# AIR QUALITY

**SPRING 2022**

The Province of British Columbia, through the **BC Environmental Management Act**, has delegated the regulation of air emissions in the Lower Mainland to **Metro Vancouver** who are responsible for policies, bylaws and permits. Air emission bylaws and permits are supported by a comprehensive network of fixed and mobile air quality monitoring stations throughout the airshed.

Under Metro Vancouver's Air Quality Management Bylaw No. 1082, a **permitting system** is used to manage air emissions from large industrial and commercial emitters.


## Vancouver Drydock Air Permit

In 2017, Vancouver Drydock applied to Metro Vancouver for an air emissions permit for the existing operations. Since that time, Vancouver Drydock has been and continues to actively work with Metro Vancouver to scope the parameters of the air permit and establish baseline metrics. Once approved by Metro Vancouver, Vancouver Drydock will be the first dedicated ship repair facility included in Metro Vancouver's permit registry.

The permit will define the type and quantities of air contaminants that can be released while minimizing the impact on public health and the environment and help Metro Vancouver reach its air quality objectives. The permit will regulate volatile organic compounds (VOC), metals and particulate emissions from on-site emission sources. Emission sources include the two existing floating drydocks, a surface preparation shed and a paint shed.

seaspan SHIPYARDS

Should the proposed water lot project be approved, the air permit will be amended to also include the new drydocks and work pontoon.

The types of activities and emissions from the proposed additional drydocks will be identical to the activities applied for in the 2017 air permit application. It is anticipated that the annual emission rates in the pending Metro Vancouver permit will be sufficient to accommodate the new proposed drydocks.

## Air Quality Initiatives

Since applying for an air permit, Vancouver Drydock has completed a number of air quality improvement initiatives, including:

- Transitioned from grit sandblasting to ultra-high pressure (UHP) water surface preparation to reduce the potential for dust emissions.
- Adopted low carbon electrification of on-site equipment to reduce greenhouse gases.
- Using low volatile organic compound (VOC) paints, where practical.
- Using high efficiency paint spray nozzles.

## Monitoring and Reporting

Particulate emissions monitoring is anticipated to be part of the Metro Vancouver air quality permit. An annual report will summarize results from the previous calendar year compared against the permit criteria and will be made available to the public through Metro Vancouver's website and on the Vancouver Drydock website.