



BoilerBlast News

Energy

The chorus of the Bobby Russell song, "When the Lights Went out in Georgia" goes, "That's the night the lights went out in Georgia. That's the night that they hung an innocent man. Don't trust your soul to no back woods southern lawyer. Cause the judge in the town got bloodstains on his hand." For those of you who have not heard, EPA has issued an Endangerment Finding for CO₂. Although based on the latest commercials running in the DC area, (man-made CO₂ accounts for only three percent (3%) of the total CO₂ Contribution to the atmosphere) Man-made CO₂ is endangering all human life. The implications of this are that any Energy is bad if not generated from "Zero" Carbon Fuel – Wind or Solar – or CO₂ neutral fuel like biofuel or off-set with Carbon Sequestration. The question of what is neutral is, over what time span can that neutrality be calculated? Sixty Million years and coal could be considered a CO₂ neutral fuel. The other question is what can be considered sequestration. As more scientists jump from the man-made CO₂ train, and the earth continues to cool, the NGOs have to move fast to get something done – science-be-damned. Part of the compromise to get everyone on board will be to fund Clean Coal & Carbon Capture and Sequestration (CC/CCS). We have made a couple points in this regard to Senator Dorgan's (D-ND) CC/CCS Work Group: 1. Flexibility must be included in the definition of Clean Coal Technologies to include pre-combustion, combustion and post-combustion technologies regardless of size. 2. Flexibility must be included in the definition of Carbon Capture and Sequestration. A one technology, one size fits all could smother innovation and slow the development of yet to be discovered beneficial technologies. These are more often than not developed at the small scale than the grand utility scale. 3. A set-aside for Non-utility projects equal to 10% to 30% of the overall CC/CCS Funding should be included for management by NETL and broken down in three classifications; proof of concept, development of technology and demonstration at scale. 4. Project funding evaluations should be made based on the delivered cost of electricity to the target market including line losses for transmission; commercial readiness of individual parts; cost of knowledge gained, risk of failure, commercialization potential and contribution percentage.

There is an Energy Bill moving forward in the Senate. Energy Efficiency, Smart Grid, Renewable Portfolio Standards, Energy Efficiency Resource Standards, Transmission and Decoupling are all subjects that will impact how Combined Heat & Power and the Industrial, Commercial and Institutional facility are treated. Restoring America's Manufacturing Leadership through Energy Efficiency Act of 2009 (S-661) for all practical purposes supports funding DOE Energy Efficiency's Office of Industrial Technology and the National Academies of Science teach industry how to be efficient and to encourage and reward innovation in processes and technologies. It establishes a joint industry-government manufacturing partnerships to shift our industry towards utilizing advanced, sustainable manufacturing technologies and processes to compete in a low-carbon global economy. For years, CIBO has been advocating the need for manufacturing/non-utility Energy R&D funding. This is it; or, is this it? How it is accomplished has set the wheels of Washington into motion with the government having money to give out. Any organization or consulting firm with energy in its name, or in any way thinks it can contract its services to DOE or obtain funding to do this is getting involved in the government spending feeding frenzy. As something CIBO has been doing for over 30 years now, without government funds, maybe it is time for CIBO to jump into the fray. We will talk about this in the June Committee Meetings.

Environment

Boiler MACT -- Part II of the Information Collection Request after two rounds of comments and modifications should be going over to the Office of Management and Budget for final approval and hopefully a letter issue date of somewhere around May 15, 2009. For those of you on the list to receive the letters, we understand our comments have been addressed to provide flexibility in the testing protocols. At this point, the Boiler MACT Rule proposal date remains July 15, 2009 with a final Rule by July 15, 2010. There is some discussion regarding a potential extension to the December time frame. With the testing period extended to 120 days, the proposed rule will have to be written in a way that will allow the information from the testing to be incorporated into the final rule. We expect that we will not know many details until the Industrial Emissions Control Technology Conference in Portland, ME, August 3-6, 2009 after the July 15 proposal date. There continue to be many questions that have to be answered. How are the baselines defined, and for what sub-categories? How is variability calculated for the best performing 12% of the sub-category? What surrogates will be used for what HAPs to be considered? We will get into this at June 9 & 10, 2009 Committee Meetings.

