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

Legal and Legislative Services Department
Tel. 604-432-6200 Fax 604-436-6707

PERMIT GVA0032

Pursuant to
Greater Vancouver Regional District Air Quality Management Bylaw No. 1082, 2008
and BC Environmental Management Act

Richmond Plywood Corporation Ltd.

located at
13911 Vulcan Way, Richmond, BC V6V 1K7

is authorized to discharge air contaminants to the air from

subject to the requirements in this Permit for the emission sources and works existing or planned on October 31, 2014.

Contravention of any of these requirements is a violation of the bylaw
and may result in enforcement action.

All previous versions of this Air Quality Management Permit are hereby rescinded and rendered null and void.

Issued: November 30, 1992
Date
Amended

OCT 3 1 2014

Kathy Preston, Ph.D., P.Eng.
Assistant District Director

SECTION 1 – AUTHORIZED EMISSION SOURCES

Authorization to discharge air contaminants from the authorized Emission Sources and Works listed below is subject to the specified terms and conditions.

Approximate locations of the emission sources are shown on the Site Plan in section 4.

EMISSION SOURCE 01: **Wood waste boiler discharging through a ESP Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **2421** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** hrs/yr
MAXIMUM PRIMARY BURNER INPUT FIRING RATE: **147** GJ/hr

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Particulate Matter
2. 5% Opacity.

WORKS AND PROCEDURES:
Multi-clones, an Electro-static precipitator, and related appurtenances together with good operating practices. The boiler shall be fired with hog fuel or natural gas using good combustion practices and operating procedures.

The permittee shall continuously monitor and record baseline operating parameters for the electrostatic precipitator (ESP). The minimum operating parameters to be monitored shall include quench inlet temperature, ESP outlet temperature, transformer voltage and total power. Records are to be maintained and made available for inspection by Policy and Planning staff for a minimum period of three years.

EMISSION SOURCE 05: **Six belt sanders discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **350** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5616** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 06: **Two routers, a core saw, a press saw, No. 2 patch line, discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **450** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.
3. Chemical Contaminants: 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 is less than 10.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 07: **Plywood trimmings hog, batch glue mixer and No. 1 tongue and groove machine discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **500** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5616** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.
3. Chemical Contaminants: 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 is less than 10.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 09: **Pluggers discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **580** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 11: **No. 2 tongue and groove machine, No. 2 panel saw and EN06 & 07 wood waste transfer discharging through a discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **230** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 12: **Green wood chipper discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **400** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 13: **Natural gas fired boiler discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **235** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **0** hrs/yr (See Works & Procedures)
MAXIMUM PRIMARY BURNER INPUT FIRING RATE: **47.48** GJ/hr

MAXIMUM EMISSION QUALITY:
1. 5% Opacity.

WORKS AND PROCEDURES:
This boiler will operate as an emergency back up unit only. The boiler shall be fired with natural gas with good operating procedures.

Issued: November 30, 1992
Date Amended OCT 3 1 2014

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EMISSION SOURCE 16: **Two plywood sanders and a panel saw discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **1900** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **0** hrs/yr (See Works & Procedures)

MAXIMUM EMISSION QUALITY:
1. 20% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices. No air contaminants shall be emitted from this source except in the event of an Emergency Procedure as defined in Section 2, Part G of the permit.

EMISSION SOURCE 17: **Chip screening operation handling chip fines discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **80** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5267** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 21: **Table saw and a strip saw discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **70** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

Issued: November 30, 1992
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EMISSION SOURCE 22: **Truck dump, stockpiling, storage, reclaiming and barge loading of wood chips from a wood chip storage & handling area directly to the environment.**

MAXIMUM EMISSION FLOW RATE: **The authorized rate of discharge is that resulting from the wood chip unloading, stacking and reclaiming operations as well as stockpile wind erosion effects.**
MAXIMUM ANNUAL OPERATING HOURS: **0** hrs/yr (See Works & Procedures)

MAXIMUM EMISSION QUALITY:
1. Particulate: None past the plant boundary such that pollution occurs.

WORKS AND PROCEDURES:
Ultra Span wind fence and related appurtenances together with proper chip screening, pneumatic blow pipe water injection, area water sprinklers and the operation of three Rainbird water guns together with good operating procedures. Product shall not be handled when wind speeds cause material to travel past the plant boundary.

