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June 13, 2013

Subject: Reference #270764 & #270765

In April 2013, the hydrocarbon analyzer at the Cold Lake South monitoring station 'drifted' and check points fell outside the allowable 10% variance. Upon inspection of the station, it was found that a pump had failed despite exceeding manufacturer specified preventative maintenance. The pump was rebuilt and the analyzer operated within specification following the repair; however, data were invalidated back to the last good calibration on April 11th, 2013. This led to the removal of 113 hours of monitoring data and resulted in 84% coverage for the month of April 2013 for hydrocarbons (reference #270764).

At the LICA Portable Station (at Elk Point Airport), two routine particulate matter analyzer (TEOM) audits were performed on April 2nd and April 22nd. A switch valve was replaced on April 8th at hour 17 to resolve an instrument responsiveness issue. TEOMs are known to take an extended period of time to stabilize following maintenance and repair events. Approximately 94 hours of monitoring data were removed during the analyzer's most unstable period (immediately following the repair) and this resulted in 87% coverage for the month of April for particulate matter (reference #270765).

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