

# **National Safety Conference and Exhibition 2010**

**San Antonio, Texas, USA  
19-20 May 2010**

**ISBN: 978-1-61738-741-8**

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2010) by the National Petrochemical & Refiners Association  
All rights reserved.

Printed by Curran Associates, Inc. (2010)

For permission requests, please contact the National Petrochemical & Refiners Association  
at the address below.

National Petrochemical & Refiners Association  
1667 K Street NW  
Suite 700  
Washington, D. C. 20006

Phone: (202) 457-0480  
Fax: (202) 457-0486

[publications@npra.org](mailto:publications@npra.org)

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2634  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

<b>NSC-10-05: Integrating Human Factors into High Frequency/Low Severity Incident Investigations</b> .....	1
<i>Gerry Swieringa, A. W. Armstrong</i>	
<b>NSC-10-27: The Legal Response to Major Accidents</b> .....	30
<i>Mark Farley</i>	
<b>NSC-10-47: Sunoco Marcus Hook Refinery Ethylene Unit Fire - May 17, 2009 Lessons Learned</b> .....	43
<i>Art Jensen</i>	
<b>NSC-10-48: Life Saving Rules: Impact on the Bottom Line</b> .....	87
<i>Ronald Meyers</i>	
<b>NSC-10-49: Safety Strategies for Performance Beyond Recordable-Free</b> .....	108
<i>Dawn Wurst</i>	
<b>NSC-10-51: Post Incident Management: An Owner-Operator Perspective</b> .....	130
<i>Michael Norman</i>	
<b>NSC-10-53: Process Safety Performance Indicators API RP-754</b> .....	153
<i>Kelly K. Keim</i>	
<b>NSC-10-55: Non-Core Contractors: Reducing the Risk</b> .....	183
<i>David Pruner</i>	
<b>NSC-10-59: GHS Overview: Globally Harmonized System of Classification and Labeling of Chemicals</b> .....	197
<i>Derek Swick</i>	
<b>Author Index</b>	