

Natural Gas ODORIZATON



INTERNATIONAL CONFERENCE & EXHIBITION

MARRIOTT WESTCHASE HOTEL • HOUSTON, TEXAS • MAY 25-26, 2010

organized by



in association with



A TWO-DAY CONFERENCE FEATURING TECHNICAL PAPERS AND PRESENTATIONS

- New technologies
- Transport and transfer
- Odorant fade and loss
- System testing and troubleshooting
- Regulatory issues & developments
- Odorant chemistry
- Decommissioning of storage tanks
- Legal issues, risk and liability

See program details inside...



WHO SHOULD ATTEND

- Management, technical and field staff from:
- Natural gas distribution companies
 - Public utility companies
 - Suppliers of odorant systems and services
 - Government regulators
 - Gas piping fabricators and repair personnel

VENUE

Houston Marriott Westchase Hotel
 2900 Briarpark Dr. • Houston, TX 77042 USA
 713-978-7400 • 713-735-2726 (fax)

This two-day technical conference will cover all aspects of gas system odorization, from the basics to new technologies, case studies, practical application, troubleshooting, regulatory compliance, and legal/liability aspects.

CONFERENCE PROGRAM *(provisional)*

MONDAY, MAY 24, 2010

11am - 5pm **Exhibition setup**

TUESDAY, MAY 25

7.30

Registration, coffee

8.15

Opening remarks

8.30 #1

Gas purging safety: a review of gas purging incidents and discussion of recommendations made by the U.S. Chemical Safety Board to improve purging safety practices

Lauren Wilson, U.S. Chemical Safety and Hazard Identification Board, Washington, DC.

9.05 #2

A pragmatic approach for addressing the issue of odorant fade

Mark Gottlieb and Darin McMullen, Offit Kurman, Philadelphia, PA, USA

9.40 *Coffee, exhibition*

10.30 #3

Odorization of natural gas: a review of current technology and practice

Ken Parrott, k2 Controls, The Woodlands, TX, USA

11.05 #4

Pre-odorization or "pickling" of new natural gas pipe, a case study

Isabelle Ivanov and Juraj Strmen, Midland Resource Recovery, Philippi, WV, USA
 Les Jones, Kitchener Utilities, Kitchener, ON, Canada

11.40 #5

Odorant spill response plans

John Miller, James Whitnall, Enbridge Gas Distribution, Calgary, AB, Canada

12.15 *Lunch, exhibition*

1.45 #6

Odorant loss in new steel piping on the customer side of the meter

Ed Flynn, Mulcare Pipeline Solutions, Norwell, MA, USA

2.20 #7

A basic understanding of the chemistry and characteristics of natural gas odorants

Mike Usher, Odor-Tech/Arkema, Philadelphia, PA, USA

2.55 *Coffee, exhibition*

3.40 #8

Determining proper odorization levels

Roy Montemarano and Paul Wehnert, Heath Consultants, Houston, TX, USA

4.15 #9

Public awareness messages: an essential part of a complete odorization program

Gordon Plunkett, Odorization Consultant, West Des Moines, IA, USA

4.50

Wrap-up of Day 1

5.00 *Cocktail reception, exhibition*

WEDNESDAY, MAY 26

8.00

Opening remarks and review of Day 1

8.15 #10

Odorization: a discussion of code compliance and liability issues

David Bull, ViaData, LP, USA

8.50 #11

Current odorization research and development

Andrew Hammerschmidt and Karen Crippen, Gas Technology Institute, Des Plaines, IL, USA

9.25 *Coffee, exhibition*

10.20 #12

Optimization of supplemental odorization operations

Robert Wilson, National Grid, Boston, MA, USA

10.55 #13

Olfactory evaluation of the smell of a gas: a round-robin test based on the AFG Specification

François Cagnon, Amélie Louvat, and Delphine Coffinet-Laguerre, GDF SUEZ, Saint Denis la Plaine, France. Bjorn Maxeiner, OLFAtec GmbH, Kiel, Germany

11.30 #14

Odorant cylinder transfer and filling operations

Ed Roberson, Gas Odorant Service & Supply, Katy, TX, USA

12.05

Lunch, exhibition

1.30 #15

A critical early warning system: the sense of smell

Dr. Richard Doty, Sensorics, Inc., Haddon Heights, NJ, USA

2.05 #16

Metrology and on-line gas chromatography on sulfur compounds in natural gas

Michel Robert and Franck Amiet, Chromatotec, Bordeaux, France
 Presented by Michael Bowen, Chromatotec, Houston, TX, USA

2.40 #17

Decommissioning of obsolete underground odorant storage tanks

Jan Strmen, Midland Resource Recovery, Philippi, WV, USA

3.15 #18

Odorization task evaluation and training: meeting mandated requirements

David Bull, ViaData, LP, USA

3.50

Closing remarks, adjourn

ADDITIONAL PAPERS

Additional papers to be published in the proceedings but not presented:

#19

Gas composition should determine odorant selection

#20

When using an odor level test instrument, be sure to use a recommended method

Gordon Plunkett,
Odorization Consultant,
West Des Moines, IA, USA

PROGRAM ADVISORY COMMITTEE:

