

INDUSTRIAL HYGIENE GROUP (IHG)

A Functional Group of the Contra Costa County CAER Group, Inc.

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MEETING MINUTES Thursday, November 10, 2011 11 AM – 2:00 PM CAER OFFICE (1350 ARNOLD DRIVE, SUITE 101), MARTINEZ, CA

<u>Topics</u>	<u>Discussion</u>
Introductions, Sign-in, CAER Administrative Issues	<ul style="list-style-type: none">• <u>Attendees:</u> Pat Owens (Shell), Thomas Johnston (Tesoro), Laura Cullom (Conoco Phillips), Charles Rachlis (CaDPH), Paul Davis (LLNL), Christine Ward (LLNL), Ken Smith (retired), Morie Oberg (retired)• Thomas Johnston gave an overview of his CV included experience with cal/OSHA.• The group elected not to change move to quarterly IHG meetings.
New Items	<ul style="list-style-type: none">• CIHC is in San Francisco starting December 5th.• Cal/OSHA standards proposed for Petroleum Safety Orders. Thomas mentioned the fatality that triggered the writing of one of these changes.• Draft fed/OSHA silica standard and American Sand Producers comments. Fracking was mentioned as a source of silica exposure.• Draft AIHA Direct-reading instrument specification sheet – for comments.• New AIHA Registry for user of direct-reading 4 gas + PID. The first class is being taught at the PCIH in Baltimore now.
Responses	<ul style="list-style-type: none">• Laurie reviewed a pipeline incident where SJV crude was spilled. She performed air monitoring for VOC, benzene and H2S. No detectable levels except some low level VOC close to the source.• Christine and Paul covered a 1,000+ gallon water spill causing about 1' deep water inside a building at LLNL. The response required drying of carpets, walls, measuring for moisture reduction (target is <20%), possible sampling of airborne fungal spores, etc. Disinfection was discussed too.• Pat mentioned a case where an IH was sampling water for legionella and developed flu-like symptoms, but follow-up biomonitoring showed it was not caused by the water (that did have detectable legionella). Paul mentioned some methods to measure/monitor water conditions to verify adequate controls are in place (total bacteria, etc.). Also discussed was use of flash hot water heaters in lieu of hot water tanks and whether the flash heaters would reduce the risk of exposure to system users. And the temperature of hot water tanks was discussed, what level to maintain for reduced risk.
ART	<ul style="list-style-type: none">• The ART (advanced reach tool) for exposure modeling was discussed briefly. A short handout was reviewed wherein the model limitations, purpose, and modifying factors was summarized. The link to the tool was written on the handout (www.advancedreachtool.com). It is most useful for screening exposure scenarios to prioritize or plan air monitoring.
Mercury in Crude	<ul style="list-style-type: none">• Handout on IPECA Oil Company Shipping and Transportation document pertaining to risks of exposure to mercury from some crude oil. A general discussion on monitoring for mercury from crude, interferences, the interest to draft a document for refinery exposures.
Other Discussions	<ul style="list-style-type: none">• Shingles – the disease prevalence, signs/symptoms, new vaccination available and for whom it might be advised for, how this might help our people avoid long-term disability.
Next Meeting	<ul style="list-style-type: none">• Next meeting is scheduled for February 9th, 2011 at the same conference room (Muir Pkwy Offices), Martinez.• Topics: Fracking, Indoor Air Microbio sampling and disinfection practices