



AMENDING DOCUMENT

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

AIR QUALITY MANAGEMENT PERMIT NUMBER GVA0440

Issued November 30, 1992,

in the name of **CKF Inc.**
located at 19878 – 57A Ave, Langley, 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 Styrene from Emission Number 02.

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 GVA0440 remain unchanged.

Amendment Date: JAN 01 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
Located at: 4720 Kingsway, Burnaby, B.C.

PERMIT

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

CKF INC.

IS AUTHORIZED TO DISCHARGE AIR CONTAMINANTS

FROM A STYROFOAM MANUFACTURING PLANT

LOCATED AT 19878 - 57A AVENUE

LANGLEY, B.C. V3A 6G6

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 January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

PERMIT NUMBER GVA0440

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

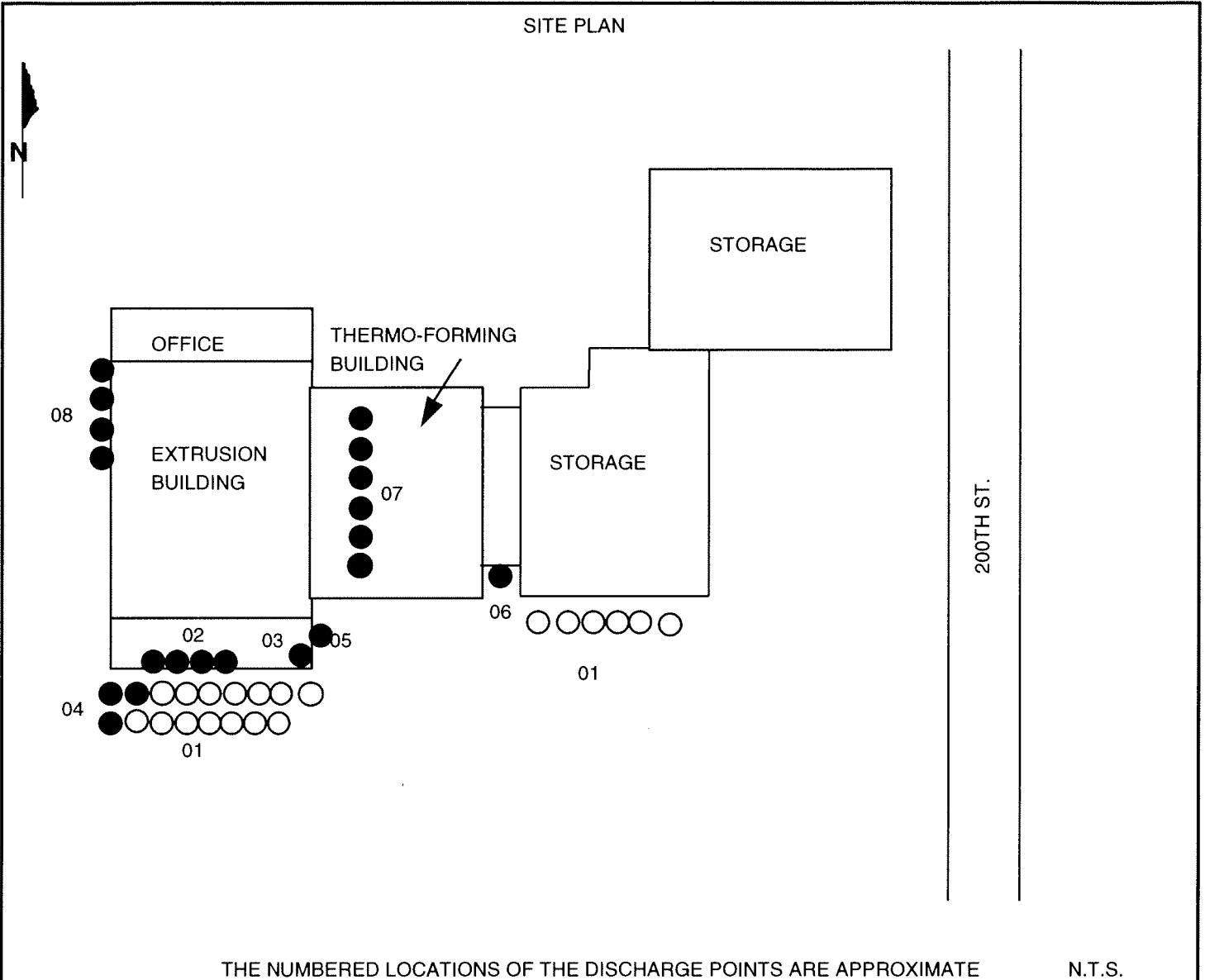
Schedule G Authorized Works and Procedures

