



## QUARTERLY UPDATE

### PROJECT UPDATES

#### **New CFB Boiler Addition**

Cummins & Barnard (C&B) has conducted an engineering study to install an additional CFB unit at an existing mill site. The new CFB combustion technology boiler is expected to simplify and consolidate plant operations and improve overall boiler reliability. C&B is responsible for project definition, schedule and cost estimates and AQCS requirements.

#### **FirstEnergy, AQCS Projects**

C&B continues to provide Owner's Engineer services, including cost and schedule reviews, engineering reviews and constructibility analyses for AQCS retrofit projects at FirstEnergy's W.H. Sammis Plant. The Sammis project includes an SCR installation for Units 6&7 (630 MW each) and a new wet FGD installation for all seven coal-fired units totaling some 2,300 MW of generating capacity. The project requires installation of some 7,000 feet of ductwork, three FGD absorbers and construction of a new 850 foot chimney that will accommodate three 30-foot in diameter flues. Due to poor soil conditions at the site, installation of the FGD system will require use of over 7,300 piles with a total length of almost 700,000 lineal feet, or approximately 130 miles. The project is located on the Ohio River 30 miles north of Steubenville, Ohio.

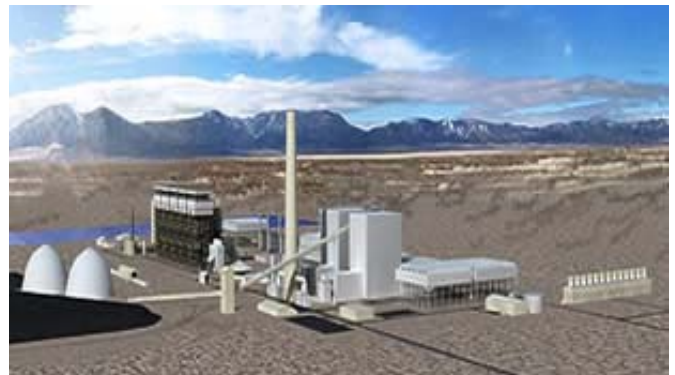


#### **Florida Power & Light**

Cummins & Barnard has been chosen by Florida Power & Light (FPL) as an Independent Engineer to review and assess the contracting strategy and cost estimate for their 2 x 980 MW coal-fired Glades Power Park project development and render opinion as to the reasonableness and competitiveness of the approach and results in the present market. This work will form the basis of testimony to be part of FPL's Rate Case for project approvals with the Florida Public Service Commission.

#### **Sierra Pacific Resources**

Cummins & Barnard is providing comprehensive Owner's Engineer and Program Management services to Nevada Power and Sierra Pacific Power for development of a 1,500 MW coal-fired power station. The first phase of the Ely Energy Center (EEC) project is based on two 750 MW supercritical PRB-fired units and will be the largest power project in the state since construction of the Hoover Dam. The EEC project includes over 100 miles of rail spur and over 200 miles of 500 kV transmission line to provide power to both northern and southern Nevada. C&B's services include developing contracting and project execution strategies; drafting plant design criteria documents; defining project schedule and preliminary project cost estimates; performing various studies and optimizations and documenting recommendations in white papers; preparing detailed technical specifications for major equipment including boilers, steam turbine generators and AQCS systems; development of EPC bid specifications; assembling and disseminating bid packages; performing bid evaluations; and supporting contract negotiations and awards.



### PROFESSIONAL ACTIVITIES

#### **Air Conditioning Article Publication**

Wei Sun, P.E. has authored an article entitled "The U.S. Market for Packaged Air Conditioners" which was published in the *Japan Air Conditioning, Heating & Refrigeration News (JARN)* in May of 2005. The article received further attention and was featured in the July-September 2005 Issue of the *India Air Conditioning and Refrigeration Journal*, the largest HVAC&R magazine in India.



## QUARTERLY UPDATE

### PROFESSIONAL ACTIVITIES, continued

#### **New Member of the American Welding Society**

P. Jason Dobson, P.E. has been invited to apply for membership on the American Welding Society's committee on piping and tubing. Jason will be part of:

**D10** - Piping and Tubing

**D10I (D10.21)** - Guide for Welding Advanced Chromium-Molybdenum Steel Piping and Tubing

**D10P (D10.10)** - Recommended Practices for Local Heating of Welds in Piping and Tubing

Advanced materials such as P91 and P92 are becoming important in the industry, especially regarding their use in supercritical coal-fired plants. Jason's involvement in these committees will benefit C&B clients and design efforts.