Scow and barge loading of wood chips using a telescopic chute together with good operating practices. Scow and barge loading is to be conducted in a manner to minimize fugitive emissions from this operation.

Truck dump activities to be conducted according to good operating practices and in a manner to minimize fugitive emissions from this operation.

EMISSION SOURCE 24: **Submerged combustion system for wood conditioning discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **114** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **0** hrs/yr (See Works & Procedures)
MAXIMUM PRIMARY BURNER INPUT FIRING RATE: **16.88** GJ/hr

MAXIMUM EMISSION QUALITY:
1. 5% Opacity.

WORKS AND PROCEDURES:
This system is used for back-up only. Firing of the submerged combustion system with natural gas (propane stand-by) using good combustion practices and operating procedures.

EMISSION SOURCE 25: **Five veneer line stackers and one veneer diverter discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **1100** m^3/min

MAXIMUM ANNUAL OPERATING HOURS: **0** hrs/yr (See Works & Procedures)

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices. Works will remain idle until permittee wishes to reactivate it again.

EMISSION SOURCE 26: No. 1 and 2 composers veneer hog and the transfer of chip fines from the chip shaker discharging through a Cyclone Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1200** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 27: Wood waste transfer associated with two plywood sanders and a plytrim pulverizer discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **2000** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:
Wheelabrator baghouse and related appurtenances together with good operating practices.

EMISSION SOURCE 30: No. 2 veneer dryer cooling section discharging through a Stack(s).

MAXIMUM EMISSION FLOW RATE: **340** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8224** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Particulate Matter
2. 5% Opacity.

WORKS AND PROCEDURES:
Effective operation and maintenance of veneer dryer, together with good operating practices to minimize emissions.

EMISSION SOURCE 35: **No. 3 veneer dryer cooling section discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **187** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8224** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Particulate Matter
2. 5% Opacity.

WORKS AND PROCEDURES:
Effective operation and maintenance of veneer dryer, together with good operating practices to minimize emissions.

EMISSION SOURCE 36: **Cut-off saw discharging through a Cyclone Exhaust(s).**

MAXIMUM EMISSION FLOW RATE: **342** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 120 mg/m^3 Particulate Matter
2. 20% Opacity.

WORKS AND PROCEDURES:
Cyclones and related appurtenances together with good operating practices.

EMISSION SOURCE 37: **Three plywood hot presses discharging through a Building Opening(s).**

MAXIMUM EMISSION FLOW RATE: **The rate of discharge is that resulting from the natural draft ventilation of the plywood presses during operation**
MAXIMUM ANNUAL OPERATING HOURS: **7488** hrs/yr

MAXIMUM EMISSION QUALITY:
1. Chemical Contaminants: 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 is less than 10.

WORKS AND PROCEDURES:
Good operating practices.

EMISSION SOURCE 38: **Grinding room work stations discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **135** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **2496** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 10% Opacity.
3. Chemical Contaminants: 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 is less than 10.

WORKS AND PROCEDURES:
Good operating practices.

EMISSION SOURCE 39: **Welding stations discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **65** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **2912** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 10% Opacity.
3. Chemical Contaminants: 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 is less than 10.

WORKS AND PROCEDURES:
Good operating practices.

EMISSION SOURCE 42: **No. 1 veneer dryer cooling section discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **840** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **7808** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Particulate Matter
2. 5% Opacity.

WORKS AND PROCEDURES:
Effective operation and maintenance of veneer dryer, together with good operating practices, to minimize emissions.

EMISSION SOURCE 43: **No. 1, 2, 3 & 4 veneer dryers discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **2200** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 50 mg/m^3 Particulate Matter
2. 5% Opacity.
3. Odorous Air Contaminant(s): None past the plant boundary such that pollution occurs.
4. Particulate: Includes condensible particulate matter (CPM).

WORKS AND PROCEDURES:
Nos. 1, 2, 3 and 4 steam heated veneer dryers together with good operating practices.

Where effective measures are not taken to minimize fugitive emissions the District Director may require that the equipment or structures in which processing, handling, and storage of veneer are conducted, be tightly closed, modified, or operated in such a way that air contaminants are minimized, controlled or removed prior to discharge to atmosphere.

