from vapour venting during tank filling and breathing.
21	57	2	5	
22	5	19.5	5	

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

EMISSION NUMBER	PARAMETER	RESTRICTION	NOTES
01, 05, 06 07, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21 & 22	Odour	See notes	None past the plant boundary such that the District Director determines that pollution has occurred.
01	Opacity	20 percent	
01, 05, 06, 07, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21 & 22	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.
01	Particulate matter	20 mg/m ³	
12	Benzene, toluene, Ethylbenzene, xylene	5 kg/day	
22	Combustion Products	See notes	Typical products of natural gas combustion at a maximum firing rate of 0.395 GJ/hr (375 MMBTU/hr).

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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 District 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 district Director.

Where the District 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	The existing Ducon Pulse Jet baghouse and related appurtenance together with good operating practices.
05	Completed	A fibreglass filter and related appurtenances together with good operating practices.
10	Completed	The existing in-line filtration and related appurtenances together with good operating practices.
06, 07, 10, 11, 12, 15, 16, 17, 18, 19, 20 & 21	Completed	Good operating practices.
22	June 15, 2000	Good operating practices.

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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
January 1, 1997	Amendment	Face, Schedules A, B, C, D, E, F, G & H
April 28, 2000	Amendment	Face, Schedules A, B, C, D, E, F, G & H

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