



Sustainable Development

Environmental Stewardship Division
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CLIENT FILE NO.: 3741.10

January 29, 2019

Kevin Betcher, Plant Manager
Louisiana Pacific
Swan Valley OSB
P.O. Box 189
Minitonas, MB R0L 1G0
Via Email: Kevin.Betcher@lpcorp.com

Dear Mr. Betcher:

Re: LP Swan Valley Plant – Ambient Benzene and Acrolein Monitoring

This is in reference to your submission dated September 19, 2018 which proposes to discontinue ambient acrolein and benzene monitoring and revise schedule 1 in accordance with clause 23 a) of licence 2954 RR. The monitoring results from 2011 to 2018 indicate that the ambient benzene concentration is consistently lower than the 24 hour average ambient benzene concentration limit of $2.3 \mu\text{g}/\text{m}^3$ (Ontario Standard). A closer look into the data shows that the average annual ambient benzene concentration for the years from 2016 to 2018 is also lower than the average annual ambient concentration limit of $0.45 \mu\text{g}/\text{m}^3$ (Ontario Standard). On the other hand, the acrolein monitoring results indicate that the 24 hour average ambient concentration limit of $0.4 \mu\text{g}/\text{m}^3$ (Ontario Standard) has been consistently exceeded at all three monitoring stations.

You provided a statistical analysis of the ambient air concentration of acrolein and benzene when the plant is operating and when it is shut down for maintenance and you suggested that regional sources have contributed to the monitoring results. It is also understood that during the plant shutdown some activities such as receiving and shipping as well as the heating system during the colder seasons have been active.

More information is required to determine the extent of the contribution of regional sources to the ambient acrolein concentration. Therefore, please submit additional information to supplement the September 19, 2018 submission as follows:

1. A monitoring plan for the Director's approval for at least 3 months at locations progressively further from the current monitoring stations to establish impact of regional sources.
2. Implement the approved plan to monitor ambient acrolein.

3. Submit a report, within 60 days of receiving the results on the monitored ambient acrolein, summarizing the results and requesting changes to the ambient monitoring plan for the Director's consideration.

Based on the monitoring results, I have concluded that the environmental effects with respect to discontinuing benzene monitoring will be insignificant. Therefore, in accordance with Section 14 (2) of The Environment Act you are approved to discontinue ambient benzene monitoring specified in Clause 23 a) of Licence 2954 RR.

Upon receiving and assessing the additional information regarding ambient acrolein concentration, Licence 2954 RR will be revised as necessary. Please note that the Director may request you resume the ambient monitoring in the future if any concern arises.

If you have any questions on this matter, please contact Mr. Eshetu Beshada of this office at (204) 945-7023.

Yours truly,



Tracey Braun, M.Sc.
Director
Environmental Approvals Branch

c: D. Labossiere/ T. Prawdzik/ N. Lavallee - Environmental Compliance and Enforcement Branch
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