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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

PERMIT GVA0248

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:

Fibreco Export Inc.
(the "Permittee")

To Authorize:

the discharge of air contaminants to the air from
a grain and wood pellet storage and shipping facility

Located at:

1209 McKeen Avenue, North Vancouver, BC V7P 3H9

Effective Period:

The terms and conditions set out in the Permit apply to the existing or planned works as of November 18, 2025 and this Permit will expire on July 01, 2036.

All previous versions of this Permit are invalid.

Issued: November 16, 1992
Amended: November 18, 2025

Julie Saxton
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 03: Ship loading fugitive emissions from a ship loader spout 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: **5840** h/y

MAXIMUM EMISSION QUANTITY:
1. 2.4 t/y Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:
1. 20% Opacity - The opacity may exceed 20% for the first 15 minutes of loading activities for each ship hold but must not exceed 40% during this time.

   At all other times during loading activities, the opacity must not exceed 20%.

WORKS AND PROCEDURES:
Maximum Throughput Restrictions:
Maximum daily throughput of grain: 48,000 tonnes of grain per day
Maximum daily throughput of wood pellets: 48,000 tonnes of wood pellets per day
Maximum annual throughput of grain: 2,800,000 tonnes of grain per year
Maximum annual throughput of wood pellets: 2,200,000 tonnes of wood pellets per year

Maximum Drop Height Restriction (at all times*):
1.0 metre (from ship loader spout exit to commodity surface).

*During initial loading of a single hold for the time required to achieve the 1.0 metre drop height the maximum drop height is 10 metres (from ship loader spout exit to commodity surface or bottom of the ship hold). The telescopic spout and chute must remain fully within the ship hold during this time period. All ship holds not currently being loaded must remain closed during all loading activities, unless previously approved in writing by Metro Vancouver.

Works & Procedures:
One Buhler RGLZ Dust Suppressing Telescopic Spout equipped with a deadbox and Buhler FPH-27 spot filters (as authorized in ES37A and ES37B).

Good operating practices for containing and controlling fugitive dust emissions during ship loading operations.

Personnel must conduct opacity surveys during ship loading in accordance with an approved Fugitive Dust Mitigation Action Plan. Surveys must be completed by staff trained as certified visible emission readers as per U.S. EPA Method 9. Records of the opacity surveys must be maintained and available for inspection.

The Permittee must take immediate action to reduce particulate matter emissions if an opacity exceedance is observed during ship loading as per an approved Fugitive Dust Mitigation Action Plan.

The Permittee must immediately notify Metro Vancouver at 604-436-6777 or to EREnotifications@metrovancouver.org of any opacity exceedances or public complaints received during ship loading activities, as per an approved Fugitive Dust Mitigation Action Plan.

SOY LOADING NOTIFICATION:
Notification of soy loading shall be made to Metro Vancouver's 24-hour number: 604-436-6777, or to EREnotifications@metrovancouver.org at least one week in advance. If the Permittee is not aware of soy loading one week in advance, notification must be made as soon as the loading is confirmed.

Wind speed and direction must be monitored continuously and recorded at the plant site during ship loading operations at an approved monitoring station. Data must be provided to Metro Vancouver upon request.

Transfer Point Information:

Height above ground (m): 15.7

Length (m): 7.3 (based on typical marine vessel hold)

Width (m): 7.3 (based on typical marine vessel hold)

EMISSION SOURCE 08: Transfer Tower 15 - Grain transfer from partially enclosed conveyor (CV-15) to outbound shipment partially enclosed conveyor (CV-03) or on-site storage enclosed conveyor (CV-50); pellet transfer from partially enclosed conveyor (CV-15) to on-site storage partially enclosed conveyor (CV-17); pellet shed and shed reclaim discharging through a baghouse located at Transfer Tower 15.

MAXIMUM EMISSION FLOW RATE: **1203** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 8 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
Transfer Tower 15 equipped with a Donaldson Torit Dalamatic Cased baghouse (DLMC 2/4/15) and related appurtenances together with good operating practices.

The baghouse must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any baghouse malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 12.2
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 1.37

EMISSION SOURCE 19: Grain or wood pellet rail car receiving bottom dumper discharging through a baghouse.

MAXIMUM EMISSION FLOW RATE: **794** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 5 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Low-Pressure Reverse (RLP) dust collector (236RLP12) and related appurtenances together with good operating practices.

The baghouse must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available

for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any baghouse malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Receiving:
Rail unloading activities must be conducted within an enclosed building (except for the building entrance and exit). Grain or wood pellet unloading must utilize methods, including but not limited to choke unloading, to minimize the potential for fugitive dust generation.

