



PERMIT GVA0617

Pursuant to:

Greater Vancouver Regional District Air Quality Management Bylaw No. 1082, 2008
and the BC Environmental Management Act, S.B.C 2003, c.53

Issued to:

Richardson International Limited
(the "Permittee")

To Authorize:

the discharge of air contaminants to the air from
A Grain Terminal

Located at:


375 Low Level Road, North Vancouver, BC V7L 1A7

Effective Period:

The terms and conditions set out in the Permit apply to the existing or planned works as of
January 18, 2018 and this permit will expire on November 30, 2025.

All previous versions of this Permit are hereby rescinded and rendered null and void.

Issued: December 19, 1997
Amended: January 18, 2018


R.H. (Ray) Robb, P. Eng.
District Director

METRO VANCOUVER REGIONAL DISTRICT AIR QUALITY MANAGEMENT PERMIT

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: Primary cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **566** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day baghouse (Filter 1), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 02: Primary cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **566** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y


MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 2), manometer, blockage sensor and related appurtenances together with good operating practices.

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EMISSION SOURCE 03: Primary cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **566** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 3), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 04: Primary cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **566** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 4), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 05: Oil seed cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1014** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y


MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 5), manometer, blockage sensor and related appurtenances together with good operating practices.

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EMISSION SOURCE 06: Oil seed cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1014** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 6), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 07: Reclaim cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **714** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 7), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 08: Reclaim cleaners discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1059** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y


MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 8), manometer, blockage sensor and related appurtenances together with good operating practices.

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EMISSION SOURCE 09: Grain receiving system discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1150** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 9), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 10: Workhouse basement discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1005** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 10), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 11: Plant shipping facilities discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1070** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 11), manometer, blockage sensor and related appurtenances together with good operating practices.

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EMISSION SOURCE 12: Plant cleaning floors discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **388** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 12), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 13: New storage bin floor discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **598** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 13), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 14: Old storage bin floor discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **635** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y


MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 14), manometer, blockage sensor and related appurtenances together with good operating practices.

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EMISSION SOURCE 15: Storage basement discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **1070** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 15), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 16: Upper Workhouse discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **986** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 16), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 17: Dust transportation system discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **51** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RJ" baghouse (Filter 17), manometer, blockage sensor and related appurtenances together with good operating practices.

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EMISSION SOURCE 18: East PECO shiploader discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **382** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

Donaldson "RJ" baghouse (Filter 18), manometer, blockage sensor and related appurtenances together with good operating practices during all loading activities.

EMISSION SOURCE 19: West PECO shiploader discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **371** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

Donaldson "RJ" baghouse (Filter 19), manometer, blockage sensor and related appurtenances together with good operating practices during all loading activities.

EMISSION SOURCE 21: Loading of marine vessels at the West shiploader discharging through a Marine Vessel Hold(s).

MAXIMUM EMISSION FLOW RATE: **The rate of discharge is that resulting from the displaced air from loading operations.**

MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y


MAXIMUM CUMULATIVE DAILY THROUGHPUT OF BULK PRODUCTS for ES21 & ES22 IS **40,000** tonnes per day

MAXIMUM CUMULATIVE ANNUAL THROUGHPUT OF BULK PRODUCTS FOR ES21 & ES22 IS **7,500,000** tonnes per year

MAXIMUM EMISSION QUALITY:

1. 20% Opacity.

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WORKS AND PROCEDURES:

Ship's holds. The use of the West PECO ship loader operating under partial vacuum and ventilated to the control equipment described for Emission #19, together with the minimization of drop heights and the use of good operating practices during all loading activities to minimize fugitive dust emissions. Bulk products shall not be loaded unless Emission #19 is in operation.

Personnel conducting opacity surveys of ship loading shall take immediate corrective action if opacity violation or upset conditions are documented as per Fugitive Dust Mitigation Action Plan.

Notification shall be made to Metro Vancouver's 24-hour number: 604-436-6777, or to regulationenforcement@metrovanancouver.org one week in advance of soy loading. Updates are to be provided as necessary.

EMISSION SOURCE 22: Loading of marine vessels at the East shiploader discharging through a Marine Vessel Hold(s).

MAXIMUM EMISSION FLOW RATE: The rate of discharge is that resulting from the displaced air from loading operations.

MAXIMUM ANNUAL OPERATING HOURS: 8760 h/y

MAXIMUM CUMULATIVE DAILY THROUGHPUT OF BULK PRODUCTS for ES21 & ES22 IS 40,000 tonnes per day

MAXIMUM CUMULATIVE ANNUAL THROUGHPUT OF BULK PRODUCTS FOR ES21 & ES22 IS 7,500,000 tonnes per year

MAXIMUM EMISSION QUALITY:

1. 20% Opacity.


