

National Occupational & Process Safety Conference 2013

**The Woodlands, Texas, USA
14 – 15 May 2013**

ISBN: 978-1-62748-956-0

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© (2013) by American Fuel & Petrochemical Manufacturers (AFPM)
All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact American Fuel & Petrochemical Manufacturers (AFPM)
at the address below.

American Fuel & Petrochemical Manufacturers (AFPM)
1667 K Street, NW, Suite 700
Washington DC 20006

Phone: (202) 457-0480
Fax: (202) 457-1486

info@afpm.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
Web: www.proceedings.com

TABLE OF CONTENTS

| | |
|---|-----|
| NSC-13-1 Implementation of an Electronic Safety Permit System Application at a Chemical Manufacturing Facility in the U.S. | 1 |
| <i>O. Wolff</i> | |
| NSC-13-2 Electronic Tag out Database (MIP) | 14 |
| <i>J. Harrison</i> | |
| NSC-13-3 Electronic Safe Work Permitting | 26 |
| <i>T. Gordon</i> | |
| NSC-13-4 Hazard Recognition: Sometimes an Overlooked Contributing Factor to Incidents | 37 |
| <i>F. Kazimi</i> | |
| NSC-13-7 Safety – From a Small Refiners Perspective | 51 |
| <i>J. Loving</i> | |
| NSC-13-8 Safety – From a Small Refiners Perspective | 65 |
| <i>G. Wynn</i> | |
| NSC-13-11_12 Learnings from Advancing Process Safety Hazard Identification | 77 |
| <i>K. Paulk, J. Forest</i> | |
| NSC-13-13 Industrial Hygiene Air Monitoring in Emergency Response: Tools, Techniques, and a Case Study | 87 |
| <i>P. Nony</i> | |
| NSC-13-14 OSHA Standard 1910.1026 Chromium (VI) Monitoring Protocols at a Local Refinery | 105 |
| <i>A. Brown</i> | |
| NSC-13-15 Western Refining Peer Review Program | 119 |
| <i>S. Williams</i> | |
| NSC-13-16 Western Refining Peer Review Program | 134 |
| <i>R. Ralph</i> | |
| NSC-13-17 Safety Trail – Safety Awareness in the Workplace | 139 |
| <i>D. Pfister</i> | |
| NSC-13-19 What Operating Managers Need to Know about LOPA Action Items | 156 |
| <i>G. Rozmus</i> | |
| NSC-13-20 Where Process Safety Must Move | 172 |
| <i>S. Stricoff</i> | |
| NSC-13-21 The Perfect Balance between Man and Technology – The Latest Technology to Protect Confined Space Workers | 183 |
| <i>D. Johnson</i> | |
| NSC-13-25 Tulsa DHT Fire and the Fundamentals of Safety | 197 |
| <i>J. Stump</i> | |
| NSC-13-29 Pampa Explosion: Lessons Learned Program at Celanese | 211 |
| <i>J. Forest</i> | |
| NSC-13-30 API Process Safety Site Assessments | 218 |
| <i>A. Broadbent, A. Pollak</i> | |
| NSC-13-32 Standardized Exposure Assessment Process | 235 |
| <i>K. Church</i> | |
| NSC-13-33 IH Role in Occupational Health | 248 |
| <i>K. Eganhouse</i> | |
| NSC-13-35 What you Think you Know vs. What you Should Know | 258 |
| <i>J. Mecham</i> | |
| NSC-13-35 Safety Planning for a Successful Turnaround | 268 |
| <i>R. Smith</i> | |
| NSC-13-36 Backing Up the Process Hazard Assessment - Using Risk, Reality and Tier Metrics to Prevent Catastrophe | 294 |
| <i>M. Bums</i> | |
| NSC-13-37 Journey to Process Safety Excellence | 308 |
| <i>S. Mondal</i> | |
| NSC-13-38 Nobody Gets Hurt – Our Vision for an Injury Free Workplace | 324 |
| <i>D. Luecke</i> | |
| Author Index | |