

**REGISTRATION FORM**

\$995 per person through July 31, 2009  
\$1,095 per person after July 31, 2009

- Enclosed is a check payable to Intek, Inc.
- Please charge to my Visa / MasterCard

# \_\_\_\_\_ Exp. \_\_\_\_\_

Signature: \_\_\_\_\_

- Please invoice me

NAME \_\_\_\_\_

POSITION/TITLE \_\_\_\_\_

COMPANY \_\_\_\_\_

PLANT \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

*Forward registration form and payment to:*

Intek, Inc.  
751 Intek Way

Westerville, OH 43082

Phone: (614) 895-0301 • Fax: (614) 895-0319

E-mail: [sales@intekflow.com](mailto:sales@intekflow.com)

*Please attach a list of specific questions you would like our experts to address regarding condenser operations at your plant.*

Space is limited and registration is on a first-come, first-served basis. Contact Cambria Suites (614) 841-9100, to reserve a room in the Intek block at the group rate of \$99/day plus tax. **Make your reservation by August 31, 2009 to receive the discounted rate.**

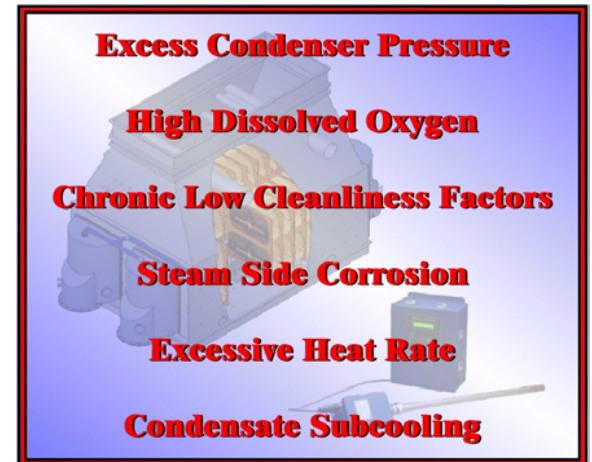


Intek, Inc.  
751 Intek Way  
Westerville, OH 43082

**RheoVac<sup>®</sup> and  
Rheotherm<sup>®</sup> Systems  
Condenser Operations  
and Management Workshop**

September 16-17, 2009  
Cambria Suites  
Columbus, Ohio

**You Know the Symptoms**



**But Have You Diagnosed the Cause?**

**Intek - The Gateway to  
Improved Condenser Performance,  
Fast Response Maintenance, and  
Optimized Operations**

Understand how *RheoVac* and *Rheotherm* circulating water flow and fouling meters (CWWF) data can be used to troubleshoot your condenser and make practical decisions that reduce heat rate and improve the management of cycle chemistry.

## LEARN HOW CONDENSERS REALLY WORK!

- ✓ Identify equipment failure
- ✓ Manage back pressure
- ✓ Assess vacuum quality
- ✓ Quantify cooling water flow & fouling
- ✓ Understand why design can reduce plant performance potential
- ✓ Differentiate fouling due to biological growth, scaling, or debris
- ✓ Results of condenser retrofit on back pressure and chemistry



## LEARN FROM THE EXPERTS

- ✎ How dissolved oxygen, corrosion and condenser pressure are affected by air binding, air in-leakage, and inadequate air removal
- ✎ How *RheoVac* data, *Rheotherm* CWFF data, and plant data can be used to identify deficiencies in condenser design
- ✎ How to measure exhauster capacity and performance
- ✎ How to assess the threshold above which air in-leakage affects performance
- ✎ How to maintain zero excess back pressure

## WHO SHOULD ATTEND

- **Managers**
- **Engineers**
- **Chemists**
- **Operators**

Anyone responsible for reducing forced outages, reducing heat rate, controlling corrosion, or improving condenser performance will benefit from participation in this workshop.

The experts at Intek developed this program to provide insight into the complex dynamics of condensers and the root causes of issues that affect condenser performance. You will learn new methods and measurements to more easily diagnose the causes of problems, how to take appropriate corrective actions, and when to use outside services to improve performance, save time, effort and money for your company.

Case studies, using real data from power plants throughout the country, will be used to illustrate how you can make decisions that have an immediate impact on the bottom line.

## WORKSHOP AGENDA

- **Theory of Steam Surface Condensers**
- **Condenser Performance Assessment**
- **Diagnostics with *RheoVac* Data**
- **Case Studies**
- **Impact of Configuration Deficiencies**
- **Online Diagnostics**

**1 CEU from *The Ohio State University***

## WHAT DID PAST ATTENDEES SAY?

*"I gained valuable knowledge that I had never been exposed to in 30 years of plant work."*

*Paul Licht – MidAmerican Energy*

*"I came to this workshop with a certain amount of knowledge based on hear say. This workshop helped me to determine which things that I had learned were true and which were false. I was also surprised by how much the things that I learned made sense. I am looking forward to getting back to the plant and implementing the things that I have learned."*

*Stan Minter – American Electric Power*

*"Excellent insight into condenser operation and troubleshooting. Good forum to share operational experiences."*

*Kelly Callfas - Bruce Power*

*"The explanation of back pressure versus water vapor-to-air mass ratio measurement was educational. It tied in well with our Fe/Cu transport issues when air in-leakage and hydrazine concentrations were high."*

*Lee Shubert – Omaha Public Power*

*"Great understanding of troubleshooting. Could save us potentially several days of outage."*

*Jim Grunloh – Ameren*