WORKS AND PROCEDURES:

Ship's holds. The use of the East PECO ship loader operating under partial vacuum and ventilated to the control equipment described for Emission #18, together with the minimization of drop heights and the use of good operating practices during all loading activities to minimize fugitive dust emissions. Bulk products shall not be loaded unless Emission #18 is in operation.

Personnel conducting opacity surveys of ship loading shall take immediate corrective action if opacity violation or upset conditions are documented as per Fugitive Dust Mitigation Action Plan.

Notification shall be made to Metro Vancouver's 24-hour number: 604-436-6777, or to regulationenforcement@metrovanancouver.org one week in advance of soy loading. Updates are to be provided as necessary.

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EMISSION SOURCE 24: Two truck loading stations each discharging through Dust Suppression Hoppers & truck container(s).

MAXIMUM EMISSION FLOW RATE: The rate of discharge is that resulting from the displaced air from loading operations.

MAXIMUM ANNUAL OPERATING HOURS: 8760 h/y

MAXIMUM DAILY THROUGHPUT OF BULK PRODUCTS IS 280 tonnes per day

MAXIMUM ANNUAL THROUGHPUT OF BULK PRODUCTS IS 24,000 tonnes per year

MAXIMUM EMISSION QUALITY:

1. 20% Opacity.

WORKS AND PROCEDURES:

Truck's container. Enclosure of the workhouse together with good operating practices for the operation of the Dust Suppression Hopper loading spouts.

EMISSION SOURCE 26: Hammer Mill No. 3 and No. 4 discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: 493 m³/min

MAXIMUM ANNUAL OPERATING HOURS: 8760 h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RF" baghouses (Filters 1PP and 2PP), cyclones, manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 27: Ventilation of two Spencer vacuum systems in the Workhouse discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: 46 m³/min


MAXIMUM ANNUAL OPERATING HOURS: 8760 h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

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WORKS AND PROCEDURES:

CEA-Simon-Day "RF" baghouses (Filters 23 and 24), two Spencer vacuum systems and related appurtenances together with good operating practices.

EMISSION SOURCE 28: Pellet Plant discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **436** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

CEA-Simon-Day "RF" baghouse (Filter 20), manometer, blockage sensor and related appurtenances together with good operating practices.

EMISSION SOURCE 29: Cooler - Pellet Plant discharging through a Cyclone Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **311** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 50 mg/m³ Particulate Matter
2. 10% Opacity.

WORKS AND PROCEDURES:

Cyclone (Chicago blower) and related appurtenances together with good operating practices.


EMISSION SOURCE 30: Annex 3 Upper Conveyance discharging through a Baghouse Exhaust(s).

MAXIMUM EMISSION FLOW RATE: **883** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:

1. 20 mg/m³ Particulate Matter
2. 10% Opacity.

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WORKS AND PROCEDURES:

Donaldson RFW baghouse (Filter 21), manometer, blockage sensor and related appurtenances together with good operating practices.

Stack Information:

Height: 47.24 m, 1.27 m (above fan)

Diameter: 1.08 m

Exit Temperature (°C): Ambient

Flow rate (m³/min): 883

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SECTION 2 – GENERAL REQUIREMENTS AND CONDITIONS

A. AUTHORIZED WORKS, PROCEDURES AND SOURCES

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

The District Director must be provided with reasonable notice of any changes to or replacement of authorized works, procedures or sources. Any changes to or replacement of authorized works, procedures or sources must be approved by the District Director in advance of operation. For certainty, this does not include routine maintenance or repair.

The discharge criteria described in Section 1 of this permit are applicable on the issued or last amended date of this permit unless specified otherwise. If a date different to the issued or last amended date is specified, the existing works, procedures and sources must be maintained in good operating condition and operated in a manner to minimize emissions.

B. NOTIFICATION OF MONITORING NON-COMPLIANCE

The District Director must be notified immediately of any emission monitoring results, whether from a continuous emissions monitor or periodic testing, which exceed the quantity or quality authorized in Section 1 of this permit. Notification shall be made to Metro Vancouver's 24-hour number: 604-436-6777, or to regulationenforcement@metrovanancouver.org.

C. POLLUTION NOT PERMITTED

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.

D. BYPASSES


The discharge of air contaminants that have bypassed authorized control works is prohibited unless advance approval has been obtained and confirmed in writing from the District Director.

