



Community Questions for Permit Amendment Project

Lafarge Kamloops Plant received several questions and comments from the community about the Permit Amendment Project at the April 5, 2018 public open house, through Community Liaison Committee (CLC) meetings and in emails and letters of concern from our neighbours.

Will Lafarge conduct plume modelling for the new baghouses and the kiln?

Lafarge has commissioned Dillon Consulting to complete Air Dispersion Modelling on the new emission points—Gypsum Granulator System and Pozzolan/Pumice Dryer. The model will include existing emission points in operation under Permit 1894.

Are there any updates on Human Health Risk Assessment of pumice and gypsum dust?

Lafarge is waiting for the results from the Air Dispersion Model. Exceedances in the dispersion model, if found, will be investigated through a Screening Level Health Risk Assessment.

How will Lafarge address truck spillage on roads and bridge? Dust in the wind?

Mark Wilson, Lafarge Kamloops Site Superintendent, has contacted trucking operators and communicated plant policies and expectations. Spillage from trucks is not tolerated; any spills that occur will be cleaned up as soon as they are identified. All three bulk powder load-out points in the facility have been upgraded in 2018 to reduce the instances of material spillage on trucks. Additionally, the truck wash onsite is in operation outside of winter months.

Can you form Community Liaison Committee?

Volunteers were invited to participate in a Community Liaison Committee (CLC) by email on April 13, 2018. Five residents and 3 Lafarge employees currently sit on the committee. The initial meeting was conducted on May 15, 2018 with a plant tour on June 1, 2018.

Will Lafarge do better at self-monitoring for increased accountability with the community?

Working to minimize dust onsite is a continuous improvement effort. The plant is currently doing the following: keeping as much material under cover as possible, watering material piles and roads, using dust suppressant on roads, upgrading truck loading equipment and implementing an improved dust collector maintenance program. Video cameras are in the process of being installed so that plant operators are better informed if/when dust issues arise.

How will you share information publicly about dust emissions?

Lafarge, as an organization, strives to operate responsive facilities in regards to community feedback. This is demonstrated by the current permit amendment and will continue in the future. Lafarge recognizes a need to improve this effort in Kamloops. We are focused on improving communication with the local community so they have a direct contact to raise concerns to. One forum for this is the Community Liaison Committee.



Mark Wilson, the Site Superintendent also shared his direct contact number with all attendees at the community meeting on April 5, 2018. An additional source of information will be the introduction of a website (live by end of June 2018).

Will you provide video camera footage of emissions sources for the neighbors to view online?

Video cameras are in the process of being installed so that plant operators are better informed when dust issues arise. Access to the live video footage will be restricted to site employees due to restrictions by Lafarge IT.

Is there an update on removing east end stockpiles?

Most stockpiles on site were moved to the quarry in April 2018. Remaining material will be moved in June 2018. The area where the material was placed at the quarry will be capped so there will be no fugitive dust emissions.

Any update on general clean up (housekeeping)?

Since the kiln shut down in October 2016, we have been continually cleaning up the site. This will be ongoing and will be part of our continuous improvement action plan. This work has included removing material stockpiles and fuel stockpiles. Coal was removed on site in 2016 and the last of the petcoke will be removed in June 2018.

Are broken bag detectors functional?

Broken Bag detectors will be installed at the Gypsum Granulator System and the Pozzolan/Pumice Dryer. Detectors will be maintained to ensure they are in working order.

How will you monitor noise from the new machinery?

A noise meter has been purchased and readings will be taken at the nearest residences when the Gypsum Granulator System and Pozzolan/Pumice Dryer equipment are installed.

Is Lafarge able to conduct plant tours?

Requests for plant tours are always welcome. Since the April 5, 2018 information session, two Community Liaison Committee (CLC) meetings have happened. One of these meetings took place in the form of a plant tour. Three members of the committee participated in the tour. Additional tours are possible in small groups. Please [contact the plant](#) for more information.

What air quality monitoring of PM_{2.5} and PM₁₀?

Lafarge is working with the Ministry of Environment to clarify permit requirements. A final decision on the application is not expected until the end of August. The decision will include air monitoring requirements, if required by the Ministry of Environment.

