metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

PERMIT GVA1167

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:

Fraser Grain Terminal Ltd.
(the "Permittee")

To Authorize:

the discharge of air contaminants to the air from
grain export facility

Located at:

11041 Elevator Road, Surrey, BC V3V 2R8

Effective Period:

The terms and conditions set out in the Permit apply to the existing or planned works as of July 30, 2026 and this Permit will expire on October 31, 2041.

Issued: July 30, 2026

Kathy Preston, PhD, PEng
District Director

SECTION 1 – AUTHORIZED EMISSION SOURCES

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

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

EMISSION SOURCE 01: **DC01, Rail Receiving Dust System discharging through a Baghouse Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **595** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:
1. 5.7 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 01 is only valid if the AIRLANCO 188MP10 Style III Baghouse Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack Height above ground level: 3.94 m
Cross-Section: Circular
Stack Diameter at stack top: 0.86 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 02: **DC02, Receiving Transfer Tower Reclaim Dust System discharging through a Baghouse Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **365** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:
1. 5.7 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

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WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 02 is only valid if the AIRLANCO 124MP8 Style III Baghouse Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 3.94 m
Cross-Section: Circular
Stack diameter at stack top: 0.66 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 03: DC03, Truck and Container Loadout Dust System discharging through a Baghouse Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **116** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:
1. 5.7 mg/m^3 Coarse particulate matter containing soy dust
2. 10% Opacity

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 03 is only valid if the AIRLANCO 64MP8 Style III Baghouse Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 3.94 m
Cross-Section: Circular
Stack diameter at stack top: 0.41 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 04: DC04, Belt Conveyor 02 (BC02) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 04 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 52.1 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 05: DC05, Belt Conveyor 03 (BC03) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 05 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

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EMISSION SOURCE 06: **DC06, Belt Conveyor 04 (BC04) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 06 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 07: **DC07, Belt Conveyor 05 (BC05) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 07 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

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Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 08: DC08, Belt Conveyor 06 (BC06) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 08 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 09: DC09, Belt Conveyor 07 (BC07) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

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WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 09 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 10: **DC10, Belt Conveyor 08 (BC08) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 10 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 11: **DC11, Belt Conveyor 09 (BC09) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 11 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 12: DC12, Belt Conveyor 10 (BC10) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 12 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

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EMISSION SOURCE 13: DC13, Belt Conveyor 11 (BC11) discharging through a Cartridge Dust Collector (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 13 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 14: DC14, Belt Conveyor 12 (BC12) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 14 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

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Stack height above ground level: 46.6 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 15: DC15, Mid Tower Transfer Belt Conveyor 19 (BC19) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 15 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 26.2 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 16: DC16, Belt Conveyor 20 (BC20) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **42.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

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WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 16 is only valid if the AIRLANCO 203CHC28 Style III Cartridge Filter and related appurtenances (as applied for by the permittee) are installed and operational.

Stack height above ground level: 35.1 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.19 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 17: **BH01, Belt Conveyor 21 Head (BC21) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **226.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 17 is only valid if the AAF OptiFlo Compact 2RC8 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 30.5 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.40 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 18: **BH02, Belt Conveyor 21 Tail (BC21) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **113** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 18 is only valid if the AAF OptiFlo Compact 2RC4 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 30.5 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.32 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 19: BH03, Belt Conveyor 22 Head (BC22) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **226.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 19 is only valid if the AAF OptiFlo Compact 2RC8 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 30.5 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.40 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 20: BH04, Belt Conveyor 22 Tail (BC22) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **113** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 20 is only valid if the AAF OptiFlo Compact 2RC4 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 30.5 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.32 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 21: BH05, Belt Conveyor 23 to Ship Loader #1 Cascade Chute (BC23) discharging through a Dust Collector (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **226.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 21 is only valid if the AAF OptiFlo Compact 2RC8 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

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Stack height above ground level: 24.4 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.40 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 22: BH06, Belt Conveyor 24 to Ship Loader #2 Cascade Chute (BC24) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **226.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 22 is only valid if the AAF OptiFlo Compact 2RC4 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 24.4 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.40 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 23: BH07, Belt Conveyor 25 to Ship Loader #3 Cascade Chute (BC25) discharging through a Cartridge Dust Collector Exhaust (as applied for by the Permittee).