Schedule H Record of Permit Issuance Dates



GVRD Air Quality Management Bylaw No. 725

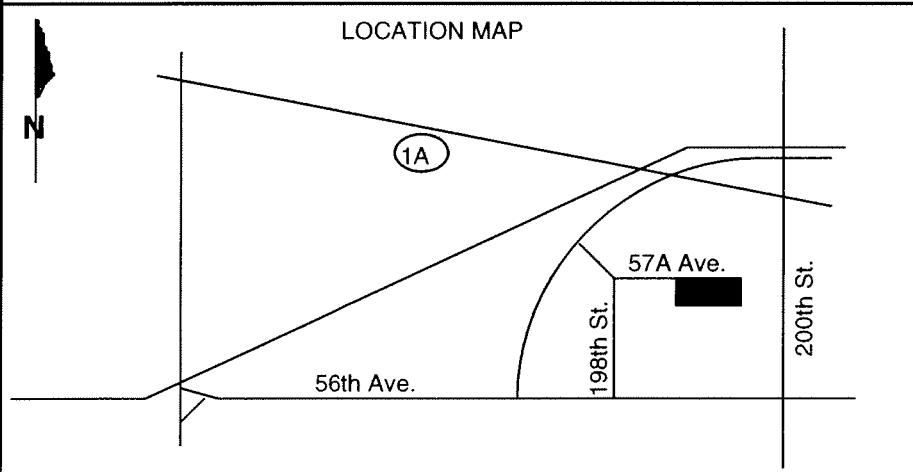
SITE PLAN



THE NUMBERED LOCATIONS OF THE DISCHARGE POINTS ARE APPROXIMATE

N.T.S.

LOCATION MAP



JANUARY 1, 1997

Robert S. Smith

ASSISTANT AIR QUALITY DIRECTOR

Schedule A to Permit No. GVA0440

SCHEDULE B - PAGE 1
to PERMIT GVA0440

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.

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE B - PAGE 2
to PERMIT GVA0440

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 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 this 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.

$\text{mg/m}^3 \times 0.000437$	=	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

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE B - PAGE 3
to PERMIT GVA0440

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 year 1996.
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 "City of Langley, Parcel Identifier: 012-572-268, Lot A, District Lot 310, Group 2 New Westminster District Plan 79222 (L0001) and Parcel Identifier: 011-203-927 Parcel 2 District Lot 310 Group 2 New Westminster District Reference Plan 77862."

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE C - PAGE 1
to PERMIT GVA0440

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	March 31, 1997 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, 1997 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.
01 & 07	See requirement	The operating period referred to in Schedule E of this Permit shall be continuously monitored and recorded using methods that have received prior approval by the Air Quality Director. This continuous record is to be maintained and made available for inspection by Air Quality staff for a minimum period of three years.
01 & 07	March 31, 1997 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 Air Quality Director, and made available for inspection, by Air Quality staff for a minimum period of three years.

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE C - PAGE 2
to PERMIT GVA0440

EMISSION NUMBER	DUE DATE(S)	REQUIREMENT(S)
02	March 31, 1997 and annually thereafter	Written report detailing the type and amount of Butane and/or alternative blowing agents used during the preceding 12 month period.
03	March 31, 1997 and annually thereafter	Written report indicating inspection frequency, bag condition and action taken or proposed to solve any problems detected for the baghouse described in Schedule G of this Permit.

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

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE D - PAGE 1
to PERMIT GVA0440

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

EMISSION NUMBER	EMISSION SOURCE	DISCHARGE POINT
01	Twenty styrofoam reclaim silos	Twenty cyclone exhausts
02	Four extruders	Four cyclone exhausts
03	Styrofoam grinder	Baghouse exhaust
04	Three styrene silos	Three roof vents
05	Styrofoam grinder	Cyclone exhaust
06	Printing ink wash	Wall vent
07	Eleven heat forming presses	Six roof vents
08	Butane handling system	Four wall vents

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE E - PAGE 1
to PERMIT GVA0440

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	180	24	7	Maximum of 10 silos to be in use at any one time.
02	60	24	7	
03	25	8	3	
04	68	24	7	
05	135	8	3	
06	104	1	7	
07	1080	24	7	
08	117	24	7	

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE F - PAGE 1
to PERMIT GVA0440

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

EMISSION NUMBER	PARAMETER	RESTRICTION	NOTES
01, 02, 04 & 05	Particulate matter	120 mg/m ³	
02	Styrene	200 mg/m ³	
03	Particulate matter	50 mg/m ³	
02, 06, 07	Odour	See notes	None past the plant boundary such that the Air Quality Director determines that air pollution has occurred.
01, 02, 03, 04, 05, 07	Opacity	10 percent	
06	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 in any single emission source is less than 10.
08	Butane	15 mg/m ³	

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE G - PAGE 1
to PERMIT GVA0440

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	20 cyclones and related appurtenances, together with good operating practices.
02	Completed	4 cyclones and related appurtenances, together with good operating practices.
03	Completed	Baghouse and related appurtenances, together with good operating practices.
04	Completed	Good operating practices.
05	Completed	Cyclone and related appurtenances, together with good operating practices.
06	Completed	Good operating practices.
07	Completed	Good operating practices.
08	Completed	Good operating practices.

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR

SCHEDULE H - PAGE 1
to PERMIT GVA0440

RECORD OF PERMIT ISSUANCE

DATE	ACTION	SECTIONS AFFECTED
November 30, 1992	Issuance	Face, Schedules A, B, C, D, E, F, G & H
March 3, 1995	Amended Added	Face, Schedules A, B, C, D, E, F, G & H Emission No. 08
January 1, 1997	Amended	Face, Schedule A, B, C, D, E, F, G & H

January 1, 1997


ASSISTANT AIR QUALITY DIRECTOR