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The Business of Chemistry

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Tim Shestek
American Chemistry Council

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**American
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Council**

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- Industry and “green chemistry”
 - ACC companies routinely apply green design and engineering practices in their operations
 - Design, commercialize and use processes and products that are:
 - *Feasible, economical and minimize generation of pollution at the source and risk to human health and the environment*

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- USEPA “Green Chemistry” award winners:
 - ACC members BASF, Bayer, Dow, DuPont, Engelhard, Lilly, Mark, Nalco, PPG, Roche Colorado, Rohm and Haas
- One-quarter of all US patents relate to chemicals
 - Evidence of innovation and progress

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- ACC's Responsible Care® program is also about constantly researching and improving products, processes, and environmental performance
- The business of chemistry continues to create chemical technologies that accomplish pollution prevention that is both scientifically sound and cost effective

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- Fostering innovation requires coordination and collaboration among chemists, engineers and business units
- The term green chemistry was coined only 10 years ago
- Science Magazine – August 2002
 - “Given that the development time for a new chemical process is often more than a decade, there has been insufficient time for green chemistry principles to be translated systematically into industrial processes.”

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- Where do we go from here?
 - Federal Green Chemistry Research and Development Program (HR 1215) offers ideas to consider
 - Collaborative research and development among industry, gov't and academia
 - Examine ways to promote innovation

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- Examine ways to expand education and training programs for students, chemists through partnerships with industry
- Disseminate information on accomplishments, best practices, costs and benefits

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- The business of chemistry is about innovation and technology advancement
- ACC and its members look forward to a constructive process that helps develop products that bring value to society while reducing environmental impacts