MAXIMUM EMISSION FLOW RATE: **226.5** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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

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WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 23 is only valid if the AAF OptiFlo Compact 2RC8 Cartridge Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 24.4 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.40 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 24: **DC24, Plant Vacuum discharging through a Baghouse Exhaust (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **10.2** m^3/min
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

MAXIMUM EMISSION QUALITY:
1. 15 mg/m^3 Coarse particulate matter containing soy dust
2. 5% Opacity

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 24 is only valid if the AIRLANCO 12AVR6 Style III Baghouse Filter and related appurtenances (as applied for by the Permittee) are installed and operational.

Stack height above ground level: 6.3 m
Cross-Section: Non-Circular
Effective diameter at stack top: 0.22 m
Orientation: Horizontal
Minimum Exit Temperature: Ambient
Rain Cap: No

EMISSION SOURCE 26: **Rail Receiving Pit (as applied for by the Permittee) discharging from the Receiving Hopper (as applied for by the Permittee).**

MAXIMUM EMISSION FLOW RATE: **The rate of discharge is that resulting from the displaced air from unloading operations.**
MAXIMUM ANNUAL OPERATING HOURS: **8760** h/y

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MAXIMUM EMISSION QUANTITY:
1. 0.64 t/y Coarse particulate matter containing soy dust
2. 7.7 kg/day Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:
1. 5% Opacity

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 26 is only valid if the receiving hopper and related appurtenances (as applied for by the Permittee) are installed and operational and operated in accordance with the most recently approved Fugitive Dust Mitigation Action Plan, and EMISSION SOURCE 01 is in operation as authorized.

EMISSION SOURCE 27: **Container/Bulk Loading (as applied for by the Permittee) discharging through Transfer Point(s) (as applied for by the Permittee).**

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 EMISSION QUANTITY:
1. 0.54 t/y Coarse particulate matter containing soy dust
2. 10.3 kg/day Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:
1. 10% Opacity

WORKS AND PROCEDURES:
The authorization of discharge of air contaminants from EMISSION SOURCE 27 is only valid if the Dust Suppression Hopper (DSH) for truck loading or fixed spouts for container loading and related appurtenances (as applied for by the Permittee) are installed and operational and operated in accordance with the most recently approved Fugitive Dust Mitigation Action Plan, and EMISSION SOURCE 03 is in operation as authorized.

EMISSION SOURCE 28: **Marine Vessel Hold(s) (as applied for by the Permittee) discharging through Marine Vessel Holds (as applied for by the Permittee).**

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

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MAXIMUM EMISSION QUANTITY:

1. 5.68 t/y Coarse particulate matter containing soy dust
2. 80.6 kg/day Coarse particulate matter containing soy dust

MAXIMUM EMISSION QUALITY:

1. 20% Opacity

WORKS AND PROCEDURES:

Only one telescopic Cleveland Cascade Chute Ship Loader is authorized to operate at any one time (as applied for by the Permittee) and are described as follows:

The authorization of the discharge of air contaminants from the marine vessel holds is only valid if Ship Loader #1 telescopic Cleveland Cascade Chute and related appurtenances (as applied for by the Permittee) are installed and operational, and operated in accordance with the most recently Fugitive Dust Mitigation Action Plan, and EMISSION SOURCE 21 is in operation as authorized or,

The authorization of the discharge of air contaminants from the marine vessel holds is only valid if Ship Loader #2 telescopic Cleveland Cascade Chute and related appurtenances (as applied for by the Permittee) are installed and operational, and operated in accordance with the most recently approved Fugitive Dust Mitigation Action Plan, and EMISSION SOURCE 22 is in operation as authorized or,

The authorization of the discharge of air contaminants from the marine vessel holds is only valid if Ship Loader #3 telescopic Cleveland Cascade Chute and related appurtenances (as applied for by the Permittee) are installed and operational, and operated in accordance with the most recently approved Fugitive Dust Mitigation Action Plan, and EMISSION SOURCE 23 is in operation as authorized.

Personnel must conduct opacity surveys during ship loading in accordance with the most recently 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 the approved Fugitive Dust Mitigation Action Plan.

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

Notification must be made to regulationenforcement@metrovancouver.org one week in advance of soy loading. Updates are to be provided as necessary.

