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National  
Petrochemical &  
Refiners  
Association

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NPRA  
National Safety Conference  
Advance Program

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Omni Fort Worth  
Fort Worth, TX  
May 10-11, 2011



Safety



## Schedule of Events At a Glance

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<b>Monday</b>	<b>May 9, 2011</b>
12:00 pm – 5:00 pm	Exhibitor Move-in
12:00 pm – 5:00 pm	Registration
1:00 pm – 5:00 pm	API ANSI RP 754 Process Safety Metrics Workshop

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<b>Tuesday</b>	<b>May 10, 2011</b>
7:00 am – 6:30 pm	Registration
8:00 am – 11:00 am	Exhibitor Move-in
8:00 am – 12:00 pm	<b>General Session</b>
12:00 pm – 1:30 pm	Lunch in the Exhibit Hall
1:30 pm – 3:00 pm	<b>Concurrent Workshops</b> Process Safety Metrics and Driving Improvement Personnel Safety Industrial Hygiene PSM Practices
3:30 pm – 5:00 pm	<b>Workshops Repeated</b>
5:00 pm – 6:30 pm	Reception in the Exhibit Hall

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<b>Wednesday</b>	<b>May 11, 2011</b>
8:00 am – 4:00 pm	Registration
8:30 am – 11:30 pm	<b>General Session</b>
11:30 pm – 1:30 pm	Lunch in the Exhibit Hall
1:30 pm – 3:00 pm	<b>Concurrent Workshops</b> Fatigue Management Contractors Employee Involvement in PSM Interpreting 1926 Subpart CC (Cranes and Derricks)
5:30 pm – 9:30 pm	<b>Safety Awards Celebration</b>

Cover photo courtesy of Sunoco Inc.

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Superior safety is fundamental to business success. NPRA's National Safety Conference features an overview of safety challenges and issues affecting refineries and petrochemical plants. It assembles 400 individuals from industry and government agencies with responsibility for health/safety, process safety, safety procedures, training, fire protection, emergency response, incident reviews, safety regulations and safety management. Leading industry experts share valuable insights to promote safety and accident prevention through general session presentations, workshops, and discussion groups. Each workshop track has a collection of presentations, discussion forums and Q&A sessions. The National Safety Conference provides attendees an excellent opportunity to increase their knowledge, share best practices, and network with industry experts.

**Vendor Exhibition**

The National Safety Conference also features a vendor exhibition where attendees have an opportunity to learn about the latest products and services available to the industry. Approximately 50 vendors exhibit during the conference.

**Safety Awards Celebration**

Nestled in the Historic Stockyards of Fort Worth is Billy Bob's Texas – The World's Largest Honky Tonk and our venue for the Safety Awards Celebration.

In addition to the unique setting, NPRA is proud to announce Little Texas as our entertainment for the evening. Playing such hits as "God Bless Texas" and "You've Gotta Kick a Little" – we are sure to be kicking up our boots and making some noise.

Come join us as NPRA honors our members who have achieved safety excellence.



**Little Texas**

**Monday  
May 9, 2011**

1:00 pm – 5:00 pm

**API ANSI RP 754 Process  
Safety Metrics Workshop**

This workshop is a combination of presentations and panel sessions that will discuss lessons learned from implementation of Tier 1 and Tier 2 metrics, sharing of experiences with Tier 3 and Tier 4 metrics and assistance in classification of specific process safety events.

**Tuesday  
May 10, 2011**

**General Session**

8:00 am – 12:00 pm

President:

*Ronnie Meyers, Motiva Enterprises*

**Welcome**

*Fritz Kin, Marathon Petroleum Company*

**Keynote Address**

**Process Safety: From Compliance  
to Competence to Culture**

*Anne-Marie Ainsworth*

Senior Vice President

Sunoco Refining

The direct and indirect consequences of process safety incidents can be devastating to an organization. Since the PSM rules were first instituted in 1992, the refining industry has continued to evolve their process safety procedures and programs to reduce the frequency and consequence of process safety incidents. This journey began with a focus on regulatory compliance in the mid-90's, eventually giving way to an increased appreciation of the need to improve the depth and quality of these programs to

a higher level of competence. Recent industry events suggest that more work is required to achieve the desired result of complete elimination of process safety incidents. This step change in improvement can come through creation of a deeply ingrained process safety culture, which in turn can be developed by implementation of explicit work processes that drive desired behaviors. Through a careful program of thoughtful and integrated process safety work processes built on the foundation of existing management systems, true and lasting change can be made.