The permittee shall continuously monitor and record baseline operating parameters for the wet electrostatic precipitator (WESP). The minimum operating parameters to e monitored shall include quench inlet temperature, WESP outlet temperature, transformer voltage and total power. Records are to be maintained and made available for inspection by Policy and Planning staff for a minimum period of three years.

EMISSION SOURCE 44: **No. 1, 2, 3 & 4 veneer dryers emergency by-pass discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **2200** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **0** hrs/yr (See Works & Procedures)

MAXIMUM EMISSION QUALITY:

WORKS AND PROCEDURES:
No air contaminants shall be emitted from this source except in the event of an Emergency Procedure as defined in Section 2, Part G of the permit.

Actions taken by the Permittee to purge the veneer dryers in accordance with CSA requirements to prevent fire or explosion are not restricted.

EMISSION SOURCE 45: **No. 4 veneer dryer cooling section discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **2025** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1464** hrs/yr

MAXIMUM EMISSION QUALITY:
1. 10 mg/m^3 Particulate Matter
2. 5% Opacity.

WORKS AND PROCEDURES:
Effective operation and maintenance of veneer dryer cooling section, together with good operating practices, to minimize emissions.

EMISSION SOURCE 46: **Raute panel oiler and edge sealer line discharging through a Stack(s).**

MAXIMUM EMISSION FLOW RATE: **572** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5304** hrs/yr

MAXIMUM EMISSION QUALITY:
1. Odorous Air Contaminant(s): None past the plant boundary such that pollution occurs.

WORKS AND PROCEDURES:
Roll coating oiler station and down draft edge sealer station and related appurtenances, together with good operating practices. Edge sealer down draft station exhaust is to be controlled with effective multistage paint overspray arrestors together with good operating practices.

Issued: November 30, 1992
Date Amended OCT 3 1 2014

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SECTION 2 – GENERAL REQUIREMENTS AND CONDITIONS

A. AMENDMENTS

The terms and conditions of this permit may be amended, as authorized by applicable legislation. New and modified sources must receive authorization prior to start-up.

B. POLLUTION

Notwithstanding any conditions in this permit, no person shall discharge or allow or cause the discharge of any air contaminant so as to cause pollution as defined in the Greater Vancouver Regional District Air Quality Management Bylaw No. 1082, 2008 and the Environmental Management Act.

C. STANDARD CONDITIONS AND DEFINITIONS

Unless otherwise specified, the following applies to this permit:

1. Gaseous volumes are corrected to standard conditions of 20° Celsius & 101.325 kPa with zero percent moisture.
2. Contaminant concentrations from the combustion of specific fuel types are corrected to the following Oxygen content, unless specified otherwise:
   - 3% O_2 for natural gas and fuel oil;
   - 8% O_2 for wood fuel;
   - 15% O_2 for turbines.
3. Where compliance testing is required, each contaminant concentration limit in this permit will be assessed for compliance based on a valid test using test methods approved by the District Director.
4. Visual opacity measurements are made at the point of maximum density, nearest the discharge point and exclude the effect of condensed, uncombined water droplets. Compliance determinations are based on a 6 minute average in accordance with the provincial "Source Testing Code for the Visual Measurement of The Opacity of Emissions from Stationary Sources". Continuous Emission Monitor System (CEMS) opacity compliance determinations are based on a one hour average (taken from the top of each hour).
5. If authorized in section 1 of this permit, standby fuel use is restricted to a maximum of 350 hrs/yr and to those periods during which the primary authorized fuel is not available. Fuel oil sulphur content shall not exceed 15 mg/kg and emissions during fuel oil firing shall not exceed 10% Opacity.
6. Definitions in the Environmental Management Act and Air Quality Management Bylaw 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, current on the latest date that this permit issuance or amendment came into effect.
8. Sulphur Oxides (SOx) are expressed as Sulphur Dioxide.
9. Nitrogen Oxides (NOx) are expressed as Nitrogen Dioxide.