The receiving hopper must be equipped with gravity actuated pit baffles and dust aspiration to the baghouse. Downdraft air ventilation of the receiving hopper must be maintained at all times during grain or wood pellet receiving activities.

Continuous monitoring of downdraft ventilation, including but not limited to differential pressure monitoring, must be employed in a manner approved in writing by the District Director. Differential pressure readings must be recorded and available for inspection.

Air with entrained dust particles from the receiving hopper must be collected and routed through ducts to the baghouse before exhausting to atmosphere.

Operational Modifications and Event Notifications:
Receiving operations must be curtailed or suspended if dust exceeding 10% opacity is observed exiting the enclosed receiving building as per an approved Fugitive Dust Mitigation and Action Plan.

All incidents of dust exceeding 10% opacity being observed exiting the enclosed receiving building must be reported, in accordance with the Fugitive Dust Mitigation Action Plan, immediately upon awareness by the permittee to the District Director using Metro Vancouver's 24-hour number: 604-436-6777 and/or EREnotifications@metrovancouver.org .

Stack Information:
Height above ground (m): 9.4
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.95

EMISSION SOURCE 20A: Grain transfer point (North) from conveyor (CV-15 [partially enclosed] or CV-65 [enclosed]) onto enclosed conveyor (CV-50) discharging through two cartridge filters.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min

MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filters (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filters must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.8
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 20B: Grain transfer point (South) from conveyor (CV-15 [partially enclosed] or CV-65 [enclosed]) onto enclosed conveyor (CV-50) discharging through two cartridge filters.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filters (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filters must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system

must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.7
Exhaust gas temperature: ambient
Effective diameter at stack stop (m): 0.32

EMISSION SOURCE 21: Grain transfer point from bucket elevator (BE-01) onto enclosed conveyor (CV-51) and displaced air from stationary trippers along enclosed conveyor (CV-51) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 49.5
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 22: Grain transfer point from enclosed conveyor (CV-51) onto enclosed conveyor (CV-52) and displaced air from stationary trippers along enclosed conveyor (CV-52) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1168** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 22, 23, 24, 25 & 26 must not exceed 5840 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 40.5
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 23: Grain transfer point from enclosed conveyor (CV-51) onto enclosed conveyor (CV-53) and displaced air from stationary trippers along enclosed conveyor (CV-53) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1168** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust

2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 22, 23, 24, 25 & 26 must not exceed 5840 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 40.5
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 24: Grain transfer point from enclosed conveyor (CV-51) onto enclosed conveyor (CV-54) and displaced air from stationary trippers along enclosed conveyor (CV-54) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1168** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 22, 23, 24, 25 & 26 must not exceed 5840 hours/year.

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The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 40.5
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 25: Grain transfer point from enclosed conveyor (CV-51) onto enclosed conveyor (CV-55) and displaced air from stationary trippers along enclosed conveyor (CV-55) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1168** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 22, 23, 24, 25 & 26 must not exceed 5840 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

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Stack Information:
Height above ground (m): 40.5
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 26: Grain transfer point from enclosed conveyor (CV-51) onto enclosed conveyor (CV-56) and displaced air from stationary trippers along enclosed conveyor (CV-56) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1168** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 54 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 22, 23, 24, 25 & 26 must not exceed 5840 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 40.5
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 27: Grain transfer point from the silo return enclosed conveyors (CV-60, CV-61, and CV-62) onto enclosed conveyor (CV-65) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 4.8
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 28: Grain transfer point from enclosed conveyor (CV-65) onto enclosed conveyor (CV-66) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and

available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 4.8
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 29: Grain transfer point from enclosed conveyor (CV-66) onto enclosed conveyor (CV-67) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 5 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 9.7
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 30: Grain transfer point from grain silos (#11 - #17) onto enclosed conveyor (CV-60) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1947** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 30, 31, 32, 44 & 45 must not exceed 9735 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 4.0
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 31: Grain transfer point from grain silo #18 to silo #24 onto enclosed conveyor (CV-61) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1947** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 30, 31, 32, 44 & 45 must not exceed 9735 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.4
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 32: Grain transfer point from grain silo #25 to silo #28 onto enclosed conveyor (CV-62) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1947** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 30, 31, 32, 44 & 45 must not exceed 9735 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system

must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.4
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 33: Grain transfer point from enclosed conveyor (CV-50) onto bucket elevator (BE-01) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **97** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (205CHC55-II), AGI VIS Model BE4878-10P bucket elevator and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 12.6
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 34: Grain transfer point from bucket elevator (BE-1) to storage system by bucket elevator (BE-01) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **97** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (205CHC55-II), AGI VIS Model BE4878-10P bucket elevator and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 49.3
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 35: Grain transfer point from the bulkweigher onto partially enclosed conveyor (CV-03) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 5 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (205CHC55-II) and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.9
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 36: **Grain or wood pellet transfer point (S-2) from partially enclosed conveyor (CV-2) onto the shiploader partially enclosed conveyor discharging through a dust collector.**

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
Buhler FPH-27 spot filter and related appurtenances together with good operating practices during loading activities.