**Motivational Speaker**

**Leadership Safety**

*Captain Larry Brudnicki*

Perfect Storm Solutions

Captain Larry Brudnicki led two dramatic rescue missions during the worst weather in 100 years, dubbed "The Perfect Storm." This harrowing story of real people battling for survival on a sea gone wild became a best-selling book and a top-grossing film starring George Clooney. Against the backdrop of "The Perfect Storm," Captain Brudnicki will provide attendees with the 7 Steps to Making the Right Decision Every Time along with examples of the courage, leadership and teamwork that are necessary to triumph in our uncertain business climate. Through practical lessons learned from his experiences, the audience acquires powerful tools to make the correct decisions even in the most difficult of circumstances.

**Register now:  
[www.npra.org/NSC](http://www.npra.org/NSC)**

**Major Industrial Accidents:  
Common Causes and Themes**

*Mark Farley*

Pillsbury Winthrop Shaw Pittman

This presentation will examine several major industrial accidents that have occurred in the United States over the past 20 years and discuss common "lessons" that can be learned from them. Based on a review of investigation reports, this presentation will focus on common systemic failures that contributed to the accidents. Special emphasis will be given to consideration of safety culture and oversight in the context of these accidents.

**Secrets of DSA Winners**

To be announced

12:00 pm – 1:30 pm

**Lunch in the Exhibit Hall**

1:30 pm – 3:00 pm

**Workshops: Tracks 1-4**

3:30 pm – 5:00 pm

**Workshops Repeated: Tracks 1-4**

5:00 pm – 6:30 pm

**Reception in the Exhibit Hall**

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## **Workshops**

### **Track 1 –**

#### **Process Safety Metrics and Driving Improvement**

Presider:

*Willis Jernigan, Flint Hills Resources*

#### **Tackling both Personal Safety and Process Safety: Practical Actions that can Lead to Measurable Improvement**

*Dawn Wurst, Flint Hills Resources*

Process safety and personal safety are different. Facilities can leverage strengths in personal safety and work towards improvement in process safety. This presentation will include specific examples of actions taken and tools used by one refinery to improve on both fronts.

#### **Process Safety Leading Metrics – Measuring Progress**

*Mary Burns, CITGO Petroleum Corporation*

Leading indicators should impact performance to improve safety. Actionable metrics have become the next step in the evolution of process safety. This presentation will take a look at what should be done to meet and measure process safety progress.

### **Track 2 –**

#### **Personnel Safety**

Presider:

*Don Whaley, Delek Refining*

#### **Addressing “Man-Down” Situations in a Plant Environment**

*Fritz Kin, Marathon Petroleum Company  
Ken Johnson, Accenture*

In line with its commitment to providing a safe work environment, Marathon Petroleum Company teamed with Accenture to deploy the Accenture Life Safety Solution, a patent-pending, wireless-enabled gas detection system that helps protect workers in hazardous environments. The solution breaks new ground by combining Wi-Fi and location-based technologies with gas detectors to allow companies to remotely monitor incidents in hazardous environments such as refineries where dense steel infrastructure can make wireless safety solutions difficult to introduce. Marathon and Accenture will describe the Accenture Life Safety Solution, explain the criteria used to field test its viability, and discuss how refineries can leverage the Wi-Fi investment required for the solution to achieve benefits.

#### **Total Safety Journey at Air Products**

*Shakeel Kadri, Air Products and Chemicals*

This presentation will review the lessons learned, leadership actions taken, and risk management processes implemented following a tragic “safety” incident. We will also discuss and review our current focus on how we manage and execute our “Total Safety” requirements on a global basis, and the unique challenges and opportunities we face in the new world.