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SECTION 2 – GENERAL REQUIREMENTS AND CONDITIONS

A. DISCHARGE CRITERIA

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.

B. NOTIFICATION OF MONITORING NON-COMPLIANCE

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.

The Permittee must then:

1. Take corrective action
2. Document it
3. Let Metro Vancouver know, in writing, what corrective action was taken, within 24 hours of taking the action

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

C. 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*.

D. BYPASSES

The discharge of air contaminants that exceed discharge limits as a result of a control works bypass 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 leads to unauthorized discharge, the Permittee must:

1. Comply with all applicable statutory requirements;

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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 corrective actions are being taken to prevent unauthorized discharges.

If an emergency situation results in a "spill" as defined in the Environmental Management Act, the spill must also be reported to Provincial Emergency Program (PEP) British Columbia by calling 1-800-663-3456 and the Permittee must otherwise comply with requirements of the Act and the Spill Reporting Regulation.

F. AMENDMENTS

The terms and conditions of this Permit may be amended, as authorized by applicable legislation.

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.

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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)" must be adhered to for all applicable tanks unless otherwise stated in this Permit.
11. 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

This Permit is only valid if natural gas-fired heating, ventilation or air conditioning systems for buildings and any internal combustion engines located at the discharge site are 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 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/TITLE
01, 02, 03	March 31, 2027	Every 2 years, on or before March 31 every second year.	Submit a written report detailing the measured discharge rate and concentration of particulate matter in the emission. Sampling must be completed in accordance with an accepted Stack Test Sampling Plan.	Coarse particulate matter containing soy dust	EPA Test Method 5, Those approved by the District Director	Baghouse stack test report Stack
15	March 31, 2027	Every 2 years, on or before March 31 every second year.	Submit a written report detailing the measured discharge rate and concentration of particulate matter in the emission. Sampling must be completed in accordance with an accepted Stack Test Sampling Plan.	Coarse particulate matter containing soy dust	Those approved by the District Director, EPA Test Method 5	Dust collector stack test report 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/TITLE
Facility	September 30, 2026	N/A	Submit for review, comment and written approval by the District Director a written report, referred to as the Fugitive Dust Mitigation Action Plan (FDMAP), summarizing site fugitive particulate emission sources and an assessment of overall site operations and actions to minimize the release of fugitive dust emissions from receiving and loading activities in the facility. The plan should include but not be limited to: - procedures for operating ES26, ES27 and ES28, - procedures for conducting opacity surveys by trained staff, - procedures for monitoring fugitive dust levels, including by whom, - action levels and associated mitigation measures, - actions to be taken such as reducing loading flows when loading dustier products, and - complaint handling protocols. Any proposed changes to the FDMAP must be submitted for review, comment, and written approval by the District Director.	Fugitive Dust Mitigation Action Plan Information - Other

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE/TITLE
01, 02, 03, 15	September 30, 2026	Every 2 years, on or before September 30 every second year.	Submit a written sampling plan, including proposed methodologies, for review and written acceptance by Metro Vancouver staff prior to commencing sampling as required under this permit. For subsequent sampling plan submissions and if there are no changes in the proposed sampling methods from the previously accepted sampling plan, then a written submission advising Metro Vancouver that the previously accepted sampling plan will be followed is required.	Stack Test Sampling Plan Stack Test Plan
27, 28, 26	October 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, materials loaded, and an estimate of daily emissions using the calculations noted below for each source for the preceding calendar quarter. Detailed records are to be maintained in a format acceptable to the District Director and made available for inspection by Metro Vancouver staff. The methodology used to estimate Coarse particulate matter containing soy dust emissions must be based on EPA AP-42, 59.9.1, Table 9.9.1-1 for Grain Shipping. ES26 - Emission Rate - Coarse particulate matter containing soy dust - Grain Receiving - Railcar, where % Control Efficiency (CE) =99: Annual throughput t/y x 0.016 kg PM/t throughput x (1-%CE/100) x t/1000kg = Annual Emission t/y Daily throughput t/d x 0.016 kg PM/t throughput x (1-%CE/100) t/1000kg = Daily Emission t/d	Daily Emissions and Loading Rates Report Information - Other

