From: Axelrad, Don
To: William H Orem; David P Krabbenhoft; George R Aiken; Gilmour, Cindy; graiken@usgs.gov
Subject: RE: 2010 SFER - ACME Writeup
Date: Tuesday, July 21, 2009 12:06:02 PM

Cindy, Dave, Bill, George,

I am inclined to add a little human interest text to the sulfur section of the 2010 SFER to see if that grabs FDEP and the SFWMD.

That text from Bill below is a good start. I seem also to recall that Dave was almost overcome by H2S when he jumped from an airboat and ended up waist deep in Everglades mud.

Without overdoing it, can we add some such text in support of a statement that *"The presence of the hydrogen sulfide was unusual for a freshwater wetland, and more characteristic of marine or estuarine systems"?*

Don

"Sampling at a site near the Hillsboro Canal in Water Conservation Area 2A, both Orem and Gilmour were struck by the characteristic "rotten egg" odor of hydrogen sulfide. The presence of the hydrogen sulfide was unusual for a freshwater wetland, and more characteristic of marine or estuarine systems. The presence of hydrogen sulfide was also evidence that microbial sulfate reduction was taking place, and that this might also be driving the production of methylmercury."

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From: William H Orem [mailto:borem@usgs.gov]
Sent: Monday, July 20, 2009 3:36 PM
To: Axelrad, Don; David P Krabbenhoft; George R Aiken; Gilmour, Cindy
Subject: 2010 SFER - ACME Writeup

Don, Dave, George, Cindy:

Attached is a very quick and dirty writeup on ACME history that Don was thinking about including in the 2010 SFER writeup. I've also included some block diagrams that Cindy and I have used in various talks. Please take a look and send any comments, additions, subtractions, etc. directly to Don. This is kind of rough and can use some help. This will not be attributed to any of us, so we don't need to get any USGS approval.

Thanks,

Bill