The dust collector must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any dust collector malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 22.8
Exhaust gas temperature: ambient

Effective diameter at stack top (m): 0.34

EMISSION SOURCE 37A: Grain or wood pellet transfer point (S-3 East) from the shiploader spout and partially enclosed conveyor into the marine vessel hold discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 20 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
Buhler FPH-27 spot filter and related appurtenances together with good operating practices during loading activities.

The dust collector must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any dust collector malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

SOY LOADING NOTIFICATION:
Notification of soy loading shall be made to Metro Vancouver's 24-hour number: 604-436-6777, or to EREnotifications@metrovancouver.org at least one week in advance. If the Permittee is not aware of soy loading one week in advance, notification must be made as soon as the loading is confirmed.

Stack Information:
Height above ground (m): 19.3
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.34

EMISSION SOURCE 37B: Grain or wood pellet transfer point (S-3 West) from the shiploader spout and partially enclosed conveyor into the marine vessel hold discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 20 mg/m³ Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
Buhler FPH-27 spot filter and related appurtenances together with good operating practices during loading activities.

The dust collector must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any dust collector malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

SOY LOADING NOTIFICATION:
Notification of soy loading shall be made to Metro Vancouver's 24-hour number: 604-436-6777, or to EREnotifications@metrovancouver.org at least one week in advance. If the Permittee is not aware of soy loading one week in advance, notification must be made as soon as the loading is confirmed.

Stack Information:
Height above ground (m): 19.0
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.34

EMISSION SOURCE 38: Wood pellet transfer point from partially enclosed conveyor (CV-17) onto partially enclosed conveyor (CV-71) discharging through a dust collector.

MAXIMUM EMISSION FLOW RATE: **83** m³/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 9 mg/m³ Particulate Matter
2. 10% Opacity

WORKS AND PROCEDURES:
Donaldson Torit Dalamatic Insertable dust collector (DLMV 30/15) and related appurtenances together with good operating practices.

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The dust collector must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection.

Any dust collector malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 22.9
Exhaust gas temperature: ambient
Inside diameter at stack top (m): 0.20

EMISSION SOURCE 39: **Wood pellet transfer point from partially enclosed conveyor (CV-15) onto partially enclosed conveyor (CV-17) discharging through a dust collector.**

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 9 mg/m^3 Particulate Matter
2. 10% Opacity

WORKS AND PROCEDURES:
Donaldson Torit Dalamatic Insertable dust collector (DLMV 30/15) and related appurtenances together with good operating practices.

The dust collector must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection.

Any dust collector malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 13.9
Exhaust gas temperature: ambient
Inside diameter at stack top (m): 0.20

EMISSION SOURCE 40: **Wood pellet transfer point from partially enclosed conveyor to partially enclosed conveyor (CV-5 to CV-4 and CV-6 to CV-5 and CV-71 to CV-72) and unloading or loading of wood pellet silo #1 to silo #6 discharging through a baghouse.**

MAXIMUM EMISSION FLOW RATE: **536** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 9 mg/m^3 Particulate Matter
2. 10% Opacity

WORKS AND PROCEDURES:
Donaldson Torit Dalamatic Cased baghouse (DLMC 2/4/15) and related appurtenances together with good operating practices.

The baghouse must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any baghouse malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 6.1
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.69

EMISSION SOURCE 41: **Wood pellet transfer point between partially enclosed conveyor (CV-17) and partially enclosed conveyor (CV-18) discharging through a dust collector.**

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 9 mg/m^3 Particulate Matter
2. 10% Opacity

WORKS AND PROCEDURES:
Donaldson Torit Dalamatic Insertable dust collector (DLMV 30/15) and related appurtenances together with good operating practices.

The dust collector must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection.

