Materion has evaluated the use of the TRIBO particulate detection system manufactured by Auburn.

- Has been installed in Materion’s stack since 2010
- Detector functions by processing and analyzing electrical currents generated when particles pass by sensors. Measured in pico amps
- Will not measure BeO but will measure particulates (such as BeO)
- Detector used to monitor performance of air pollution controls
Changes to Permit

- Require particulate detection system to be operating when manufacturing is taking place
- Require continuous record keeping of system
- Require notification of PDEQ within 24 hours of a reading above the alert level
- Alert (alarm) level established at 100 pico amps. Normal operating levels are approximately 10 pico amps. Testing done by Auburn (Mfg.) and Materion shows 1 gram of talc recorded 4,000 pico amps
Next Steps

- Public Comment Period to run from January 5, 2015 through February 5, 2015
- Open House at Sunnyside High School January 22, 2015
- Communicate with BOS, BOH, SUSD School Board, and other interested parties
- Will have 30–day public notice in newspapers and will place documents on PDEQ website
- Tentatively scheduled to cease ambient monitoring at the end of February 2015