

Notice of Alteration Detailed Report

Carbon Adsorption Bed Installation



Pfizer Global Supply – Brandon, a Division of Pfizer Canada ULC.

720 17th Street East

Brandon, Manitoba

30-Jan-20

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1.0 Executive Summary

This Notice of Alteration (NoA) Detailed Report proposal is filed as part of the NoA application in accordance with Section 14(1) of *The Environment Act* for the Pfizer Canada ULC facilities located at 720-17th Street East, Brandon, Manitoba.

Pfizer intends to install a carbon adsorption bed for Plant A to reduce volatile organic compound (VOC) emissions and the notice of alteration is to inform Manitoba Sustainable Development of the project. There will be no change to the manufacturing process, type or quantity of product produced with this alteration. The installation of a carbon adsorption bed strictly reduces VOC emissions.

2.0 Carbon Adsorption Bed Proposal

The current end-of-line (EOL) condenser provides effective control of vapours for the VOCs used in Plant A. Pfizer intends to further reduce emissions with the installation of a carbon adsorption bed. The VOC emissions will pass through the EOL condenser system and then through the carbon adsorption bed. As the VOC emissions pass through the carbon unit, molecules of VOCs will accumulate on the surface of the carbon. The resulting exhaust emissions from the carbon adsorption bed will have trace amounts of VOCs.

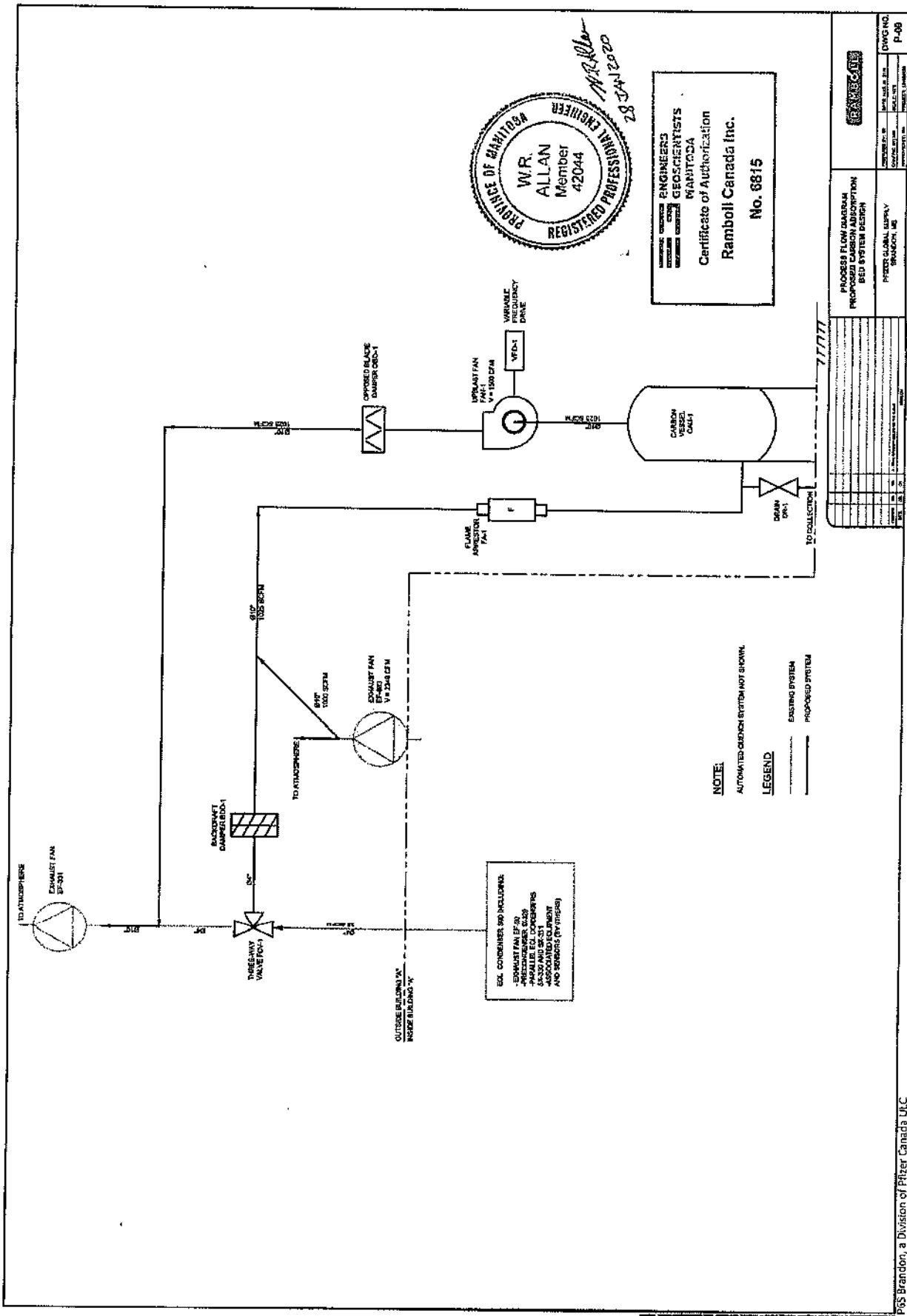
The carbon adsorption bed will be located at ground-level on the exterior of Plant A. The vent location will be the existing Plant A exhaust fan. New ductwork from the outlet of the carbon adsorption unit will be installed to route the outlet gas stream back to the existing process vent stream.

A schematic of this arrangement is provided in Appendix A.

Appendix A

Process Flow Diagram of Proposed Carbon Adsorption Bed

Appendix A



ENGINEERS
GEOLOGISTS
MANITOBA
Certificate of Authorization
Ramboll Canada Inc.
No. 6815