

Source testing at Bullseye Glass Company

DEQ will oversee source (stack) testing of newly installed emissions control equipment, known as a baghouse, at Bullseye Glass Company in late April 2016.

In early April 2016, Bullseye Glass Company installed a baghouse to control emissions from one of its glass furnaces, and resumed using cadmium in that furnace.

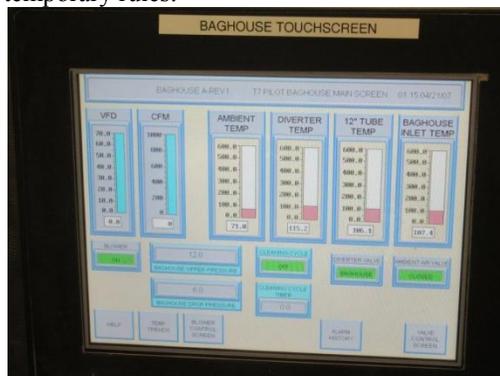
During the source test, samples will be collected directly from the smokestack and sample gasses before they enter the baghouse.

DEQ will use this data to verify the baghouse is operating properly, assess compliance, support ambient air modeling and provide the scientific basis for understanding the specifics of emissions from glass manufacturing.

What will be tested?

The test will measure particulate matter (PM) before and after emissions go through the baghouse. Particulate matter is a complex mixture of extremely small particles and liquid droplets. DEQ's new temporary rules, adopted by the Oregon Environmental Quality Commission on April 20, require PM be reduced by 99 percent for glass furnaces that use metal hazardous air pollutants (HAPs).

The test also will measure total chromium and chromium VI where it goes into the baghouse. The results will allow DEQ to understand more about the potential for chromium +3 to convert into chromium +6 in the furnace. That information, along with the removal efficiency, will provide data to determine chromium +6 emissions and to model the concentrations in the air around us. DEQ will use that modeling to establish a limit on chromium use in the furnace based on human health risk criteria in the temporary rules.



Control and information panel for the baghouse

How is testing done?

The stack test will be performed by a third party contractor. This company submitted a [testing plan](#) to DEQ that specifies which established test methods the contractor will use and addresses a number of specific criteria to ensure quality and validity. DEQ's testing specialist reviewed the documents, required amendments to the test plan and [DEQ approved](#) the final protocol.

DEQ source testing and inspection staff will also observe the test as it is performed and ensure the contractor doing the source test meets the test plan and method requirements. The test is comprised of three individual sampling runs and will be performed over a three day period. Each test will encompass an entire production run in the furnace.

DEQ is continuing its air monitoring program around the facility and will compare data collected from the source test to this ongoing monitoring data as it becomes available.



Baghouse installed at Bullseye Glass

Communicating test results

DEQ will communicate the test results when they are received and reviewed. Some data may be available within 45 days of the completion of the source test, while other data may take up to eight weeks to analyze and verify.

For more information please contact:

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