Issued: November 30, 1992
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10. The Canadian Council of Ministers of the Environment (CCME) "Environmental Guidelines for Controlling Emissions of Volatile Organic Compounds from Aboveground Storage Tanks (June 1995, CCME-EPC-87E)" shall be adhered to for all applicable tanks unless otherwise stated in this permit.
11. Authorized 'Maximum Annual Operating Hours' of 8760 hrs/yr for an emission source is equivalent to authorization for continuous operation of the emission source for an entire calendar year, including leap years.

D. HEATING, VENTILATION, AIR CONDITIONING AND INTERNAL COMBUSTION ENGINES

Air contaminants discharged from any natural gas-fired heating, ventilation or air conditioning systems for buildings and any internal combustion engines located at the discharge site 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.

E. AUTHORIZED WORKS AND PROCEDURES

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 permit holder shall regularly inspect and maintain all such works in good repair.

The discharge criteria described in this permit are applicable on the issued or amended date of this permit unless specified otherwise. If a date different to the issued or amended date is specified, the existing control works and procedures must be maintained in good operating condition and operated in a manner to minimize emissions.

F. BYPASSES

The discharge of contaminants which have bypassed authorized control works during non-emergency conditions is prohibited unless approval has been obtained in writing from the District Director.

G. EMERGENCY PROCEDURES

In the event of an emergency that prevents compliance with a requirement(s) of this permit, that requirement(s) shall be suspended for such time as the emergency continues or until otherwise directed by the District Director, provided that:

1. Due diligence was exercised in relation to the process, operation or event that caused the emergency and that the emergency occurred notwithstanding this exercise of due diligence; and,
2. The District Director is notified at the first available opportunity of the emergency and of contingency actions invoked or planned to mitigate adverse impacts and restore compliance. Notification shall be made to Metro Vancouver's 24-hour number: 604-436-6777; and,
3. Due diligence is exercised in shutting down related processes and/or taking action to restore compliance in the shortest possible time frame, unless specified otherwise in this permit or by written notice from the District Director.

Issued: November 30, 1992
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Notwithstanding 1, 2 and 3 above, the District Director may specify contingency actions to be implemented to protect human health and the environment while authorized works and/or standard operating procedures are being restored.

If an emergency situation results in a "spill" as defined in the Environmental Management Act Spill Reporting Regulation, the spill shall also be reported immediately to the Provincial Emergency Program by telephoning 1-800-663-3456.

Issued: November 30, 1992
Date Amended OCT 3 1 2014

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SECTION 3 – REPORTING REQUIREMENTS

A. MONITORING REQUIREMENTS AND REPORTING

Unless otherwise approved by the District Director prior to any sampling or analysis, all measurements shall be performed by an independent agency in accordance with Metro Vancouver Air Emissions Sampling Program Manual of Methods and Standard Operating Procedures and the BC Ministry of Environment Field Sampling Manual, as they may be amended from time to time. Any variance from these procedures must receive prior approval from the District Director.

A minimum of 3 working days advance notice must be given prior to taking measurements required by this Monitoring and Sampling Program. Notification must be given to the Metro Vancouver Environmental Regulation & Enforcement Division (phone 604-436-6777, Fax 604-436-6707, email regulationenforcement@metrovancouver.org).

Unless otherwise specified, sampling shall be performed under operating conditions representative of the previous 90 calendar days of operation. All field data and calculations must be submitted with monitoring results and they shall be reported in the metric units which are used in this permit. These submissions shall include process data relevant to the operation of the source of the emissions and the performance of the emission control works.

The permit holder shall conduct the following monitoring and sampling and submit electronic reports of the results to the District Director by the dates specified below using a password enabled web based application provided by Metro Vancouver.

EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	PARAMETER(S)	TEST METHOD	REPORT TYPE
01	September 30,	Every 2 years, on or before	The measured discharge rate and	Particulate	Metro	Stack

EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	PARAMETER(S)	TEST METHOD	REPORT TYPE
	2015	September 30 every second year.	concentration of particulate matter, phenol and formaldehyde in the emission. The report shall also detail the ESP and multi-clones operational parameters recorded during the emission survey period. Phenol and formaldehyde will be tested for at the time of the stack test for two consecutive surveys, after which the requirement for further testing will be determined by the presence or absence of the contaminant(s).	Matter, Phenol, Formaldehyde	Vancouver AQ02/02/1.00M, NCASI Test Method CI/WP-98.01	
43	September 30, 2015	Every 2 years, on or before September 30 every second year.	The measured discharge rate and concentration of particulate matter (including condensable particulate matter), nitrogen oxides, sulphur oxides, methane and volatile organic compounds in the emission. The report shall also detail the veneer dryer operating conditions including type of veneer and species dried production rates for the individual veneer dryers (including comparison to normal and/or	Particulate Matter, Total Volatile Organic Compounds, Methane, Nitrogen Oxides, Sulphur Oxides	Metro Vancouver AQ02/02/1.00M, EPA Test Method 202	Stack

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	PARAMETER(S)	TEST METHOD	REPORT TYPE
			typical production rates) together with details of the WESP operational parameters recorded during the emission survey period.			

Issued: November 30, 1992
Date
Amended OCT 3 1 2014

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B. INFORMATION REPORTING REQUIREMENTS

The permit holder shall submit electronic reports containing the required information to the District Director by the dates specified below using a password enabled web based application provided by Metro Vancouver.

EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
01	March 31, 2015	On or before March 31 for each subsequent year.	Written report detailing the types and amounts of fuel burned in the preceding calendar year.	Fuel Use
01, 30, 35, 42, 43, 45	March 31, 2015	On or before March 31 for each subsequent year.	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 Policy and Planning staff for a minimum period of three years.	Operating Period
27	March 31, 2015	On or before March 31 for each subsequent year.	Written report indicating inspection frequency, bag condition and action taken or proposed to solve any problems detected for the baghouse.	Baghouse
37	March 31, 2015	On or before March 31 for each subsequent year.	Written report estimating formaldehyde emissions from the three plywood presses. The estimate is to be based on the most current information available, which may include stationary source test data, resin manufacturer estimates, industry and/or regulatory emission factors and annual raw material consumption/process activity levels. The report should include all related calculations and assumptions used to determine the estimated annual formaldehyde loading. Any process and/or operational changes which contribute to fluctuations in the annual estimate should also be detailed in the report.	Information - Other

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01	March 31, 2015	On or before March 31 for each subsequent year.	Written report summarizing the inspection and maintenance program conducted during the previous calendar year on the electrostatic precipitator (ESP). The report shall include a summary of the scheduled and unscheduled down-time of the unit.	Information - Other
44	March 31, 2015	On or before March 31 for each subsequent year.	A written report detailing the operation of the emergency bypass abort system during the previous calendar year. The report shall detail the calendar date, cause, and duration of veneer dryer abort system activation together with remedial actions taken to mitigate emissions.	Information - Other
Facility	March 31, 2015	On or before March 31 for each subsequent year.	Written report detailing the types and amounts of principle products produced and principal raw materials used in the preceding calendar year.	Materials and Products
Facility	March 31, 2015	On or before March 31 for each subsequent year.	Written report detailing the types, amounts and end use of organic solvents and organic solvent-containing materials used in the preceding calendar year.	Solvent Use
13	March 31, 2015	On or before March 31 for each subsequent year.	A written report detailing the operation of the boiler as an emergency or back up system during the previous calendar year. The report shall detail the calendar date, cause, and duration of the system activation and the amount of natural gas burned.	Information - Other
43	March 31, 2015	On or before March 31 for each subsequent year.	Written report summarizing the inspection and maintenance program conducted during the previous calendar year on the wet electrostatic precipitator (ESP). The report shall include a summary of the scheduled and unscheduled down-time of the unit.	Information - Other

Issued: November 30, 1992
Date Amended OCT 3 1 2014

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C. AMENDED OR ADDITIONAL REQUIREMENTS

Based on the results of the monitoring program, including the stack sampling results or any other information, the District Director may:

1. Amend the monitoring and reporting requirement of any of the information required by this Permit including plans, programs and studies.
2. Require additional investigations, tests, surveys or studies.