### **Track 3 –**

#### **Industrial Hygiene**

Presider:

*Mario Vasquez, Flint Hills Resources*

#### **Assessing and Improving Valve Ergonomics – A Valve Improvement Program**

*Jody Kliebert and Camile Trabeau, Motiva Enterprises*

This presentation will describe the valve ergonomic evaluation process developed for use at the Motiva Convent refinery with technical guidance from Shell Group Human Factors Engineering. Common ergonomic hazards related to valves and recommended corrective actions will be discussed.

#### **Turnaround Planning and Work Practice Controls**

*Kevin Grice, Chevron Corporation*

**Tuesday**  
**May 10, 2011**

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## **Workshops (continued)**

### **Track 4 –**

#### **Process Safety Management Practices**

Presider:

*Mike Mayo, Valero Energy*

#### **Predicting and Mitigating Risk of Catastrophic Incidents**

*Neal Walters, A.T. Kearney*

*Dan Romasko, Suncor Energy*

Despite a strong focus on personal safety in oil & gas, petrochemicals, and other asset intensive industries; serious process safety incidents continue to occur. Non-catastrophic process safety incidents result in more capacity/opportunity loss than planned maintenance and unplanned downtime from all other sources combined. In addition, these lesser events are a predictor of catastrophic events.

Human factors, rather than equipment failures or other mechanical causes, are the major underlying root causes of loss of containment events. As a result, the true underlying causes and trends are difficult to ascertain from assessing incidents individually. Treating incidents as isolated events and relying on incident frequency alone as a risk predictor can significantly underestimate risk and result in high potential for significant or catastrophic incidents.

The presentation will discuss these underlying root causes and risk measure elements and will recommend actions that can rapidly decrease and mitigate their risk exposure.

#### **Implementing a Program of Accurate P&ID's, SOP's, and CMMS That Drives Improved Safety and Reliability**

*Tyson Glass, Fluor Corporation*

The growing need to have accurate P&ID drawings, SOP's, and a CMMS requires a robust process that ultimately drives safety and reliability. It is much more difficult to meet these requirements without a seamless process that links these areas into a common unit.

**Wednesday**  
**May 11, 2011**

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## **General Session**

8:30 am – 11:30 am

Presider:

*Ronnie Meyers, Motiva Enterprises*

### **Keynote Panel**

*Rafael Moure-Eraso, Chairman, U.S.*

*Chemical Safety Board (invited)*

*Thomas Galassi, Director,*

*Enforcement Programs*

*Occupational Safety and Health*

*Administration (invited)*

### **EPA's Risk Management Program: The Road Ahead**

*Jim Belke, Environmental*

*Protection Agency*

This presentation will provide the Environmental Protection Agency's perspective on implementation of the Risk Management Program (40 CFR Part 68) at regulated U.S. facilities, and discuss the Agency's plans for the future of the program.

### **Regulatory and Legislative Update**

*Mark Dreux, Arent Fox LLP*

This presentation will focus on current regulatory and legislative actions undertaken by the government. Specifically, the continued and renewed focus on refining and chemical inspections, OSHA's expanded interpretation of REGAGAP and other aggressive interpretations, as well as any legislative activities.

11:30 am – 1:30 pm

### **Lunch in the Exhibit Hall**

Passport Program

1:30 pm – 3:00 pm

### **Workshops: Tracks 1-4**

5:30 pm – 9:30 pm

### **Safety Awards Celebration**

Celebrate the safety achievements of the industry with your peers and kick up your boots to the music of Little Texas.

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## **Workshops**

### **Tracks 1–4**

1:30 pm – 3:00 pm

### **Track 1 –**

#### **Fatigue Management: Panel Discussion**

Presider:

*Mike Norman, Delek Refining*

Panelists will share lessons learned from implementing a fatigue management policy.



