

This is an email sent from Chris Peoples to all involved with the sampling of lime materials to the Materials and Tests Unit Chemical laboratory.

Due to some recent incidents at Materials & Tests, some safety concerns have developed with respect to the sampling of Quick Lime and Hydrated Lime. For those of you not familiar with the chemistry of these two materials, I will briefly explain. When these materials are combined with water, they produce an exothermic reaction (gives off heat). This reaction in large volumes can produce extreme heat. Therefore, it is imperative that the minimum sampling guide be followed when these materials are submitted to the Chemical Testing Laboratory. We recently had some of these samples get wet in transit and when they arrived at the lab, the sample bags had melted and several samples were contaminated not to mention a huge mess had to be dealt with. In the future, please insure that all project personnel follow the minimum sampling guide. For your convenience, the following paragraph provides a summary of this information.

Each 3 pound (Please stay around 3 pounds. It is more than sufficient) sample is to be double bagged in clear plastic and secured with a tie wrap. An alternative is a wide mouth plastic container (1 gallon or 1/2 gallon is fine). Both of the above methods will insure that no moisture reaches the lime. This will prevent any of the safety hazards that have arisen in the past few weeks.

If there are any questions, please don't hesitate to call myself or my Assistant Kelly Croft.

Thanks in advance for your cooperation in this matter.
Christopher A. Peoples