E. EMERGENCY PROCEDURES

In the event of an emergency or condition beyond the control of the Permittee that prevents effective operation of the authorized works or procedures or leads to unauthorized discharge, the Permittee shall:

1. Comply with all applicable statutory requirements;
2. Immediately notify the District Director of the emergency or condition 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

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3. Take appropriate remedial action for the prevention or mitigation of pollution.

The District Director may specify contingency actions to be implemented to protect human health and the environment while authorized works are being restored and/or corrective actions are being taken to prevent unauthorized discharges.

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.

F. AMENDMENTS


The terms and conditions of this permit may be amended, as authorized by applicable legislation. New works, procedures or sources or alterations to existing works, procedures or sources must receive authorization in advance of operation.

G. STANDARD CONDITIONS AND DEFINITIONS

Unless otherwise specified, the following applies to this permit:

1. Gaseous volumes are corrected to standard conditions of 20 degrees Celsius (°C) and 101.325 kilo Pascals (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% O₂ for natural gas and fuel oil; or
 - 8% O₂ for wood fuel
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 six-minute average in accordance with the United States Environmental Protection Agency (US EPA) Method 9: Visual Determination 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 hours per year and to those periods during which the primary authorized fuel is not available. Fuel oil sulphur content shall not exceed 15 milligrams per kilogram (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 (SO_x) are expressed as Sulphur Dioxide.

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9. Nitrogen Oxides (NO_x) are expressed as Nitrogen Dioxide.
10. The Canadian Council of Ministers of the Environment (CCME) "Environmental Guidelines for Controlling Emissions of Volatile Organic Compounds from Aboveground Storage Tanks (PN1180)" shall be adhered to for all applicable tanks unless otherwise stated in this permit.
11. Authorized 'Maximum Annual Operating Hours' of 8760 hours per year for an emission source is equivalent to authorization for continuous operation of the emission source for an entire calendar year, including leap years.


H. RECORDS RETENTION

All records and supporting documentation relating to this permit must be kept for at least three years after the date of preparation or receipt thereof, and be made available for inspection within 48 hours of a request by an Officer.

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

Air contaminants discharged from any natural gas-fired heating, ventilation or air conditioning system for buildings and any internal combustion engine 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.

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SECTION 3 – REPORTING REQUIREMENTS

A. MONITORING REQUIREMENTS AND REPORTING

Unless otherwise approved in writing 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 written approval from the District Director.

A minimum of 5 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@metrovancover.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 Permittee 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
N/A	N/A	N/A	N/A	N/A	N/A	N/A



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B. INFORMATION REPORTING REQUIREMENTS

The Permittee 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
Facility	March 31, 2018	On or before March 31 for each subsequent year.	Written report providing details of the types and amounts of principal products produced and principal raw materials used in the preceding calendar year, including amounts shipped by vessel and by truck. Detailed records are to be maintained in a format approved by the District Director and made available for inspection by Metro Vancouver staff for a minimum period of three years.	Materials and Products
01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 26, 27, 28, 30	March 31, 2018	On or before March 31 for each subsequent year.	Written report summarizing frequency and results of all inspections and maintenance carried out on the baghouse(s). The report shall also include any actions, taken or proposed, to solve identified problems.	Baghouse
18, 19, 21, 22	March 31, 2018	On or before March 31 for each subsequent year.	Written report providing details of the total number of hours and days operated in the preceding calendar year. Detailed records are to be maintained on site in a format approved by the District Director considerate of operating requirements and made available for inspection by Metro Vancouver staff for a minimum period of three years.	Operating Period




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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
Facility	March 31, 2018	On or before March 31 for each subsequent year.	<p>Written report, referred to as the Fugitive Dust Mitigation Action Plan (FDMAP), summarizing plant site fugitive particulate emission sources and an assessment of overall site operations and actions to minimize the release of fugitive dust emissions from loading activities in the facility. The plan should include but not be limited to: opacity measurement surveys by trained staff, meteorological measurements plus any actions taken such as reducing loading flows when loading dustier products.</p> <p>The plan should be updated annually and include complaint handling protocols, a summary of measures and actions taken, changes in procedures and/or equipment, and recommendations for on-going improvement (considered as part of the normal business planning and budgeting process).</p> <p>Any changes to the plan to minimize fugitive emissions shall be documented and be subject to review by the District Director to determine whether additional actions and procedures are necessary for the protection of human health and the environment.</p>	Information - Other
21, 22, 24	January 31, 2018	Monthly, on or before the last day of each month.	<p>Written report summarizing the daily loading rates in tonnes per day and materials loaded for each source for the preceding calendar month. Detailed records are to be maintained in a format approved by the District Director considerate of operating requirements and made available for inspection by Metro Vancouver staff for a minimum period of three years.</p>	Information - Other


 R.H. (Ray) Robb, P. Eng.
 District Director

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
Facility	December 31, 2018	N/A	<p>Written report of air dispersion modelling of emissions from Richardson International grain terminal in North Vancouver to determine potential ambient impacts from the facility.</p> <p>A dispersion model plan using the current Metro Vancouver Dispersion Modelling Plan as posted on Metro Vancouver website must be submitted no later than June 30, 2018 to the District Director for approval.</p>	Dispersion Model

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.