CAIR – At EPA's invitation, CIBO gathered our members and invited AF&PA, ACC and the Auto Alliance to join us in an initial meeting to discuss the next CAIR Rule. EPA is in the process of investigating all possibilities and desires of all sectors as they prepare for drafting a new rule. Until an Assistant Administrator is approved by the Senate and decisions made as to what direction EPA will take, the Clean Air Markets Division is collecting all information possible on all

CIBO Meetings:

June 9-10, 2009
Technical focus
Group,
Environmental &
Energy Committee
Meetings
Arlington, VA

CIBO's 2009 **Conferences**

June 1-3, 2009
Fluidized Bed
Combustion XXII
Conference
Hershey, PA

August 3-6, 2009
Industrial Emissions
Control Technology VII
Conference & Regulatory
Workshop
Portland, Maine

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alternatives to brief the Assistant Administrator upon arrival and move rapidly to a proposed Rule by January 2010 and final rule by January 2011. A number of states and the environmental community have been asking EPA to include the Industrial Sector as part of any new CAIR Rule, as we have seen from the LADCO Presentation at the last OTC Meeting. A copy of our discussion summary that EPA will include within the Docket for this rule making has been sent to all our committee members. If you did not get a copy, please let us know.

The only emission not covered under MACT or CAIR is Coal Ash – and that is covered under RCRA and the Office of Solid Waste along with the definition of a waste and a fuel. OSW is now working on coming up with an ash rule based on a Modified Hazardous Waste "C" Classification. We are involved with a number of coalitions to address the subject and are in the process of putting together some general ash management guidelines based on EPA's General "D" guidance.

CISWI Fuel Definition – On the definition of a fuel/Waste, EPA is planning some public hearings to address Sierra Club concerns that the Definition of Solid Waste Rule and the Emission Comparable Rule are not effective or protective enough for the public good. This may impact what happens with the time line for the publication of the CISWI fuel definition.

Technical Focus Group Meetings - June 9, 2009 Arlington, VA

As mentioned in the past two newsletters, CIBO is planning on holding a focus group meeting in conjunction with its Quarterly Committee Meetings to support the extension of Environmental discussions & activities into the impact on Energy and Operations areas of businesses. The recent survey results by members on topics in descending order are as follows: Energy Efficiency & Optimization, Alternative/Opportunity Fuels & Renewable Energy, Emission Control Systems, Carbon Footprint Reduction, Boiler Operation, Good Combustion Practices, Sharing Operational Problems & Solutions, Boiler Reliability & Maintenance Improvements, Burner (gas/liquid) Performance, Boiler Design (package, stoker, FBC, etc.), Small Unit Operations, Avoiding Tube Ruptures, and Fast Response Boilers (cold to steam < minute). The 1st meeting will be held in conjunction with this June's Committee Meetings on the morning of Tuesday, June 9 and the topic is *Energy Efficiency & Optimization ("Improving Energy Efficiency by Integrating Energy Supply with Energy Demand")*.

Environmental, Energy & Technical Committee Meetings –June 9-10, 2009 Arlington, VA

The June Committee Meetings should be another one of those "not to miss meetings" where there is not a loss of information and maybe a little overload.

Key topics to be addressed include: Focus Group "Improving Energy Efficiency by Integrating Energy Supply with Energy Demand," 2009 Energy Bill and CIBO Policy, Boiler MACT Update, CO2 Legislation/Regulations, Short vs. Tall Stacks, Litigation Update, NAAQS, CAIR, and RCRA Ash Updates. Members, for your convenience, you can register for the meetings [online](http://www.cibo.org/) at <http://www.cibo.org/>.

FLUIDIZED BED COMBUSTION (FBC) XXII CONFERENCE JUNE 1-3, 2009 – Hershey, PA

The Global Economic Crisis, high fuel prices and a drive for Climate Change Legislation are making many think of alternative fuels, especially Bio-fuel, as a way to save money and comply with environmental rules into the future.

FBC boiler owners and suppliers meet to discuss saving money and improving cash flow in scary economic times. The conference will again include: Owners' only and Manufacturers' & Suppliers' Forums; the presentation of the results of the CIBO Annual FBC Survey; the latest FBC Technology Developments in Alternative Fuel additions (Bio-fuel); and presentations and discussion on Tube & Air Leak assessment & solutions, plant maintenance, and sorbant considerations & case study. This year's optional tour on Wednesday June 3, 2009 will be at the Panther Creek CFBC Unit in Nesquehoning, PA. A detailed program and on-line registration is on the CIBO website under 2009 Calendar.

From the President's Desk – Bob Bessette

During the conference call to set the agenda for the E/E Committee meetings next month, Ann McIver of Citizens Thermal talked about the Convergence of Energy, Environment and Economics (Sounds like the makings of a theme for the Annual Meeting). As we have said for the last few years, the forces behind Climate Change are the drivers. Integrating Energy and Environmental issues for Economic survival has been at CIBO's foundation. Now could be the time for action. If you look back at one of those old movies that had something to do with a convergence, there was a line that said; "Who you gonna call?" -- CIBO of course.