



**From:** Snawder, John E. (CDC/NIOSH/DART)  
**To:** Howard, John (CDC/NIOSH/OD); Kitt, Margaret (CDC/NIOSH/OD); Spahr, James S. (CDC/NIOSH/OD); Schnorr, Teresa M. (CDC/NIOSH/DSHEFS); Lotz, William G. (Greg) (CDC/NIOSH/DART); DeBord, Gayle (CDC/NIOSH/DART); Tepper, Allison L. (CDC/NIOSH/DSHEFS); Weissman, David (CDC/NIOSH/DRDS); Hearl, Frank J. (CDC/NIOSH/OD); Piacentino, John D. (CDC/NIOSH/OD); Trout, Douglas (CDC/NIOSH/DSHEFS); Bernard, Bruce P. (CDC/NIOSH/DSHEFS); Seitz, Teresa A. (CDC/NIOSH/DSHEFS); Kiefer, Max (CDC/NIOSH/OD); Funk, Renee (CDC/NIOSH/OD)  
**Sent:** 6/29/2010 8:01:34 AM  
**Subject:** RE: Conference Call Monday (6/27) at 2:30 pm: Adding Biomonitoring to NIOSH Deepwater Horizon Exposure Monitoring

Here is a link to the article I mentioned about Concateno doing lab analysis on some Norwegian registered ships.

<http://www.concateno.com/news-events-publications/press-releases/16160/>

I will try and contact the people listed at the bottom today.

John

John E. Snawder, Ph.D., D.A.B.T.  
Leader, Biomonitoring Research Team  
National Institute for Occupational Safety and Health  
MS-C26, 4676 Columbia Pkwy. Cincinnati, OH 45226  
e-mail [jts5@cdc.gov](mailto:jts5@cdc.gov)  
Phone: 513-533-8496 Fax: 513-533-8510

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**rom:** Howard, John (CDC/NIOSH/OD)  
**Sent:** Sunday, June 27, 2010 9:40 AM  
**To:** Kitt, Margaret (CDC/NIOSH/OD); Spahr, James S. (CDC/NIOSH/OD); Schnorr, Teresa M. (CDC/NIOSH/DSHEFS); Lotz, William G. (Greg) (CDC/NIOSH/DART); Snawder, John E. (CDC/NIOSH/DART); DeBord, Gayle (CDC/NIOSH/DART); Tepper, Allison L. (CDC/NIOSH/DSHEFS); Weissman, David (CDC/NIOSH/DRDS); Hearl, Frank J. (CDC/NIOSH/OD); Piacentino, John D. (CDC/NIOSH/OD); Trout, Douglas (CDC/NIOSH/DSHEFS); Bernard, Bruce P. (CDC/NIOSH/DSHEFS); Seitz, Teresa A. (CDC/NIOSH/DSHEFS); Kiefer, Max (CDC/NIOSH/OD); Funk, Renee (CDC/NIOSH/OD)  
**Subject:** Conference Call Monday (6/27) at 2:30 pm: Adding Biomonitoring to NIOSH Deepwater Horizon Exposure Monitoring

Exposure monitoring by means of air sampling is subject to several limitations when used episodically in a outdoor, dynamic environment.

Since air sampling does not reflect total exposure, and total exposure may be more associated with longer term health effects, the continuation of our approach without incorporating bio-monitoring (1) represents only a partial approach to determining exposure, (2) leaves us scientifically incomplete; (3) leaves us unable to address the concerns of those who are in the media now saying that harmful exposures are occurring despite negative air sampling results; and (4) impairs our ability to conduct long term health studies since we have little information on actual total exposure occurring now.

"We don't necessarily have to wait for the laboratory methods to be worked out before starting to collect noninvasive samples such as urine from clean-up workers. If the analytes to be measured are reasonably stable, we could develop a sampling strategy and start collecting samples to be frozen in aliquots and analyzed later." ... David Weissman.

propose a conference call on Monday at 2:30 pm to chat about guidance for real-time exposure assessment through air sampling and bio-monitoring--coupled perhaps with the symptom survey/worker health survey--

incorporation of that guidance into our own activities AND guidance for medical facilities seeing workers who are ill.

Call-In Number: 1.866.711.2469

Passcode: 9435626

JH