

Univar

North Vancouver

Summary of Levelton 2014 Report

March 22, 2019



Background

Air assessment report commissioned as part of the T12001 Repurpose Project per Port of Vancouver permit requirements

A baseline of the site's air emissions was required to include overall supply chain emissions within certain boundaries be included (rail, truck, ship)

Air emissions from processes were well known, but surrounding areas were less understood prior to report's findings

Univar's Greenhouse Gas & CAC Emissions

Greenhouse gases (GHG) – carbon based emissions, primarily CO₂, that are not toxic but contribute to global warming by contributing to the greenhouse effect of trapping heat in the earth's atmosphere

Criteria Air Contaminants (CACs) – these emissions are not greenhouse gases but are other air pollutants that can cause smog, acid rain and other problems when not controlled

Univar's Greenhouse Gas & CAC Emissions

GHG emissions primarily come from supply chain:

- Railcars
- Trucks
- Ships
- Barges

The report considered emissions from these sources as part of the site's baseline number. Guidelines as follows:

Trucks: From Univar to the Second Narrows Bridge

Rail: From Univar to the Lynn Creek Yard

Marine: From Univar to the edge of the Burrard Inlet

Univar's Greenhouse & CAC Gas Emissions (cont'd)

Other sources of GHG & CAC emissions:

Non-road vehicles – for our site, this is from one forklift

Facility process sources – include product storage and transfers, combustion sources and electricity use

Univar's Greenhouse Gas & CAC Emissions (cont'd)

	GHG (tonnes/yr)	CACs (tonnes/yr)
Rail	163	5.35
Truck	3.8	0.04
Marine	1415	23.1
Non-road equipment	2.5	0.25
Facility Process Sources	26.9	0.03
Total	1611.2	28.8

Data from 2013