Any dust collector malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 15.0
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.20

EMISSION SOURCE 42: **Wood pellet load out transfer point fugitive emissions from partially enclosed conveyor (CV-4) to partially enclosed conveyor (CV-3) discharging through an opening.**

MAXIMUM EMISSION FLOW RATE: **The authorized rate of discharge is that resulting from carrier air and transfer of wood pellets.**
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUANTITY:
1. 0.99 t/y Particulate Matter

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
Maximum Drop Height Restriction:
1.8 metres

Works & Procedures:
Wood pellets are transferred from partially enclosed conveyor to partially enclosed conveyor. Good operating practices for containing and controlling fugitive dust are to be employed during all loading periods.

During transfers of wood pellets, the drop height must be minimized and not exceed 1.8 metres.

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Personnel must conduct opacity surveys during wood pellet load out activities in accordance with an approved Fugitive Dust Mitigation Action Plan. Surveys must be completed by staff trained as certified visible emission readers as per U.S. EPA Method 9. Records of the opacity surveys must be maintained and available for inspection.

The Permittee must take immediate action to reduce particulate matter emissions if an opacity exceedance is observed during wood pellet load out activities as per an approved Fugitive Dust Mitigation Action Plan.

The Permittee must immediately notify Metro Vancouver at 604-436-6777 or to EREnotifications@metrovancouver.org of any opacity exceedances or public complaints received during wood pellet load out activities, as per the approved Fugitive Dust Mitigation Action Plan.

Wind speed and direction must be monitored continuously and recorded at the plant site during wood pellet load out operations at an approved monitoring station. Data must be provided to Metro Vancouver when requested.

Transfer Point Information:
Height above ground (m): 3.3
Length (m): 4.72
Width (m): 1.4 (based on opening of the conveyor transfer point)

EMISSION SOURCE 43: Wood pellet or grain load out transfer point fugitive emissions from partially enclosed conveyor (CV-3) to partially enclosed conveyor (CV-2) discharging through an opening.

MAXIMUM EMISSION FLOW RATE: **The authorized rate of discharge is that resulting from carrier air and transfer of wood pellets or grain.**
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUANTITY:
1. 2.25 t/y Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
Maximum Drop Height Restriction:
3.1 metres

Works & Procedures:
Wood pellets or grain are transferred from partially enclosed conveyor to partially enclosed conveyor.

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Good operating practices for containing and controlling fugitive dust are to be employed during all loading periods.

During transfers of wood pellets or grain, the drop height must be minimized and not exceed 3.1 metres.

Personnel must conduct opacity surveys during wood pellet or grain load out activities in accordance with an approved Fugitive Dust Mitigation Action Plan. Surveys must be completed by staff trained as certified visible emission readers as per U.S. EPA Method 9. Records of the opacity surveys must be maintained and available for inspection.

The Permittee must take immediate action to reduce particulate matter emissions if an opacity exceedance is observed during wood pellet or grain load out activities as per an approved Fugitive Dust Mitigation Action Plan.

The Permittee must immediately notify Metro Vancouver at 604-436-6777 or to EREnotifications@metrovancouver.org of any opacity exceedances or public complaints received during wood pellet or grain load out activities, as per an approved Fugitive Dust Mitigation Action Plan.

Wind speed and direction must be monitored continuously and recorded at the plant site during wood pellet or grain load out operations at an approved monitoring station. Data must be provided to Metro Vancouver when requested.

Transfer Point Information:
Height above ground (m): 21
Length (m): 2.96
Width (m): 1.8 (based on opening of the conveyor transfer point)

EMISSION SOURCE 44: Grain transfer point from grain silo #11 to silo #17 onto enclosed conveyor (CV-60) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1947** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life

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enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 30, 31, 32, 44 & 45 must not exceed 9735 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 4.0
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 45: Grain transfer point from grain silo #18 to silo #24 onto enclosed conveyor (CV-61) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **1947** h/y

MAXIMUM EMISSION QUALITY:
1. 6 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The combined maximum annual operating hours for Emission Sources 30, 31, 32, 44 & 45 must not exceed 9735 hours/year.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.4
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 46: Grain transfer point from enclosed conveyor (CV-65) onto partially enclosed conveyor (CV-03) bypassing the bulkweigher and discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 5 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), AGI Hi Roller Model 60 Hi Life enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.9
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 47: Direct wood pellet loading from Transfer Tower 15 ("hot load") onto partially enclosed conveyor (CV-03) discharging through a cartridge filter.

MAXIMUM EMISSION FLOW RATE: **83** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUALITY:
1. 5 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
AirLanco Compact Horizontal Cartridge (CHC) filter (204CHC55-II), enclosed belt conveyor and related appurtenances together with good operating practices.

The cartridge filter must be operated with continuous differential pressure monitoring (of the pressure drop across the filter media). Differential pressure monitoring data must be recorded and available for inspection. Alarms for abnormal differential pressures indicated by the control system must be recorded and transmitted to plant personnel for immediate action.

