

**2012 Compressed Air Nuclear User's Group (CANUG) Agenda  
Marriott Rivercenter Hotel, San Antonio, TX**

Conference Room 12

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**DAY 1 Monday, January 16th ---SPX/Pneumatic Products**

**8:30 Opening Comments Introductions**  
Course Outline  
Attendee Special Interest - Goals

**9:15 Fundamentals of Compressed Air**  
Basic Compressed Air Theory (28)

**9:45 Compressed Air Industry's Fourth Utility**

**10:00 \*\*\*\*\*MORNING BREAK\*\*\*\*\***

**10:15 Contamination of Compressed Air Need for Dry Air (22)**

**10:45 Compressed Air System Components**  
Fundamentals of a Compressed Air System (21)

**11:45 Principles of Air Compressors**

**12:00 \*\*\*\*\*LUNCH\*\*\*\*\***

**1:00 Fundamentals of Adsorption/Desiccant**  
Adsorption Theory (18)

**1:30 Basic Dryer Types**  
Fundamental Dryer Types (26)

**2:30 \*\*\*\*\*AFTERNOON BREAK\*\*\*\*\***

**2:45 Fundamentals of Filtration: Filtration Theory & Samples (30)**

**3:30 Daily Review**  
Questions & Answers

**4:00 Adjourn For The Day**

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**DAY 2 Tuesday, January 17th**

**8:30 Day 1 Review Questions**  
Course Outline

**9:00 Common Energy Management Systems**  
The Need for Energy Management (12)

**9:30 General Switching Valve Types Switching Valve Types (22)**

**10:15 \*\*\*\*\*MORNING BREAK\*\*\*\*\***

**10:00 Troubleshooting the System**  
Troubleshooting (17)

**10:30 Typical Dryer Maintenance Preventive Dryer Maintenance (23)**

**12:00 \*\*\*\*\*LUNCH\*\*\*\*\***

~~**1:00 Hydrogen Coolant Purifier**~~  
~~Generator Coolant Purification (36)~~

**2:30 Dryer Modernization Opportunities**  
Modernizing (12)

**3:00 Industry Experience/Scenario Discussion**  
Classroom Roundtable Discussion

**4:00 Session Wrap Up and Closing Comments**  
Course Review

**4:15 Adjourn Class**

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## Wednesday Morning, January 18th

8:00 - 9:10 Morning introductions and Questions/Goals  
(Someone to volunteer to set up a meal for Thursday Evening for the CANUG members)

9:20- 10:20 "VC Summer Station Instrument Air Compressor and Dryer Replacement (Justin Leitzsey, VC Summer, South Carolina Electric & Gas)

10:30- 11:20 SOER 88-1, Lessons Learned from Numerous Inspections  
(Joe Sears--Institute of Nuclear Power Operations, Oconee Nuclear Station, Duke Energy)

## Wednesday Afternoon, January 18th

1:30 - 2:20 SOER 88-1 Response and Recent Inspection Learning Opportunities.  
Bring computer file that can be shared.  
(Bill Eister--Facilitator, Oconee Nuclear Station, Duke Energy)

2:30 - 3:20 Year in Review----- Bring your System Walkdown and Health Reports, each plant will have the opportunity to discuss events of the year and plant health.  
Note: I will have a computer projector if you have PowerPoint or Pictures  
(Bill Eister--Facilitator, Oconee Nuclear Station, Duke Energy)

3:40 - 5:00 **Compressed Air Specialist Guideline**  
(Bill Eister--Facilitator, Oconee Nuclear Station, Duke Energy)  
(NOTE: Wednesday Evening take time to review System Health Reports in preparation for discussion on Thursday)

## Thursday Morning, January 19th

8:00 - 9:00 Ingersol-Rand Compressor presentation: Reliability, Managability,  
(TBD, IR)

9:10 - 10:00 Ingersol-Rand Compressor presentation: Reliability, Managability,  
(TBD, IR)

11:00 - 12:00 Ingersol-Rand Compressor presentation: Reliability, Managability,  
(TBD, IR)

## Thursday Afternoon, January 19th

1:30 - 3:30 Continued Plant Air System Health Report discussion. (Each Plant represented has an opportunity to discuss the Health of their System.)  
(Bill Eister as Facilitator Oconee Nuclear Station)

4:00 - 5:00 TBD  
(NOTE: Plan to go to supper/dinner with the CANUG members and their Spouses/Children)

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**Friday Morning, January 20th**

**8:00 - 9:30 Finalize Development of Instrument Air Engineer/Specialist  
(Bill Eister, Facilitator)**

**9:30 - 11:30 Challenges for this past year Bill Eister (Facilitator)  
Future Opportunities, Future CANUG Direction,  
Bill Eister as Facilitator (Oconee Nuclear Station)**