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**Workshops (continued)**

**Track 2 –  
Contractors**

Presider:  
*David Carlin, Bay Ltd.*

**Welding Fume Management  
with a Special Emphasis on  
Hexavalent Chromium**

*Franklin Anderson, Zachry Industrial*

Welding is one of the most pervasive tasks across several industries, but in the maintenance and construction industries it poses its most significant health and safety risks. One of its challenges in control strategy is its complexity with the various types of welding, consumables, substrate metals and emission of multiple toxics. One of the toxic emissions of recent notoriety is hexavalent chromium for which OSHA issued a Final Rule on February 28, 2006, with the effective date, May 30, 2006, start-up date for all provisions, except engineering controls, November 27, 2006 and full implementation, including engineering controls, May 30, 2008.

**Track 3 –  
Employee Involvement in PSM –  
Pine Bend PSM Awareness Training**

Presider:  
*John Grabowski, CITGO  
Petroleum Corporation*

**Refinery Process Safety  
Management Awareness Training  
and Employee Involvement**

*Dawn Wurst and David Thompson,  
Flint Hills Resources*

Improved Process Safety Management (PSM) performance must start with the basics of awareness and involvement. This workshop will describe and show examples of PSM Awareness Training that have proven effective, along with elements of a functional PSM Employee Involvement program.

**Track 4 –  
Interpreting 1926 Subpart CC  
(Cranes and Derricks in  
Construction) for the Refining  
and Petrochemical Industries**

Presider:  
*Corey Wax, Valero Energy (Moderator)*

This panel will discuss the changes to 1926 Subpart CC and answer questions regarding how it will affect our industry with focus on the topic of maintenance versus construction as the general industry and construction requirements are reviewed.

## Sponsorship Opportunities

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A limited number of sponsorship opportunities are available. Sponsorships provide valuable marketing benefits, including publicity in the final program, special recognition during the conference, and other high visibility exposure to attending safety professionals and others. Contact Colleen Van Gieson, [cvangieson@npra.org](mailto:cvangieson@npra.org), for more information.

## Certified Points

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### **Certified Safety Professional (CSP)**

The Board of Certified Safety Professionals may grant CSP Continuance of Certification (COC) points for attendance at the National Safety Conference without pre-approval. Please refer to the Board of Certified Safety Professionals website at [www.bcsp.org](http://www.bcsp.org) for more information.

The responsibility for applying for these points lies with the individual CSP. NPRA will provide the necessary receipt on-site for the convenience of the registrant.

### **American Board of Industrial Hygiene (ABIH)**

NPRA is currently requesting ABIH to grant certification maintenance (CM) points. Further details will be available in the final program.

## Vendor Passport Program

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Once again, this year's exhibition will feature the Vendor Passport Program. By visiting the participating suppliers and consultants, you will learn about their latest products and services, and also have the opportunity to receive special giveaways donated by the exhibitors. Pick up your "passport" at registration and get it stamped at the booths for your chance to win.



### 1. Conference Registration and Tickets

Log on to [www.npra.org/NSC](http://www.npra.org/NSC) and select "**Register Now**" or complete the enclosed registration form. Full registration includes admission to the General and Breakout Sessions, and the Reception and Luncheons on Tuesday and Wednesday in the exhibit hall. Order tickets for the Safety Awards Celebration separately. Refer to the registration form for conference and ticket fees. On-line registration closes May 2.

You'll save \$100 if you register by April 11!

### 2. Hotel Reservations

Reserve your hotel on-line when you register at [www.npra.org/NSC](http://www.npra.org/NSC) and receive an immediate acknowledgement of your reservation. Or, fill in the appropriate space on the enclosed registration form. Hotel reservation requests will be processed in the order received by the NPRA. Get immediate acknowledgement on-line but allow 2 weeks if submitted to NPRA.

All individual reservations must be guaranteed by a major credit card. Cancellation policy is 72 hours prior to arrival is no charge and after 72 hours is \$50.00 cancellation fee. The day of arrival will be charged in full. April 11, 2011, is the cut-off date for making hotel reservations, cancellations or substitutions through NPRA or on-line. Beginning April 19, 2011, reservations, substitutions, or cancellations must be made through the hotel directly.

### 3. Spouse Registration

For just \$100.00, your spouse can join you at the exhibit hall sessions as well as the included business sessions. A separate ticket must be purchased for the Safety Awards Celebration.

### 4. Payment

Pay by credit card. NPRA accepts American Express, MasterCard and Visa.

