

From: [Linero, Alvaro](#)
To: [DiBacco, Erin](#); [Sheplak, Scott](#)
Cc: [Arif, Syed](#); [Searce, Lynn](#); [Pell, Leigh](#)
Subject: Hillsborough County Resource REcovery Facility - Mercury Analyzer
Date: Tuesday, April 23, 2013 1:47:23 PM
Attachments: [image001.png](#)
[image003.png](#)
[Letter Report on Instrument Performance - April 19, 2013.pdf](#)
[0570261-013-AC -SignedPermit Revision.pdf](#)

Hey Errin (and Scott):

The attached report from Covanta was submitted pursuant to permit PSD-FL-369C (also 0570261-13-AC). That permit is attached and states:

“ Hg-CEMS Field Test. **The permittee shall field test the application of a Hg-CEMS on Unit 4 for 1-year (12-months).** After the 1-year of field testing of the Hg-CEMS, the permittee may keep or replace the Hg-CEMS with a mercury continuous automated sampling system (Hg-CASS) such as a sorbent trap system. The permittee shall provide the Department with its review and justification if the Hg-CEMS is replaced with a Hg-CASS.”

This is their documentation that they have completed the field testing.

(Lynn. You can add the report to the referenced file.)

Thank you.

Al Linero.

A. A. Linero, P.E.
Florida Department of Environmental Protection
Office of Permitting and Compliance
850-717-9076

From: Gorrie,Jason [mailto:jgorrie@CovantaEnergy.com]
Sent: Friday, April 19, 2013 9:40 AM
To: Linero, Alvaro
Subject: Hillsborough Mercury Analyzer

Al:

This is the Letter Report that you and I discussed several weeks back describing the performance to date of the Sick MerCEM 300Z. Our biggest issue so far relates to a phenomenon where the sample cell (an optical component where the instrument's light beam interfaces with the sample gas) becomes coated with aluminum oxide. Sick has been unable to identify a mechanism to clean the coating, thus requiring a replacement of the component (which costs about \$10,000). Sick has not observed this phenomenon on any of its other installations (all coal-fired utilities and cement kilns). They are working with us to identify a solution. I will keep you posted on progress. But so far

we are getting better than 90% availability and having minimal issues with calibrations.

Jason Gorrie, P.E.

Regional Environmental Manager – Southeast Region



Covanta Energy Corporation

350 N. Falkenburg Rd.

Tampa, Florida 33609

Tel: 813-684-5688 ext. 3015

Cell: 813-215-2266

Email: jgorrie@covantaenergy.com

<http://covantaenergy.com>

Reduce. Reuse. Recycle. Recover Energy-from-Waste.



Please consider the environment before printing this email