Any cartridge filter malfunction, including, but not limited to abnormal differential pressure readings or indications of broken bags or hopper plugs, must result in the equipment being shut down until repairs can be completed.

Stack Information:
Height above ground (m): 2.9
Exhaust gas temperature: ambient
Effective diameter at stack top (m): 0.32

EMISSION SOURCE 48: Truck unloading for wood pellets onto a harvest grain belt.

MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUANTITY:
1. 0.05 t/y Particulate Matter

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
Maximum Throughput Restrictions: 440 tonnes of products per day (shared between wood pellets and grain).

Wood pellets are unloaded from the bottom of trucks onto a harvest grain belt at two locations, as identified on the Site Plan. Wood pellet unloading must only take place at one location at a time.

Water spray must be applied according to the most recently approved version of the Fugitive Dust Management Plan.

Belt Information:
Length (m): 1.9
Width (m): 0.4
Height above ground (m): 0.2
Maximum drop height (m): 1.0

EMISSION SOURCE 49: **Truck loading spout for wood pellets or grain.**

MAXIMUM ANNUAL OPERATING HOURS: **192** h/y

MAXIMUM EMISSION QUANTITY:
1. 0.02 t/y Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
Maximum Throughput Restrictions: 10,560 tonnes per year (shared between wood pellets and grain).

During loading process, drop height is restricted to minimize fugitive dust. Water spray must be applied according to the most recently approved version of the Fugitive Dust Management Plan.

Dimensions below are for the grains/pellets loading to the trucks:

Belt Information:
Length (m): 16.2
Width (m): 2.6
Spout height above ground (m): 4.0
Maximum drop height (m): 5.0

EMISSION SOURCE 50: **Truck unloading for grain onto a harvest grain belt.**

MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUANTITY:
1. 0.05 t/y Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
Maximum Throughput Restrictions: 440 tonnes of products per day (shared between wood pellets and grain)

Truck bottom discharge to minimize drop height. Water spray must be applied according to the most recently approved version of the Fugitive Dust Management Plan.

Dimensions above are for the harvest grain belt which receives grains/pellets from the bottom of the trucks

Belt Information:
Length (m): 1.9
Width (m): 0.4
Height above ground (m): 0.2
Maximum drop height (m): 1.0

EMISSION SOURCE 51: **Wood pellet transfer from Harvest Grain Belt to Conveyor 15.**

MAXIMUM ANNUAL OPERATING HOURS: **5840** h/y

MAXIMUM EMISSION QUANTITY:
1. 0.05 t/y Particulate Matter

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
Maximum Throughput Restrictions: 440 tonnes of products per day (shared between wood pellets and grain).

Wood pellets are transferred via a spout inserted into Conveyor 15. Fugitive dust must be minimized

in accordance with the most recently approved version of the Fugitive Dust Management Plan.

SECTION 2 – GENERAL REQUIREMENTS AND CONDITIONS

A. POLLUTION NOT PERMITTED

Notwithstanding any conditions in this Permit, no person may 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.

B. AUTHORIZED WORKS, PROCEDURES AND SOURCES

Works and procedures, which this Permit authorizes in order to control the discharge of air contaminants, must be employed during all operating periods of the related sources. The Permittee must 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.

C. NOTIFICATION OF MONITORING RESULTS

The District Director must be notified immediately of:

1. 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;
2. Any interruption of, damage to or interference with any continuous ambient air analyzer, meteorological sensor or related equipment required in Section 1 or Section 3 of this Permit that would cause the continuous ambient air analyzer or meteorological sensor to be offline for a period greater than 48 hours; and
3. Any exceedance of a Metro Vancouver ambient air quality objective measured by an ambient monitoring station required in Section 1 or Section 3 of this Permit.

Notification must be made to Metro Vancouver's 24-hour number: 604-436-6777, or to EREnotifications@metrovancouver.org.

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.

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E. EMERGENCY PROCEDURES

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

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 must be made to Metro Vancouver's 24-hour number: 604-436-6777 or EREnotifications@metrovancouver.org; and
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 must also be reported in accordance with the provisions of the Provincial Emergency Program, including 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% O_2 for natural gas and fuel oil; or
   - 8% O_2 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 must not exceed 15 milligrams per kilogram (mg/kg) and emissions during fuel oil firing must 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.
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)" must 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.
12. Qualified Professional means an individual who:
    a. is registered in British Columbia with a professional association, is acting under that organization's code of ethics, and is subject to disciplinary action by that association, and
    b. through suitable education, experience, accreditation and knowledge, may reasonably be relied on to provide advice within his or her area of expertise, which area of expertise is applicable to the duty or function.

