



The CSTP Steward—industry putting sustainability into Practice

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Company Spotlight: BASF Corporation

With approximately 95,000 employees, more than 150 production sites as well as customers and business partners in over 200 countries, BASF is the world's leading chemical company – The Chemical Company. BASF's portfolio ranges from chemicals, plastics, performance products, agricultural products and fine chemicals to crude oil and natural gas. In 2006, the BASF Group posted sales of €52,610 million and income from operations of €6,750 million.

Chemistry offers enormous opportunities. It stands for the future that BASF is actively shaping. BASF has four strategic guidelines that describe their path to a successful future:

- Earn a premium on the cost of capital
- Help customers to be successful
- Form the best team in industry
- And Ensure sustainable Development

Verbund is one of BASF's greatest assets when it comes to using resources efficiently. At Verbund sites, production plants, energy and waste flows, logistics, and site infrastructure are all integrated, so that chemical processes consume less energy, produce higher product yields and conserve resources. The Verbund principle also applies to energy. In the Energy Verbund, the excess heat given off in chemical reactions is immediately converted into steam and is fed into the steam network so that it can be made available to other plants. This way, approximately .6 million tons oil equivalent is saved globally by BASF. In 2006, emissions of greenhouse gases per metric ton of sales product were reduced by more than 2% compared to 2002. (1) BASF takes an active role in shaping sustainable development in their sphere of influence. For BASF, sustainability means integrating social and environmental issues into business processes. This is how BASF contributes to a high quality of life for current and future generations.(2)

The BASF eco-efficiency tool was developed jointly by BASF AG and an external consultant in 1996. To date, more than 300 studies have been launched or completed internally, as well as with customers, suppliers, and government, both in Europe and North America. BASF's eco-efficiency analysis is a strategic lifecycle tool that compares the relative ecological and economic efficiencies of alternative products, production processes, and technologies. It is a critical part of the strategy to position BASF to respond to the many sustainability issues that they and their customers will face in the future. The goal is to offer customers the best possible products, processes, and technologies with the least environmental impact at the best price.(3)

BASF plans to use their many years of experience in sustainable development even more efficiently in the future to generate added value. The company's expertise in the fields of energy, product stewardship, health, safety and the environment, is integrated in the "SuccESS – adding value through sustainability" initiative in order to help their customers to be more successful. (2) For more information, please visit www.basf.com.

2008 CSTP Activities and Goals

CSTP has identified five projects to 2008: Completion of the Sustainable Development Roadmap; Sustainable Tools and Database; 3rd Party Guidelines, Best Practices Identification, and Raising collective Awareness. Each team will be highlighted in upcoming newsletters-- Industry representatives interested in joining the project teams should contact their industry KEY CONTACT, or email cstp@aiiche.org directly.

-Sustainable Development Roadmap

The SD Roadmap will enable CSTP companies to map out an implementation plan for sustainable practices throughout their companies. It identifies the key functions and staff positions to impact sustainable practices in the organization. Use of the roadmap will impact not only chemical companies but all manufacturing and companies along the supply chain. The team will complete management and roll out of the initial version by mid-year, and by year end to have had all CSTP companies and one non-CSTP utilize the tool for at least one analysis for feedback and peer sharing.

-Sustainable Tools & Databases.

The goal of this team is to enable and promote the usage of validated sustainability tools to allow CSTP companies to accelerate progress towards sustainability by providing quantifiable bases for evaluation of sustainability. The benefit will be for companies who want to be perceived as having made tangible credible assessments of the sustainability of their business decisions. By year end the team plans to provide a current list of existing tools, identify strengths and weaknesses, and make a recommendation for the development of one tool under CSTP sponsorship.

Sustainability Exchange Calendar

CSTP Sustainability Exchanges provide concise, easily accessible sustainability information to member companies on a monthly basis. These virtual teleconferences will cover five key areas in 2008: Sustainability Indicators and Reporting, Supply Chain Topics in markets relevant to the chemical process industry, NGO and industry collaboration opportunities to support SD, Financial perspectives on sustainability, Government and sustainability.

In January and February, member companies learned about the various Benchmarking activities underway for corporations in sustainability. Calvin Cobb reviewed the Refinery Sustainability Index he created in the 1980's published by Oil and Gas Journal, which was used as the basis for the recently released AIChE Sustainability Index™. In February, Beth Beloff reviewed the various sustainability indices, their focus and applications in February.

Mark your Calendar—2nd Tuesday of Each Month. 10 -10:30 AM ET.

March 11: EPA WAR measurement tool and Metrics for CO2 measurement in Supply Chain

April 8: Impact of WALMART Sustainability Scorecard on Supply Chain and Purchasing—Stephanie Baker, KBR Plastics

May 13: National Council for Science and the Environment—GHG Projects

Upcoming Industry Relevant Sustainability Meetings

AIChE/ACS Spring Conference New Orleans, LA. See www.aiche.org/ to register.

Sunday April 6 9 am to 4 pm. Total Cost Assessment Workshop. Liese Laurin.

Tuesday April 8 4 pm to 7 pm. CSTP Sustainability Roadmap, Carol English

Wednesday April 9 2 pm to 7 pm ACS/AIChE CSTP Workshop: Non Technical Barriers to Implementation of Sustainability

Thursday April 10 8 am to 12 noon. Workshop Continued

Thursday April 10 12 noon. Sustainable Engineering Forum Luncheon

Speaker Dane Revette—Energy Coordinator, State of Louisiana.

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