



NACE Edmonton Section Presents

The DuPont Elastomer Course

Selecting, Specifying and Procuring the Best Elastomeric Sealing Components

Tuesday, January 17, 2006

**Coast Terrace Inn Edmonton South
4440 Gateway Boulevard North
Edmonton, AB**

Cost:

NACE Members: \$395.00 + GST (Lunch Provided)

Non-Members: \$425.00 + GST (Lunch Provided)

The above costs include the Elastomer Guide, a \$250.00 value!

For more information, please contact:

Ana Benz

Phone: (780) 437-2022

E-Mail: abenz@irisndt.com

Kevin Reaville

Phone: (780) 920-2776

E-Mail: kevin.g.reaville@conocophillips.com

Attendance is limited to 40, so register early!!

DUPONT ELASTOMERS L.L.C. TRAINING PROGRAM

“Selecting, Specifying and Procuring the Best Elastomeric Sealing Components” for:

- new applications
- to accommodate process changes
- after failure analysis

Who Should Attend?

This training program has been designed for engineers working in various roles (design, reliability, materials, maintenance, quality, etc.), equipment manufacturers, specifiers and purchasing.

How Does This Program Bring Value to Our Company?

Specifying and using the most cost effective sealing components is vitally important in assisting plants to improve “up-time”, extend equipment mean time between repair, reduce emissions and more effectively complying with government regulations. This program delivers the tools and the methodology to enable Engineering and Purchasing to jointly arrive at the most cost effective sealing solutions to achieve your objectives.

What’s Included in the Training Program?

The training program is an interactive, one-day event that includes three elements:

- (1) **The Seminar:** A thorough presentation of elastomer technology which is essential for understanding the performance capabilities and limitations of elastomeric sealing materials and for successfully discussing issues with vendors.
- (2) **The “Guide”:** A complete, structured and user-friendly manual of Elastomers knowledge and information. The attendees become familiar with its contents during the seminar. Back at the plant, attendees will use the “Guide” to answer questions and resolve most issues and problems associated with elastomeric sealing products.
- (3) **The DuPont Elastomers Web Site:** A unique, comprehensive body of Elastomers information (including extensive fluids compatibility data) structured for the engineering community.

What Specific Information Will We Receive?

Altogether, these three elements work synergistically to afford a practical understanding of the following important topics:

- fundamentals of elastomer technology and performance
- mechanical properties (what's important?)
- chemical compatibility (how to interpret it)
- practical thermal limits (high and low temperature)
- testing (when, what and how?)
- troubleshooting and failure analysis (with corrective action)
- a step-wise methodology for selecting sealing products
- how to specify elastomeric sealing products
- identification of reliable suppliers
- managing the supply chain to assure seal quality
- suggestions for implementing positive change back at your plants
- valuable resources for assistance on these and other topics

What's The Bottom Line?

This training program puts your company in an advantaged position to identify areas of "need" at your plant site(s) and to proactively initiate corrective actions to select, specify and procure the most cost-effective elastomeric sealing components.

AGENDA

“Selecting, Specifying and Procuring the Best Elastomeric Sealing Components”

- Introductions
- Expectations
- The supply chain for elastomer seals/issues
- Elastomers 101
 - How Elastomers differ from plastics
 - Keys to elastomer sealing performance
 - Polymer architecture
 - Compounding
 - Curing
- Temperature compatibilities
- Chemical compatibilities
- Specialty Fluoroelastomers
- Perfluoroelastomers
- Life cycle costing (value vs. price)
- Overview of “The Guide”
- Examples using “The Guide”, including . . .
 - Elastomer compatibilities
 - Elastomeric material selection process
 - Failure and failure analysis
 - Testing of Elastomers
 - Writing good specifications
 - Sources of elastomeric sealing products
 - References and resources
- Utilizing this information at our plants
 - Issues for consideration
- Thank you and seminar evaluation

DuPont Elastomers Training Program

“Selecting, Specifying and Procuring the Best Elastomeric Sealing Components”

Approximate Schedule:

7:30 – 8:00 a.m.	<i>Buffet Breakfast</i>
8:00 – 10:00 a.m.	Seminar – Part #1
10:00 – 10:15 a.m.	<i>Break</i>
10:15 – 12:00 p.m.	Seminar – Part #2
12:00 – 12:45 p.m.	<i>Lunch</i>
12:45 – 2:30 p.m.	Seminar – Part #3
2:30 – 2:45 p.m.	<i>Break</i>
2:45 – 5:00 p.m.	Seminar – Part #4

Today’s Meeting Guidelines:

- Stay on schedule
- No cell phones or beepers
- Active participation
- Learn and enjoy the day