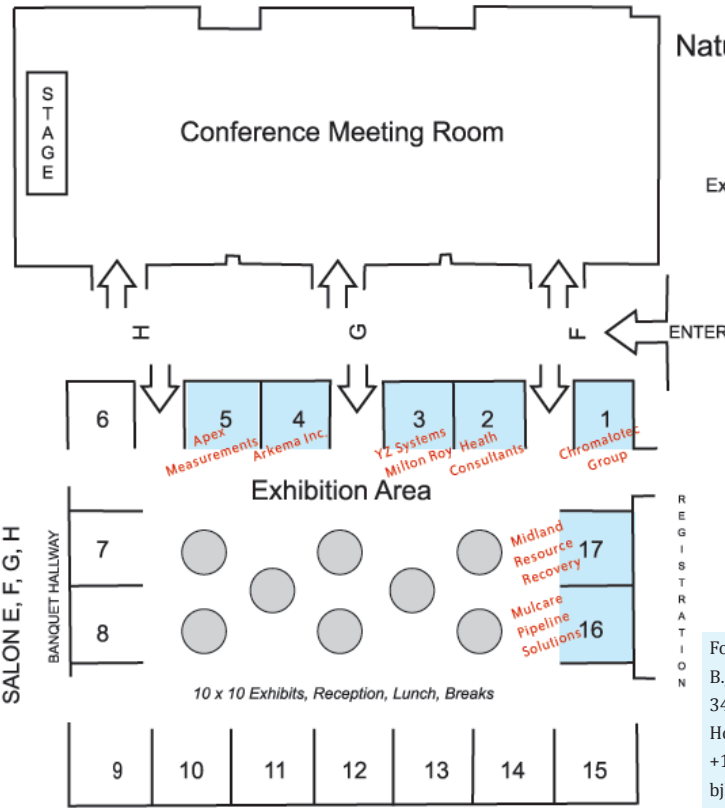
David Bull, ViaData LLC

Andy Hammerschmidt,
Gas Technology Institute (GTI)

Ed Flynn, Mulcare Pipeline Solutions

Paul Wehnert Heath Consultants

EXHIBITION



Natural Gas Odorization Conference

Marriott Westchase Hotel
May 25-26, 2010
Houston, Texas
Exhibit spaces are 10 x 10 feet

E
V
E
N
T

F
O
Y
E
R

For details on exhibiting, contact:
B.J. Lowe, CLARION
3401 Louisiana Street, Suite 255
Houston, TX 77002
+1 713 521 5929
bjlowe@clarion.org

ONLINE

For fastest registration, register online now at www.clarion.org (secure server.)

PHONE

+1 713 521 5929
FAX
+1 713 521 9255

MAIL

CLARION Technical Conferences™
3401 Louisiana Street
Suite 255, Houston, TX 77002

SAVE UP TO 15%

See our Team Discount below

CONFERENCE

MAY 25-26: US \$895

EARLY DISCOUNT (check as appropriate)

Early Registration prior to April 12, 2010: \$100 off

PAYMENT OPTIONS (check as appropriate)

I will mail a check payable to Clarion Technical Conferences

Please send me an invoice

Bank transfer: If you select this option, we will send an invoice with our bank details

Credit Card: Visa MasterCard American Express Discover

TEAM DISCOUNTS (check as appropriate)

2 persons - 10%

3 or more persons - 15%

ACCOMMODATION

Fees do NOT include overnight accommodation. Please book with the conference hotel directly:
Houston Marriott Westchase Hotel
2900 Briarpark Dr.
Houston, TX 77042 USA
+1 713-978-7400
+1 713-735-2726 (fax)
Don't forget to mention you are attending the CLARION Natural Gas Odorization Conference to take advantage of the special conference rate (limited availability.)

CANCELLATIONS/SUBSTITUTIONS

Cancellations made in writing and received on or before 10 business days prior to the event will be refunded less a \$100 handling fee. Cancellations received after 10 business days prior to the event will not be refunded, and the full invoice fee will be payable regardless of whether you attend the event or not. Substitutions may be made at any time. Confirmation will be made in writing as soon as possible upon receipt of payment. This confirmation will be sent to the address given on the registration form, unless otherwise required. The organizers reserve the right to cancel any event due to insufficient enrollment. In this event fees will be refunded in full. However, the organizers assume no liability for travel or any expenses other than fees paid.

NAME ON THE CARD _____ SIGNATURE _____

CREDIT CARD NO _____ EXP DATE _____ VERIFICATION # _____

BILLING & CONTACT INFORMATION

NAME _____ TITLE _____

COMPANY _____ EMAIL _____

AREA CODE & PHONE NUMBER _____ AREA CODE & FAX NUMBER _____

MAILING ADDRESS _____ CITY, STATE _____ POSTAL/ZIP CODE _____ COUNTRY _____

CLARION

TECHNICAL CONFERENCES

3401 Louisiana Street
Suite 255
Houston, TX 77002

PRSR STD
US POSTAGE

PAID
HOUSTON TX
PERMIT 542

**ADDRESS
SERVICE
REQUESTED**

Natural Gas ODORIZATION

INTERNATIONAL CONFERENCE & EXHIBITION
HOUSTON, TEXAS MAY 25-26, 2010

ORGANIZED BY

CLARION

TECHNICAL CONFERENCES

www.clarion.org

IN ASSOCIATION WITH

gti

www.gastechnology.org

Natural Gas ODORIZATION

INTERNATIONAL CONFERENCE & EXHIBITION

Recent incidents have elevated safety concerns in the gas industry.
Find out what's happening in regulations, safety codes,
industry practices, and best-available technologies.

organized by **CLARION** TECHNICAL CONFERENCES in association with **gti**

HOUSTON, TEXAS
MAY 25-26, 2010