### 5. Travel

AVIS is the official rental car agency for the NSC. Call 800-331-1600 and refer to AWD#:B761399 to receive discounted rates.

### 6. Confirmation

Your registration will be confirmed via e-mail if you provided us your email address. Otherwise, your confirmation will be sent via U.S. mail.

### 7. Sponsorships

Show your support for your industry association. Contact Colleen Van Gieson for sponsorship opportunities at 202-457-0480 or [cvangieson@npra.org](mailto:cvangieson@npra.org).

### 8. Attire

Conference: Business casual (shirts with collars; no ties, jeans, sneakers or shorts). Awards Celebration: Classic Cowboy/Dressy Western.

### Cancellation Policy:

Registration cancellations may be made on-line or submitted in writing, faxed to 202.835.0467 or e-mailed to [NSC@npra.org](mailto:NSC@npra.org). Cancellations may be made by April 11, 2011 with no penalty. Written cancellations postmarked, faxed, or emailed between April 12 and April 25, 2011 will receive a refund of fees, less a \$50 processing fee. No refunds after April 25, 2011. No telephone cancellations.

Substitute conference registrations may be made in advance or on arrival with no penalty. Registration substitutions must be submitted in writing, faxed to 202.835.0467 or e-mailed to [NSC@npra.org](mailto:NSC@npra.org).

### One-day Pass and Ticket

#### Refund Policy:

Refunds will be made on one-day passes or awards celebration tickets purchased if request is received in writing by April 25, 2011. No refunds after April 25.

No Suitcasing Please. Please note that while all meeting attendees are invited to the exhibition, any attendee who is observed to be soliciting business in the aisles or other public spaces, in another company's booth, or in violation of any portion of the NPRA Exhibition Policy will be asked to leave immediately. Please report any violations you may observe to show management.

#### Registration Policy:

Those who are present at the site of an NPRA meeting and/or occupy a hotel room in the NPRA room block to conduct business with industry personnel gathered for that meeting are expected to register for that meeting and pay the registration fee, whether or not they attend a specific function.

#### Spouse/Guest Policy:

A guest is a spouse/significant other, friend or an adult child (18 years old or older) who is not in an industry-related occupation. A co-worker, an associate or spouse who works within the industry may not use the Spouse/Guest Registration category. Guests are not permitted to work in an exhibit booth. Children under 18 are not permitted in the exhibit hall.

#### Fee Policy:

Eligibility for member rates is based on membership information currently on file with NPRA. If your company is not currently a member, the non-member fees will be charged to your credit card.

### **Ethical Responsibility and Professional and Personal Conduct Code**

The National Petrochemical and Refiners Association ("NPRA") has adopted the following "Ethical Responsibility and Professional and Personal Conduct Code" (hereinafter, "the Code"). Every member of NPRA, their designated representatives, and non-member attendees at all NPRA meetings and forums agree to abide by the Code as a condition of membership in NPRA and attendance and participation at NPRA meetings and forums.

The Code requires the following of all individuals attending NPRA meetings and forums:

- Adherence to the NPRA bylaws and the NPRA policies and procedures, as adopted by NPRA's Board of Directors.
- Strict compliance with federal antitrust laws.
- Adherence to all applicable federal and state laws.
- Maintenance of the highest level of professional and personal ethical behavior while attending NPRA meetings and forums.

- Prevention of certain behaviors, including harassment, violence, intimidation and discrimination of any kind involving race, color, religion, national origin, gender, sexual orientation, age, disability or, where applicable, veteran or marital status.
- Assurance that conduct at all times and in all professional and personal dealings with each other and other attendees with the highest level of integrity and courtesy.
- Sharing of knowledge and expertise as speakers at NPRA educational events and sessions whenever practicable, without soliciting or explicitly promoting their own organization's products or services.
- Working to instill public and consumer confidence in the petrochemical and refining industries, its member companies, and its professionals, avoiding any action conducive to discrediting members of NPRA.
- Refraining from scheduling general attendance meetings, receptions or other events at times that conflict with substantive programming or social events at NPRA meetings without express written permission of NPRA.