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

Any natural gas-fired heating, ventilation or air conditioning system for buildings and any internal combustion engine located at the discharge site must be maintained and operated in a manner prescribed by the manufacturer to ensure good combustion of the fuel with minimum discharge of air contaminants.

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 must 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 Metro Vancouver, Environmental Regulation & Enforcement (phone 604-436-6777, email EREnotifications@metrovancouver.org).

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

Unless otherwise specified or approved in writing by the District Director, stack sampling must not occur more than 120 calendar days prior to the due dates specified below.

The Permittee must conduct the following monitoring and sampling and submit electronic reports of the results to the District Director by the due dates specified in the following table 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
08, 19, 29, 35, 40	September 30, 2027	Every 3 years, on or before September 30 every third year.	Submit a written report detailing the measured discharge rate and concentration of particulate matter in the emissions.	Particulate Matter	EPA Test Method 5	Stack

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B. INFORMATION REPORTING REQUIREMENTS

The Permittee must submit electronic reports containing the required information to the District Director by the due dates specified in the following table using a password enabled web based application provided by Metro Vancouver.

If there is a requirement for a Qualified Professional, then the most recent version of the "Qualified Professional Declaration of Competency" and "Qualified Professional Conflict of Interest Disclosure Statement" forms, available on the Metro Vancouver website in the Forms Package for Air Permit Applications, must be submitted to Metro Vancouver no later than the reporting requirement due date.

EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
03	January 31, 2026	Quarterly, on or before April 30, July 31, October 31 and January 31 of each year.	Submit a written report summarizing the daily loading rates in tonnes per day and materials loaded for each source for the preceding calendar quarter. Detailed records are to be maintained in a format acceptable to Metro Vancouver staff.	Daily Loading Rates Report Information - Other
Facility	January 31, 2026	On or before January 31 for each subsequent year.	Submit a written report, as per an approved ambient PM monitoring station data report outline, summarizing PM concentrations from the approved ambient PM monitoring station(s) for the previous 12-month period (January 01 to December 31). Monitoring must be conducted as per a monitoring plan approved in writing by the District Director. Until such time as the ambient PM monitoring station(s) is established, this report can consist of a progress report on establishing the station(s).	Ambient PM Monitoring Station Data Report (Annual) Information - Other

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
			The Permittee must provide in advance, an updated report for written approval by the District Director if the Permittee wishes to relocate or otherwise modify a station.	
Facility	January 31, 2026	On or before January 31 for each subsequent year.	Submit a written report, as per an approved meteorological monitoring station data report outline, summarizing wind speed and wind direction measurements from the approved meteorological monitoring station(s) for the previous 12-month period (January 01 to December 31). Monitoring must be conducted as per a monitoring plan approved in writing by the District Director. Until such time as the meteorological monitoring station(s) is established, this report can consist of a progress report on establishing the station(s). The Permittee must provide in advance, an updated report for written approval by the District Director if the Permittee wishes to relocate or otherwise modify a station.	Meteorological Monitoring Station Data Report (Annual) Information - Other
22, 23, 24, 25, 26, 30, 31, 32, 44, 45	January 31, 2026	Quarterly, on or before April 30, July 31, October 31 and January 31 of each year.	Submit a written report providing details of the total number of hours and days operated in the preceding quarter for groups of sources with combined maximum annual operating hours: Conveyor 51 transfer point sources (5) that are authorized to operate a combined total of 5840 h/y. These are ES22, ES23, ES24, ES25 & ES26; Outbound silo conveyor sources (5) that are authorized to operate a	Combined Sources Operating Periods Information -

EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
			combined total of 9735 h/y. These are ES30, ES31, ES32, ES44, ES45. The Q4 report submission (due January 31st) must include a sum (as hours/year) of the combined operating hours for the previous calendar year.	Other
08, 19, 20A, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37A, 38, 39, 40, 41, 20B, 37B, 44, 45, 46, 47	March 31, 2026	On or before March 31 for each subsequent year.	Submit a written report summarizing frequency and results of all inspections and maintenance performed on the dust collector(s). The report must also include any actions, taken or proposed, to solve identified problems.	Dust Collector Report Baghouse
Facility	March 31, 2026	On or before March 31 for each subsequent year.	Submit a written report providing details of the types and amounts (tonnes) of commodities received (rail and truck) and commodities loaded (ship and truck) by month in the preceding calendar year.	Materials and Products Materials and Products
03, 08, 19, 20A, 21,	March 31, 2026	On or before March 31 for each subsequent year.	Submit a written report providing details of the total number of hours and days operated in the preceding calendar year.	Operating Period

