



ICC Hydrogen Ad Hoc Committee Meeting #8

May 3rd and 4th, 2004

California Fuel Cell Partnership
3300 Industrial Boulevard., Suite 1000
West Sacramento, CA 95691
PH (916) 371-2870 FX (916) 375-2008

AGENDA - MONDAY, MAY 3RD

INFORMATIONAL & WORKING SESSIONS

8:00 Introductions and Welcome (NREL)
Scope and objectives for meeting
Approval of Meeting #7 minutes

8:15 Plans for Overland Park, KS, Hearings—Pulling together a strong case of technical support through testimony
International Fuel Gas Code (FG48)
International Fire Code (F153, F154, F155, F157, F181)



"NHA Overland Park
IFC Ad FINAL.pdf"

9:00 PRESENTATION: Parsons-Brinkerhoff Study of Residential Two-Car and Commercial Underground and Open Parking Scenarios as commissioned by CaFCP. Adam Gromis—CaFCP

9:30 PRESENTATION: Separation Distances Project, Work at University of Miami
Mike Swain—University of Miami, Coral Gables

10:00 *BREAK!*

10:15 PRESENTATION: Report on Unintended Release Scenarios Workshop, Jay Keller, Bill Houf, Chris Moen—Sandia National Laboratory

11:00 PRESENTATION: Separation Distances Project & ICC Separations WG Update, Jay Keller, Bill Houf, Chris Moen—Sandia National Laboratory; Darren Meyers—ICC

11:45 LUNCH (ICC/CaFCP has made plans to provide a lunch service for purchase on site.)

- 12:45 **F153-03/04:** Revisions to Separation Distances, (open discussion)
- Pulling together a strong case of technical support through testimony
 - Protected construction for “full-height” of on-site above ground storage
 - Should the “refueling station” protect the car?
 - Is there a need “NOW” for Probability Risk Assessment (PRA)?
 - Failure Modes & Effects Analysis (FMEA) to put risk factors on features identified in Table 2209.3.1?
 - What refueling station relief valve settings would be required to protect the public during refueling ops?



"Hansel-Scheffler
Thoughts to WG_Mar



"Separations WG Call
#1_Minutes Only.doc



"Separations WG Call
#2_Minutes Only.doc



"Separations WG Call
#3_Minutes Only.doc

4:00 CaFCP “Ride-N-Drives” and General Tour of Facilities. Adam Gromis—CaFCP

AGENDA – TUESDAY, MAY 4TH

WORKING SESSION RESUMES

- 8:00 **F154-03/04:** Gaseous Hydrogen Systems Located on Canopy-tops
- Pulling together a strong case of technical support through testimony
 - Minimum canopy height (radiant shield requirements)?
 - Suppression systems (help or hurt)?

- 9:00 **F155-03/04:** Underground Liquid Hydrogen Storage
- Pulling together a strong case of technical support through testimony
 - New developments?

- 9:30 PRESENTATION: Status and Update of CGA Codes Committee Activities
Roger Smith—Compressed Gas Association (Invited)

10:00 *BREAK!*

- 10:15 **F157-03/04:** Organizational and Technical Improvements to Hydrogen Motor Fuel-Dispensing Facilities
- Pulling together a strong case of technical support through testimony
 - Explore joint positions with proponents/opponents
 - New developments?



"EIHP WORKING
DRAFT _Rev3_.pdf"



"EIHP Hansels
Comments W1860A1."



"Japanese H2 station
Tech guideline.pdf"

11:45 LUNCH!

- 12:45 PRESENTATION: Status and Update of Northeastern States Hydrogen Incubator Project
Darren Meyers—ICC; Jim Ohi—NREL

- 1:15 **F181-03/04:** Metal Hydride Storage
Ned Stetson—Texaco Ovonic Hydrogen Systems

2:00 *BREAK!*

- 2:15 **FG48-03/04:** Testing, Inspection and Purging of Hydrogen Piping Systems

- 3:00 COORDINATION of industry support for Final Action Hearings, Sheraton Hotel Overland Park, KS
Darren Meyers—ICC; Al Vasys—Vista Consulting Group

3:30 NEW BUSINESS

4:00 Adjournment