#### **ASME Performance Test Code**

Andy Sutherland, P.E. has been a member of the ASME Performance Test Code for Fired Steam Generators committee (PTC-4) since 2004. PTC-4 is a code that provides standard procedures for the testing and performance evaluation of boilers. During his time serving on the committee, Mr. Sutherland has compiled research in response to technical inquiries, including an analysis of the accuracy of Thermocouples in comparison to RTDs for long term high temperature applications and revisions of Sections 4 and 5 of the Code to clarify items that had caused confusion for the end user. The committee is currently working on revising the performance calculation program which will accompany the next issue of the code.

#### **New AACE Board Member**

Robert Bakewell, CCC is serving a two-year term on the Association for the Advancement of Cost Engineering (AACE) International's Board of Directors. Bob was named Director of Region 4 during the 50<sup>th</sup> Anniversary Meeting of AACE on June 19-22, 2006, in Las Vegas, Nevada.



Mr. Bakewell has been an active member of AACE International for more than 30 years and a Certified Cost Consultant (CCC) for more than 20 years. Bob has served AACE International as Chair of the Long-Range Planning Committee and was Chair of the AACE International Education Board from 1998-2002.

He has served in many capacities at the section-level including holding positions of Director, Vice President and President of the East Tennessee Section. Bob has taken an active role in the Great Lakes Section of AACE as well. In 2001, AACE International awarded Bob with the Charles V. Keane Distinguished Service Award for outstanding service to a local AACE section. He was awarded an Honorary Life Member in 2004.

#### **BE Conference 2007, April 29-May 3**

Kurt Huss has been selected to present "The Convenience of AutoPlant Multi-Discipline Plant Design" in Los Angeles, California. The presentation showcases the 3-D capabilities of AutoPlant and various available software features.



### PEOPLE

#### **Chuck J. Hookham, P.E.**

Chuck Hookham joined Cummins & Barnard in the fall of 2006 as Vice President with a focus on project management. He also serves as a member of the C&B Executive Committee. Prior to joining C&B, Chuck was an Associate Vice President at Black & Veatch. Chuck has over 25 years of professional engineering experience in the power industry. His roles and responsibilities have varied from design engineer through project manager of EPC contracts for major power generating and process facilities located throughout the United States, Canada, Europe, and South America.



#### **Robert G. Shilander**

C&B recently hired Bob Shilander to support constructibility review, equipment procurement and quality assurance. He has over forty years of experience in construction, engineering and corporate management; multidiscipline field engineering; and problem solving in power plant and large industrial facility development, design, construction, maintenance, and modification. Bob's worked on many sites including E.ON U.S.'s Trimble County, Constellation Energy's Brandon Shores, WeEnergies' Presque Isle Power Plant, and Consumers Power's J.H. Campbell Power Plant.





# QUARTERLY UPDATE

## PEOPLE, continued

### **Stewart M. Powrie, P.E.**

Stu recently joined C&B as a Senior Project Engineer. He has over thirty-seven years of experience as a senior project manager, construction site manager, site engineering manager and chief field engineer for gas, waste wood, coal, and nuclear facilities. Experience includes site project planning, design review and oversight, constructibility reviews, field installation planning, rigging and equipment installation design, field surveys, technical support and quality assurance.



## CORPORATE EVENTS

### **Oktoberfest**

On Thursday, October 12, 2006 C&B employees gathered for the annual celebration of Oktoberfest. The menu included authentic German cuisine such as bratwurst, sauerkraut, spaetzle and pretzels. Many family members were able to participate too.



### **Holiday Care Packages to U.S. Soldiers in Iraq**

The first Friday of every month, C&B has a "Jeans for a Cause" fundraiser for various non-profit organizations. C&B nominated December to provide care packages to U.S. troops in Iraq. Over 1,000 dollars was raised to send holiday cheer to the soldiers as well as school supplies, books and toys for local children.



### **Ladies Holiday Lunch**

On Friday, December 8, 2006 the ladies of Cummins & Barnard enjoyed a holiday lunch together. The fun included a gift exchange and plenty of delicious food.



### **C&B Holiday Party**

On Friday, December 15, 2006 the company celebrated the holiday season together at a holiday party. The night included appetizers followed by a presentation of the year in photographs set to music. There was a sit down dinner served before the dancing began.