Issued: November 30, 1992
Date Amended OCT 3 1 2014

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SECTION 4 – SITE PLAN

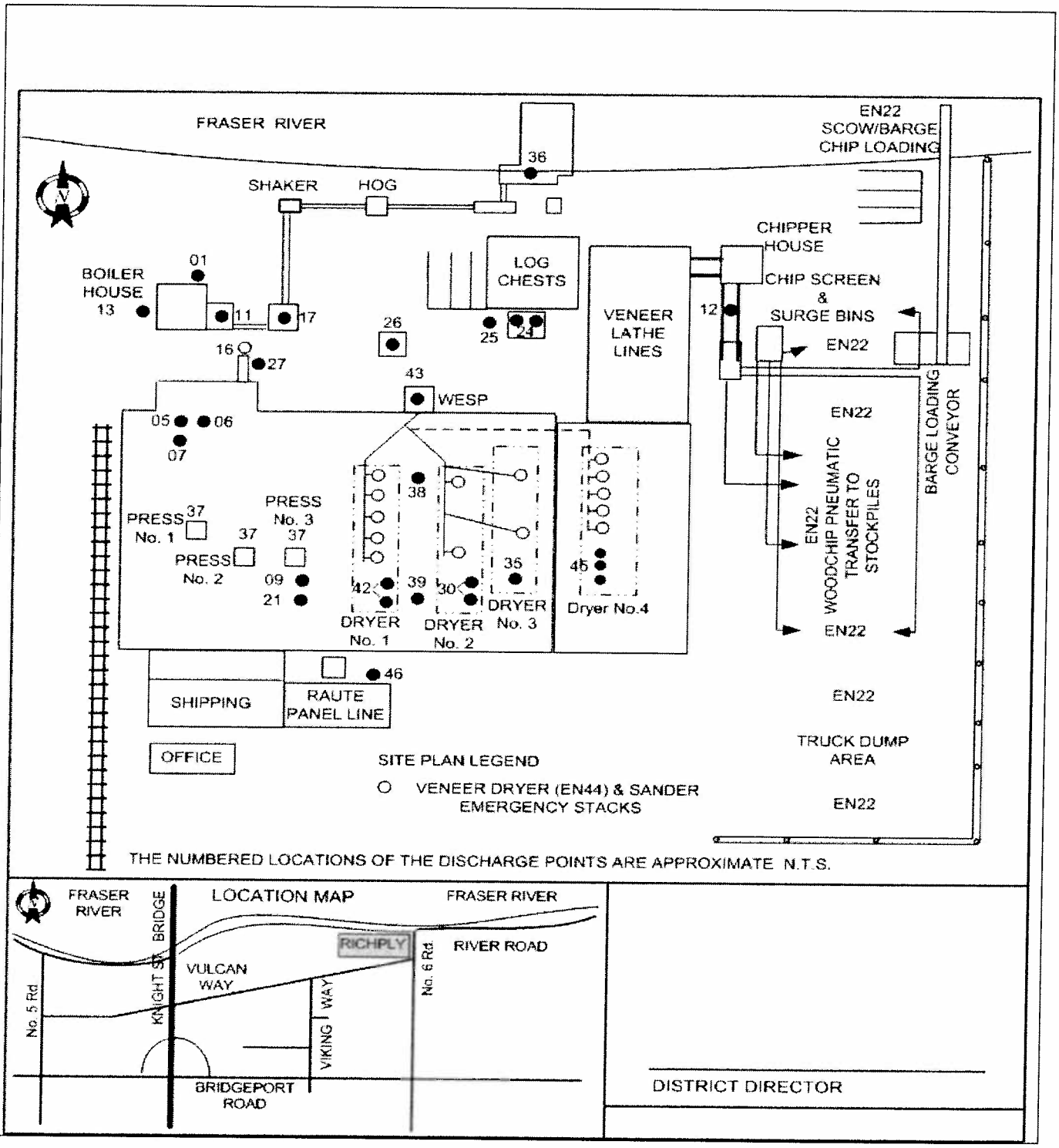
LEGAL DESCRIPTION OF DISCHARGE SITE: **City of Richmond Parcel Identifier: 006-802-648 Lot 52 District Lot 5917 Group 1 and of Sections 17 and 20 Block 5 North Range 5 West New Westminster District Plan 43446**

The following site plan is not to scale and the locations of the discharge points are approximate.

Issued: November 30, 1992
Date Amended OCT 3 1 2014

Kathy Preston, Ph.D., P.Eng.
Assistant District Director

Permit GVA0032



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