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE/TITLE
			ES27 - Emission Rate - Coarse particulate matter containing soy dust - Grain Shipping - Truck, where %(CE) =98: Annual throughput t/y x 0.043 kg PM/t throughput x (1-%CE/100) x t/1000kg = Annual Emission t/y Daily throughput t/d x 0.043 kg PM/t throughput x (1-%CE/100) x t/1000 kg = Daily Emission t/d ES28 - Emission Rate - Coarse particulate matter containing soy dust - Grain Shipping - Ship, where %CE=93: Annual throughput t/y x 0.024 kg/t throughput x (1-%CE/100) x t/1000 kg = Annual Emission t/y Daily throughput t/d x 0.024 kg/t throughput x (1-%CE/100) x t/1000 kg = Daily Emission t/d	
04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 01, 02, 03, 24	March 31, 2027	On or before March 31 for each subsequent year.	Submit a written report summarizing the frequency and results of all inspections and maintenance performed on the baghouses and dust collectors. The report must also include any actions, taken or proposed, to solve identified problems with the baghouses and dust collectors.	Baghouse and Dust Collector Report Baghouse

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE/TITLE
Facility	March 31, 2027	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), commodities loaded (ship), commodities loaded (truck), commodities loaded (container) by month in the preceding calendar year (Information provided is used for regional emissions assessment and regulation).	Annual Material and Products Report Materials and Products
01, 27, 28, 02, 03, 21, 22, 23, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 24, 26	March 31, 2027	On or before March 31 for each subsequent year.	Submit a written report providing details of the total number of hours and days of emission discharge in the preceding calendar year. Detailed records are to be maintained in a written format acceptable to the District Director and made available for inspection by Metro Vancouver staff.	Annual Operating Period Report Operating Period
Facility	March 31, 2027	On or before March 31 for each subsequent year.	Submit a written report providing an update on the implementation of the most recently approved Fugitive Dust Mitigation Action Plan (FDMAP). The report must include a summary of: - measures and actions taken, - complaint response and follow-up, - changes in procedures and/or equipment, - any proposed changes to the FDMAP, and - recommendations for on-going improvement (considered as part of the normal business planning and budgeting process).	Fugitive Dust Mitigation Action Plan Report Information - Other

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE/TITLE
01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, Facility	May 31, 2039	N/A	Submit for review, comment, and written approval by the District Director a scope of work, prepared by a Qualified Professional, to conduct a review of advancements in control technologies for grain handling facilities and an assessment of whether the technologies installed at the Facility could be improved. The scope of work must include an outline or annotated table of contents for the Control Technology Review Report and must also include methodologies that will be used to: - identify potential control technologies, - assess effectiveness, - quantify emission reductions, - identify environmental and community impacts, - quantify capital and operating costs, - assess the feasibility of implementation, and - rank the potential control technologies. At a minimum, the scope of work must include a review of the ship loader, truck and container loader, rail car unloading, and baghouse and cartridge filter sources used for the control of particulate matter.	Control Technology Review Scope of Work Control Technology Review
01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15,	May 31, 2040	N/A	Submit for review, comment, and written approval by the District Director a report completed in accordance with the approved Control Technology Review Scope of Work.	Control Technology Review Report

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EMISSION SOURCE	INITIAL DUE DATE	SUBSEQUENT DUE DATES	REQUIREMENT	REPORT TYPE/TITLE
16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, Facility			The report must be prepared by a Qualified Professional and must include, for all emission sources, an assessment of whether the control technologies are still considered the best available. If emission controls for any source are no longer considered the best available, the report must include information on the feasibility, approximate cost, and effectiveness of recommended best available methods and control systems. The methodology used to assess and rank technologies must be clearly described.	Control Technology Review