Failure to abide by the Code may result, for the first offense, in informal censure of a company or individual by the NPRA Executive Committee. If violations of the Code continue after such an informal censure, a company may be subject to expulsion from NPRA, or an individual to exclusion from participation in NPRA activities, by the Board of Directors.

### **Entertainment Policy:**

We ask your cooperation in observing Association policy on activities held in conjunction with any NPRA meeting:

- Meetings or social activities should not be scheduled that take registrants away from NPRA programs and NPRA-sponsored activities;
- Any company sponsoring a function to which 25 or more people are invited should outline its plans for advance approval by NPRA. In general, such functions will be approved if they do not unduly take registrants away from NPRA-sponsored activities;
- All representatives of companies sponsoring hospitality activities are expected to register for the meeting;
- Hospitality suites are expected to close by 1:00 am;
- Food, beverage and service personnel (bartenders, hostesses, etc.) must be obtained through the hotel catering department;
- Suite promotional activities are to avoid the use of elaborate entertainment, expensive door prizes, suite attendance solicitation by individuals who are not full-time employees of the sponsoring company, or other similar activities.

**Step 1: Attendee Profile**

Please fill out completely. Badges will be printed from this information.

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Phone (Area/Country/City Code) \_\_\_\_\_ Fax (Area/Country/City Code) \_\_\_\_\_

E-mail \_\_\_\_\_

This is not a permanent address change.

Spouse/Guest Name (if attending) \_\_\_\_\_

Check here if you require special needs.  
 Please attach a description of your needs.

**Step 2: Meeting Registration**

	By April 11	After April 11
<input type="checkbox"/> Member	\$ 525 _____	\$ 625 _____
<input type="checkbox"/> Non-Member	\$1045 _____	\$1145 _____
<input type="checkbox"/> Spouse/Guest	\$ 100 _____	\$ 100 _____

Wednesday

<input type="checkbox"/> Safety Awards		
Banquet Ticket	\$ 100 _____	\$ 100 _____

Exhibitor Only One-Day Passes  
 (Not needed with full registration)

<input type="checkbox"/> Member Pass	\$ 275 _____	\$ 325 _____
<input type="checkbox"/> Non-Member Pass	\$ 525 _____	\$ 575 _____

API ANSI RP 754 Process  
 Safety Metrics Workshop

<input type="checkbox"/> Member	\$ 150 _____	\$ 200 _____
<input type="checkbox"/> Non-Member	\$ 295 _____	\$ 345 _____

**Total Amount Due** \_\_\_\_\_

Name of Member Company \_\_\_\_\_  
 Not sure if your company is a member? Go to [www.npra.org](http://www.npra.org)

**Step 3: Payment Information**

Payments to NPRA are not deductible as charitable contributions for federal income tax purposes. However, they may be deductible under other provisions of the Internal Revenue Code.

VISA       MasterCard       American Express

Credit Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Name of person on card (Please print) \_\_\_\_\_

Billing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Signature (Required, authorizing charge & acknowledging cancellation/refund, fee, registration, & spouse policies and ethics code.) \_\_\_\_\_

**Step 4: Hotel Reservation**

Reservation requests must be accompanied by paid conference registration to be processed. Room rate is \$185 single/double occupancy at the Omni Fort Worth, 1300 Houston Street, Fort Worth, TX.

Arrival Date \_\_\_\_\_ Departure Date \_\_\_\_\_

If no dates are indicated, we will assign arrival Monday, May 9 and departure Thursday, May 12.

Room Type:       One Bed       Two Beds

Number of People in Room: \_\_\_\_\_

Special Requests:  Disability       Other

Room Guarantee:  AMEX       VISA  
 MasterCard       Discover       Diners

Credit Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

Frequent Guest Number \_\_\_\_\_

Register on-line to receive immediate acknowledgement of hotel reservation. April 11 is the final cut-off date to reserve a room. Contact the hotel directly with changes or cancellations beginning April 19, 2011.

**Register by Fax:**

Register by fax with credit card information to 202.835.0467.

**Register by Mail:**

NPRA  
 1667 K Street, NW  
 Suite 700  
 Washington, DC 20006