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27, 28, 29, 33, 34, 35, 36, 37A, 38, 39, 40, 41, 42, 43, 20B, 37B, 46, 47, 48, 49, 50				Operating Period
Facility	March 31, 2027	N/A	Submit a Facility Conveyor and Material Transfer Upgrade Implementation Schedule Report for review. The Report must be in accordance with the approved Facility Conveyor and Material Transfer Upgrade Plan, and must be acceptable to the District Director.	Facility Conveyor and Material Transfer Upgrade Implementation Schedule Report Information - Other
Facility	June 30, 2027	Every 2 years, on or before June 30 every second year.	Submit for review, comment, and written approval by the District Director a report in accordance with an approved Fugitive Dust Mitigation Action Plan. The report must include a summary of: - results of measures and actions taken to reduce emissions, - complaints received and follow-up actions taken, - changes in procedures and/or equipment, - recommendations for on-going improvement, and - suggested changes to the approved Fugitive Dust Mitigation Action Plan	Fugitive Dust Mitigation Action Report (FDMAR) Information - Other

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			Any proposed changes to the FDMAP shall be subject to review and written approval by the District Director.	
08, 19, 29, 35, 40	July 31, 2027	Every 3 years, on or before July 31 every third year.	Submit a written sampling plan, including proposed methodologies, for review and acceptance by Metro Vancouver staff prior to commencing sampling as required under this permit. After December 31, 2024, if no changes to the previously accepted plan are proposed, written documentation must be provided prior to sampling stating testing will follow the previously approved plan.	Stack Test Sampling Plan Information - Other
Facility	November 30, 2030	N/A	Submit for review, comment, and written approval by the District Director a dispersion modelling plan, developed by a Qualified Professional, using the most recent version of the British Columbia Air Quality Dispersion Modelling Guideline and the most recent version of the Metro Vancouver dispersion modelling plan template. The most recent version of the "Qualified Professional Declaration of Competency" and "Qualified Professional Conflict of Interest Disclosure Statement" forms, available on the Metro Vancouver website in the Forms Package for Air Permit Applications, must be submitted to Metro Vancouver no later than the plan due date.	Dispersion Model Plan Dispersion Model Plan
Facility	September 30, 2031	N/A	Submit for review and comment by Metro Vancouver staff a draft report that includes results of a dispersion modelling assessment of the potential	Draft Dispersion Modelling Report

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			cumulative impacts of air contaminant emissions from the facility. Modelling must be conducted by a Qualified Professional, in accordance with a dispersion model plan approved by the District Director and the most recent version of the British Columbia Air Quality Dispersion Modelling Guideline. All modelling files must be made available to Metro Vancouver upon request. The most recent version of the "Qualified Professional Declaration of Competency" and "Qualified Professional Conflict of Interest Disclosure Statement" forms, available on the Metro Vancouver website in the Forms Package for Air Permit Applications, must be submitted to Metro Vancouver no later than the report due date.	Dispersion Model Report
Facility	November 30, 2031	N/A	Submit for written approval by the District Director a final report that includes results of a dispersion modelling assessment of the potential cumulative impacts of air contaminant emissions from the facility. Modelling must be conducted by a Qualified Professional, in accordance with a dispersion model plan approved by the District Director and the most recent version of the British Columbia Air Quality Dispersion Modelling Guideline. The final report must address all comments from Metro Vancouver staff on the draft dispersion modelling report. All final modelling files must be made available to Metro Vancouver upon request. The most recent version of the "Qualified Professional Declaration of	Final Dispersion Modelling Report Dispersion Model Report

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			Competency" and "Qualified Professional Conflict of Interest Disclosure Statement" forms, available on the Metro Vancouver website in the Forms Package for Air Permit Applications, must be submitted to Metro Vancouver no later than the report due date.	
Facility	February 29, 2032	N/A	Submit for review, comment and written approval by the District Director a Technology Assessment Plan for assessing control technologies that will reduce emissions from the facility. A Qualified Professional with demonstrable experience in grain and wood pellet handling facilities emission control technologies must prepare the plan. The plan must include the proposed scope of the technology assessment, an outline or annotated table of contents for the Technology Assessment Report and the methodologies that will be used to: - Identify emission control technology options - Quantify emission reductions - Quantify capital and operating costs - Assess the feasibility of implementation - Rank the potential control technologies The most recent version of the "Qualified Professional Declaration of	Technology Assessment Plan Information - Other

EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE
			Competency" and "Qualified Professional Conflict of Interest Disclosure Statement" forms, available on the Metro Vancouver website in the Forms Package for Air Permit Applications, must be submitted to Metro Vancouver no later than the plan due date.	
Facility	September 30, 2032	N/A	Submit a written Technology Assessment Report for review, comment and written approval by the District Director. The report must be completed in accordance with the approved Technology Assessment Plan. The report must include: - Detailed methodology section including criteria used to assess and rank the control technology options - Review of all emission control technology options that were assessed for each emission source - Detailed discussions on application, performance and limitations - Feasibility: Infrastructure considerations including approximate costs and timelines for implementation - Proposed emission limits based on implementation of the preferred technologies - Implementation plan	Technology Assessment Report Information - Other

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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.

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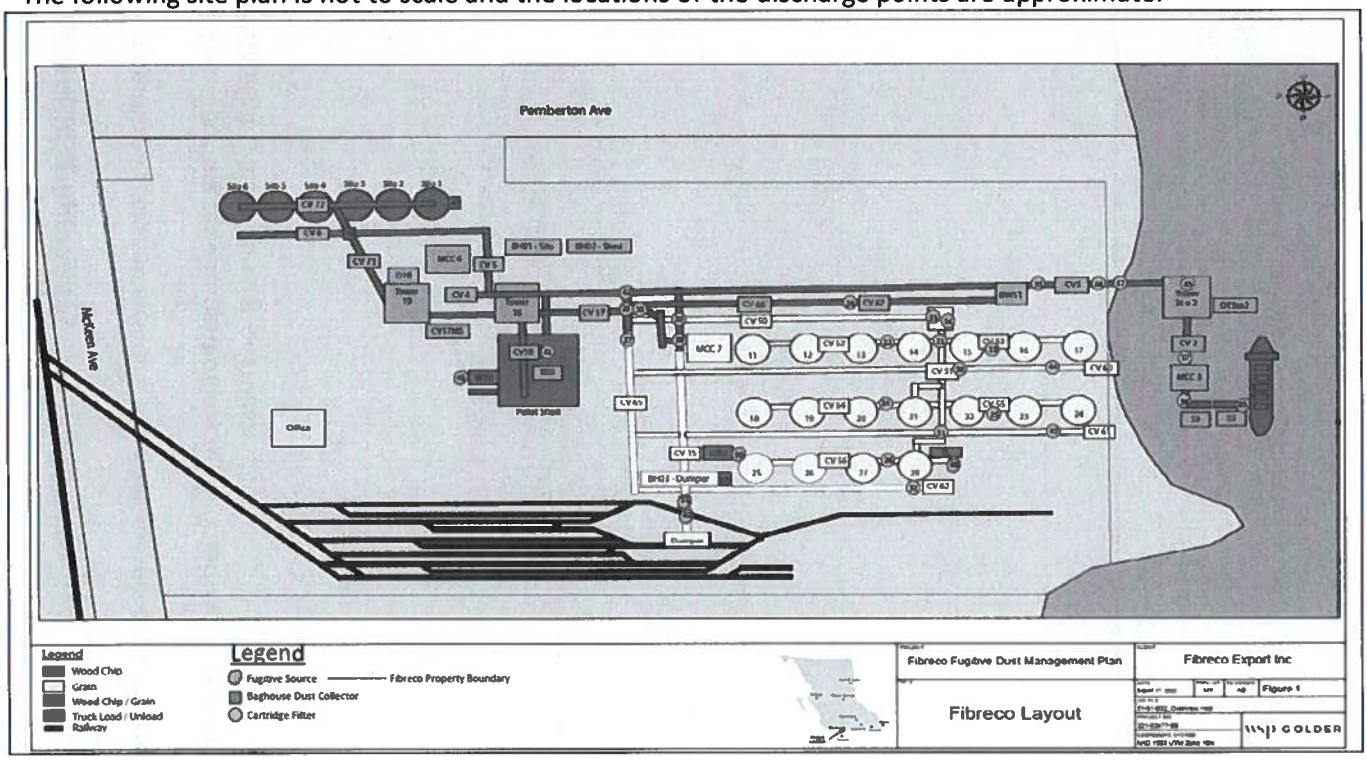
SECTION 4 – SITE PLAN

LEGAL DESCRIPTION OF DISCHARGE SITE: **The land from which the air contaminants are discharged is " Municipality of North Vancouver parcel identifier: 007-275-935 Lot "B" Block 28 District Lot 266 And of The Bed and Foreshore of Burrard Inlet Plan 17505."**

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



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