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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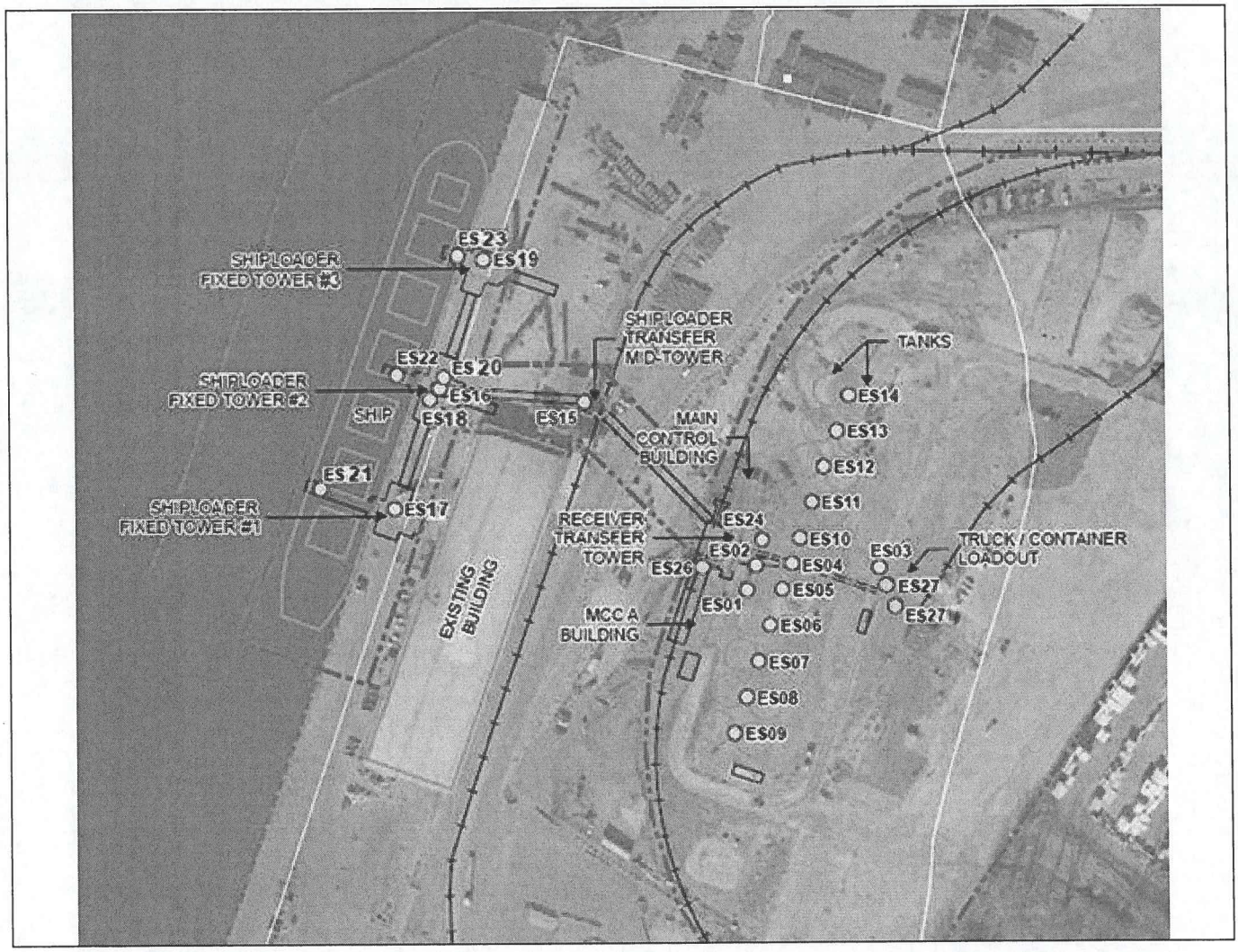
SECTION 4 – SITE PLAN

LEGAL DESCRIPTION OF DISCHARGE SITE: **LOT 4 SECTION 34 BLOCK 5 NORTH RANGE 3 WEST NEW WESTMINSTER DISTRICT PLAN LMP29318 and PARCEL L REFERENCE PLAN 6744 SECTIONS 34 AND 35 BLOCK 5 NORTH RANGE 3 WEST EXCEPT: PID 000-725-234**
FIRSTLY: PART ON CROWN GRANT 136463E; SECONDLY: PARCEL M REF PLAN 24820 NWD.
Legal description of location of ship loader at DPW Fraser Surrey: PID 023-512-547
LOT 4 SECTION 34 BLOCK 5 NORTH RANGE 3 WEST NEW WESTMINSTER DISTRICT PLAN LMP29318 and a PORTION OF THE BED AND FORESHORE OF THE FRASER RIVER FRONTING LOT 4.

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



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