

ICC Hydrogen Ad Hoc Committee Separations Working Group Minutes (Teleconference #2)

Meeting called by: SNL CRF & Secretariat, ICC AHC H2G		Meeting location: Teleconference Meeting	Date(s): 01/12/2004 Start time: 10:35 am (CST) End time: 11:25 am (CST)
Attendance: <p><i>AHC</i> - Guy Tomberlin, Chair, County of Fairfax; James Hansel, Air Products & Chemicals; Glenn Scheffler, UTC Fuel Cells; James Soden, Equiva Services; Michael Swain, University of Miami.</p> <p><i>Staff</i> - Darren Meyers, Secretariat, ICC-Chicago; Al Vasys, Vista Consulting Group</p> <p><i>Interest</i> - Bill Houf, Sandia National Laboratory; Jay Keller, SNL; Chris Moen, SNL; Jim Ohi, NREL ; Bob Scheffer, SNL.</p>			
Time	Agenda Item	Discussion	Outcome
01/12/04 10:35 am	<u>WORKING SESSION</u> 1) Pressure & Volume 2) Equipment & Features 3) Format & Experiment Matrix 4) Confidentiality 5) Adjourn	<p>Mr. Scheffler shared some comments raised by UTC FC's facilities engineers w.r.t., the pressure and volume combinations being proposed in the "draft" T2209.3.1: Are they "operational" or "nominal" pressures?</p> <p>Messrs. Soden/Tomberlin lead a discussion regarding the "Feature" entry titled "Flammables – Combustibles." Does this include/affect other, adjacent flammable/combustible tanks in series?</p> <p>Messrs. Hansel/Houf lead questioning regarding which max./min. radiant heat flux exposure criteria to use.</p> <p>Messrs. Hansel/Soden lead questioning into ICC's separations of flam/comb liq./gases from other piles/racks of flam/comb liq./gases. JS looking into NFPA 30 position...</p> <p>Messrs. Moen/Hansel lead discussion on which wind velocity scenarios to evaluate.</p> <p>Messrs. Houf/Hansel inquired again regarding mass-flow rates anticipated.</p> <p>Discussion ensued on maintaining the strictest confidentiality and intellectual property rights w.r.t. the draft T2209.3.1 until fully vetted A "sea of numbers" document w/ all respective "question marks ?" addressed will be due for discussion at the AHC Meeting forecast for June 18/19, 2004 Coral Gables, FL.</p> <p>Next meeting proposed for Jan. 18, 2004 (11:00 am CST).</p>	<p>JS/GSch: Pursue the NWP approach. A definition for NOMINAL WORKING PRESSURE was added using SAE J2579 recommendations.</p> <p>No. The 3-foot "buried-tank" separation is general, consistent w/ current practices and applied universally.</p> <p>JH/BH: Utilize exposure criteria established in API 521-1997.</p> <p>Staff (DM) to investigate ICC.</p> <p>30 ft./sec. (20 mph) both as leeward and 90° cross-wind IFC §2209.5.4.2</p> <p>High: 100 cars/day @ 5kg H2/car Low: 5 cars/day @ 5kg H2/car</p> <p>See revised "draft" T2209.3.1</p>