Emission factors developed by the Environmental Protection Agency in the United States have long been fundamental tools for air quality management of sources that are not considered major emitters. An emission factor is a representative value that attempts to relate the quantity of pollutant released to the atmosphere as it is difficult to measure emissions such as PM_{2.5} and PM₁₀ from low rate emission points.



How will Lafarge be held accountable to its emissions?

Lafarge is committed to working with both the Ministry of Environment and the community to find ways that satisfy both groups. In our view, satisfactory solutions will come through a dialog with Ministry of Environment and the CLC. We have heard the community's concerns and questions and we respect the community's desire to hold us accountable.

Chemical analysis for pumice and gypsum

Both pumice and gypsum are naturally occurring substances. An x-ray analysis is available for both.

Is there an update on removal of coke and coal from site?

Currently, there is no inventory of coal on site and the petroleum coke is anticipated to be removed by the end of June 2018. Lafarge has no current plans to keep an inventory of either product, but does assist the railroads occasionally with train derailment clean up. In the past, this has meant temporary storage of solid fuels on plant property.

What fuel(s) are you using for the dryers?

Natural Gas

Are their dust abatement approaches for blasting blankets?

Blasting in the Harpers Ranch Quarry is not part of our current operating plans. If it becomes part of our operation in the future, we will look at additional controls for blast dust.

What are you going to do to become a better neighbor?

Lafarge Kamloops Plant has been around since 1970. Our employees are all members of the community who take pride in what they do and share our vision. We are working toward continuous improvement and building more trusting relationships. We are hoping actions developed out of the CLC will support that. We also hope new products will be a significant economic driver; growing opportunities for everyone.

What communication methods will you use to inform the community? Examples: poster board, website, newsletter, email blast, phone calls

The Lafarge Kamloops Plant will soon have a website, LafargeKamloops.ca, which will be used as a space to communicate news to the community. The website is planned to go live at the end of June 2018. We are happy to address any unanswered question through direct contact. We've found e-mail is often the best way to do this and will keep these contact details up-to-date on our website.

What steps are in place for protection of employees within plant vicinity from fugitive dust?

Health and safety of our employees is the first priority in any Lafarge operation and Kamloops is not an exception. We test the work conditions of employees, specifically respirable silica on an annual basis. All past results have been within specified limits for human health standards.



Can you speak to transparency and consultation efforts?

This permitting process has been a learning lesson for the plant. We understand the extent of the concerns and are working diligently to gain the community's trust. As we follow the process laid out by the Ministry of Environment, we will continue to hold future information sessions and meet with the CLC. Information will also be posted on the Kamloops website.

How can I find out what is going on?

The new website, LafargeKamloops.ca, will be a main source of information. It will be live by the end of June 2018. As well, Mark Wilson, Plant Site Superintendent, is available to answer questions about site operations. Please [contact the plant](#) for more information.

Why were these questions not answered earlier?

Questions from the information session on April 5, 2018—as well as those from letters and emails of concern—were compiled and answered via an email on June 8, 2018. The email also included a link to a Lafarge Kamloops website (live at the end of June 2018) that includes information about the permit amendment. The comment period ended May 31, 2018. Answers could not be provided until the official comment period was complete. This FAQ will also be posted to the new website.

Extension of the comment period from May 31, 2018 to October 31, 2018

Please see the following statement from the Ministry of Environment:

This Ministry has received your request for the comment period of the application to be further extended to October 31, 2018. Please note the [Public Notification Regulation](#) outlines the minimum public notification standards that must be met to fulfill the permitting application requirements. Comments received can provide an opportunity for the proponent to address the concerns raised in the final application, in addition to informing the Director of persons who may be adversely affected. As part of the final application package the applicant is submitting a consultation summary report. Please note that this does not prevent additional comments received after the initial consultation period being considered by Director.

As per section 7(2) of the regulation, the Director may consider any information received after the prescribed period, provided a decision has not been made on the file. We are expecting the final application package soon and do not anticipate a decision will be made on this application until the end of August. Any comments received will be forwarded to the applicant, and the final application package, including the Technical Assessment Report, will be made available to the public on our [website](#).

We would be willing to discuss this application and process with those that have concerns with this amendment request once the final application is received. In the interim any further written comments or concerns on this application can be submitted to Authorizations.South@gov.bc.ca with a copy to the applicant. Observations and compliance can be sent to the environmental complaints mailbox at EnvironmentalComplaints@gov.bc.ca.