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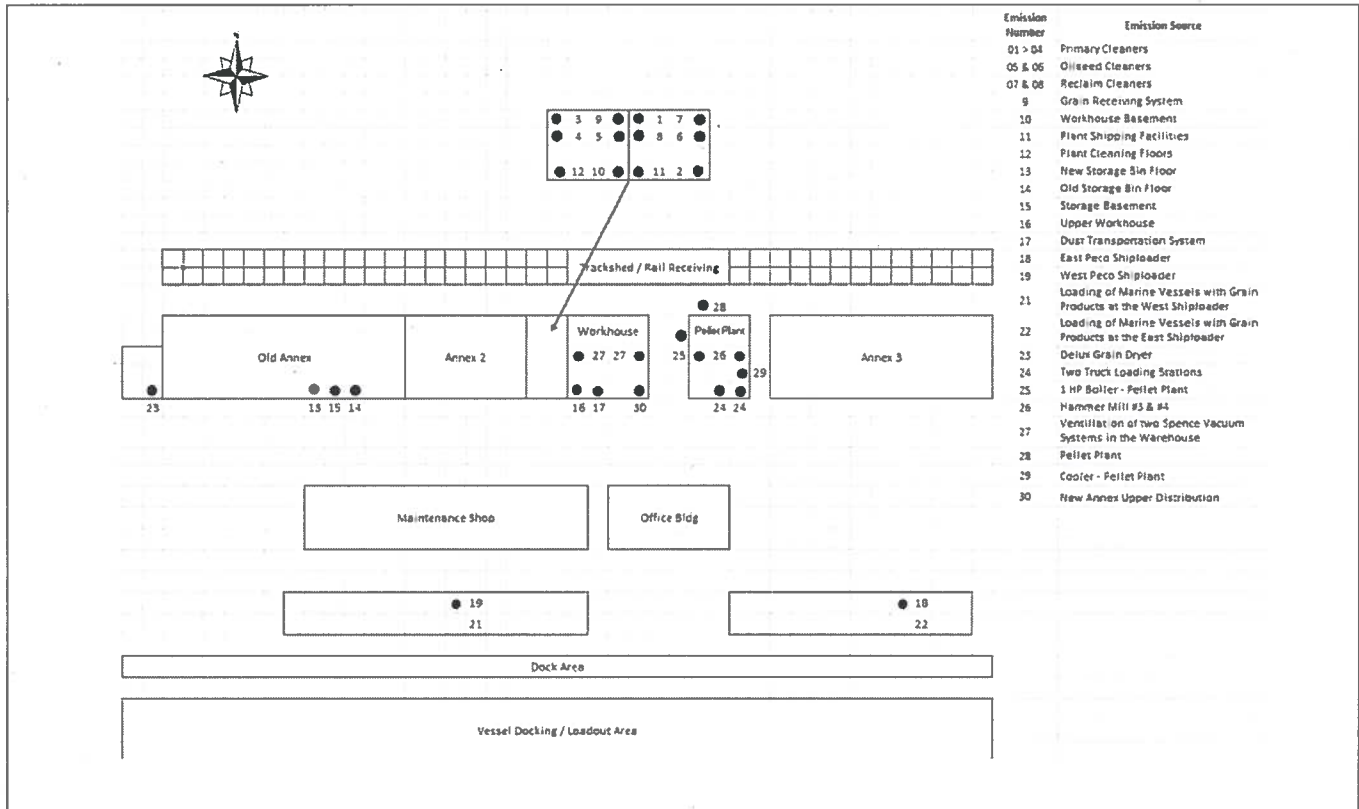
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SECTION 4 – SITE PLAN

LEGAL DESCRIPTION OF DISCHARGE SITE: Port Metro Vancouver Lease Plan No. 2011-073: Richardson International Ltd. lease areas fronting parts of district lots 273 & 274 and part of the bed and foreshore of Burrard Inlet City of North Vancouver. Parcel Areas PCL A, B, C, C, F, F-A, F-B, F-C.

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



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[Signature]
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 District Director

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