

**Lafarge North America
Alpena Plant**

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Clinker Outdoor Storage Plan

The Lafarge Alpena Plant may need to store clinker outside for brief periods of time due to lack of space in the clinker storage hall. This situation could be caused by various issues, the most likely being shipping delays caused by weather conditions.

In the event that outside storage is necessary, Lafarge will follow this Clinker Storage Plan in order to minimize any fugitive emissions.

Location: clinker will be stored on the ground in the quarry, in the middle of the lower bench area. This area provides the best protection from the predominately northwest wind. Maximum amount of outside storage in this area will be approximately 50,000 tons.

Clinker may also be stored in the new raw materials storage area. This area consists of a concrete pad and walls to contain runoff and help block wind for dust control. Maximum storage in this area will be approximately 50,000 tons.

Transportation: clinker will be loaded into trucks inside the clinker storage hall, when possible and moved to the lower bench area, where it will be dumped. Loaders will be used to fill the trucks in the lower bench for return to the storage hall. Clinker that is moved to the raw materials storage area will be moved using only a loader to minimize transfer points and help control dust.

Staging Area: Clinker will be staged on the ground near the clinker silos in quantities not to exceed 1 day's usage in order to facilitate transfer to silos and to minimize transportation and handling. Dust suppressant will be as described below or per the plant's fugitive dust control plan.

Dust Suppression: clinker will be moved only in covered trucks or loaders and the storage pile will be tarped to minimize fugitive dust emissions. During loading for return to the plant, a sprinkler system is available to provide a water spray which covers the truck, loader and pile, keeping fugitive emissions to a minimum. Whenever possible, Lafarge will move the clinker during wet weather conditions.

During transportation and storage of clinker, Lafarge will take every reasonable precaution to ensure that fugitive emissions are minimized. Qualified observers are available to oversee the movement of clinker and any activity that causes excess emissions will be stopped immediately. The importance of proper dust control will be stressed to the qualified observers and all plant staff involved in the project.

Lafarge is confident that outside storage of clinker can be accomplished in a safe and environmentally friendly manner.