



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NC 27711

AUG 2 2011

OFFICE OF  
AIR QUALITY PLANNING  
AND STANDARDS

Mr. Bryan Tyler  
Enthalpy Environmental, Inc.  
2202 Ellis Road, Suite A  
Durham, NC 27703-5518

Dear Mr. Tyler:

This is in response to your correspondence of July 20, 2011, asking permission to use Method 15 in place of ASTM D4084-07 to determine hydrogen sulfide ( $H_2S$ ) in fuel gas at boilers regulated under 40 CFR Part 63, Subpart DDDDD. The  $H_2S$  is determined by lead acetate tape monitoring in ASTM D4084-07, and the sample may be collected for analysis off-site. You propose to collect the samples in specially coated Sulfinert sample bombs for shipment to Enthalpy for laboratory analysis.

Method 15 is an acceptable alternative to ASTM D4084-07 and is the standard method of measuring  $H_2S$  in refinery fuel gas. We believe Method 15 and ASTM D4084-07 give comparable results in this application and, therefore, approve your request. This approval may be applied to any facility that is covered by 40 CFR Part 63, Subpart DDDDD. We will post this broad approval on our web site at <http://www.epa.gov/ttn/emc/approalt.html> for use by other interested parties.

If you have questions or would like to discuss the matter further, please call Foston Curtis at (919) 541-1063, or you may e-mail him at [curtis.foston@epa.gov](mailto:curtis.foston@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Conniesue Oldham".

Conniesue Oldham, Ph.D., Group Leader  
Measurement Technology Group

cc: Foston Curtis, EPA/E143-02  
Lewis Adams, METCo Environmental