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Sept 17<sup>th</sup>, 2013

**Subject: Reference #274987, #274988, & #274989**

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For the month of July, the Elk Point station had operational uptime on the TEOM PM<sub>2.5</sub> analyzer of 39.7%; this is below the required 90% (Reference #274987). The internal temperature sensor failed on June 27<sup>th</sup> and a replacement was installed on July 18<sup>th</sup>.

For the month of July, the St. Lina station had operation uptime on the TEOM PM<sub>2.5</sub> analyzer at 46.4%; this is below the required 90% (Reference #274988). The TEOM unit failed on July 16<sup>th</sup> and a temporary replacement analyzer was installed on August 19<sup>th</sup>.

Due to operational and reliability issues related to the TEOM technology, LICA is investigating alternatives for particulate matter monitoring.

For the month of July, the St. Lina station had operational uptime on the H<sub>2</sub>S analyzer of 85.1%; this is below the required 90% (Reference #274989). The instrument used to calibrate the H<sub>2</sub>S analyzer was found to be faulty; the calibration was re-performed and all settings were corrected using a proper functioning calibrator on July 13<sup>th</sup>.

Should you have any questions, please don't hesitate to contact me directly at (780) 266-7068.

Respectfully,

A handwritten signature in blue ink that reads 'Michael Bisaga'.

Michael Bisaga

Airshed Program Manager  
Lakeland Industry and Community Association

cc (email): LICA Office