Vinyl Products Division 19th Annual Compounding Conference

The Wynn, Las Vegas, Nevada

July 13-15, 2008

Sunday, July 13, 2008

8:00 a.m. Golf Tournament, Rio Secco Golf Course

Rio Secco Golf Club, designed by world-class architect Rees Jones, unfolds beautifully over 240 acres in the foothills of the Black Mountain Range. The layout can stretch out to 7,400 yards, but even from forward tees, there's more than enough challenge even for the best players in the world.

Set some 800 feet above the Las Vegas Valley, four sets of tees make it playable for all, with each subsequent set of tees dropping about 400 yards or more off the total distance. Also helpful, many of the tees are elevated, making some of the holes play shorter than they appear on the scorecard.

The course's No. 1 handicap, the 478-yard monstrous par-4 second hole, was named VegasGolfer magazine's best golf hole in 2002. The hole plays from tee boxes set more than 60 feet above the fairway and in the shadow of canyon walls. The Strip glitters in the distance. Bunkers and waste areas catch errant tee shots, and second shots are hit into a small, undulating green.

One of many signature holes at Rio Secco is the par-4, 417-yard seventh, which Jones calls a "natural cathedral hole." The tee rises some 50 feet above the fairway, which is carved through a valley. The green is tucked into a canyon (a 40-foot vertical caliche wall) and is further protected by sand bunkers left-front, right and behind.

4:00 - 6:00 p.m. Executive Committee Meeting

6:00 - 7:30 p.m. Welcome Reception

7:30 p.m. Dinner on your own

Monday, July 14, 2008

8:30 - 9:30 a.m. Spouse Breakfast

GENERAL SESSION

7:30 – 8:00 a.m. Continental Breakfast

8:00 - 8:15 a.m. Opening Remarks

8:15 – 8:45 a.m. **Plasticizer Update** (Steve Cullen, Eastman)

The presentation will give an update on developments and prospects in the North American plasticizer market. Focussing on the plasticizers used, it will look at recent and future changes to the portfolio mix, before moving on to look at the supply demand balance of raw materials. Finally, the talk will review some of the recent regulatory and perception challenges that the industry faces.

Dr Steve Cullen *is Global Business Manager for Eastman Chemical Company's Plasticizer Business Unit, having taken up this post in January this year. He is based at the company's Headquarters in Kingsport, Tennessee.*

Steve has been with Eastman for over 6 years, working in a number of business development functions in Europe, most recently as Commercial Manager for the EMEA region for Eastman's Performance Chemicals and Intermediates Business Organisation. Prior to joining Eastman, Steve worked for a privately owned, UK fine chemical Manufacturer as Sales Manager, with responsibility for sales in Europe and the Far East.

Steve has a BSc. (Hons) and D. Phil in Chemistry, from the University of York in England, from where he graduated in 1994. Steve is originally from the UK and is married with two young sons. He recently relocated with his family to Johnson City, Tennessee.

8:45 – 9:30 a.m. **Stabilizer Update** (Brenda Hollo, Ferro)

This presentation will cover current trends in stabilizers from Ba/Zn to Ca/Zn.

Brenda Hollo *is the Technical Manager, for Ferro Plastic Additives. She earned a BS degree from Ashland College. Brenda has spent over 25 years in the polymer additives industry. She has spent many years developing international market opportunities. Brenda spent over 12 years as the Quality Manager for Synthetic Products and Ferro Corporation; in addition she held various technical and marketing positions.*

9:30 – 10:00 a.m. BREAK

10:00 - 10:30 a.m. **Non-Phthalate Plasiticizers: What Has Been Tried and What May Be Coming** (Allen Godwin, ExxonMobil Chemical)

Allen Godwin *is a graduate of Texas A&M University where he earned BS and Ph.D. degrees in Chemistry. His prior experiences include a 1 year post-doctoral fellowship at Florida State University and 5 years with ARCO Chemical. While employed with ExxonMobil Chemical, Allen worked to develop new plasticizers for US markets and led new product development project teams in Europe. When ExxonMobil Chemical began to expand their plasticizer presence in Asia Pacific, Allen was responsible for building an applications laboratory in Singapore and for training the sales organization in plasticizer technology.*

In 1993, Allen returned to ExxonMobil Chemical in the US to head the Plasticizer Application Technology group. Allen's area of primary responsibility is management of the plasticizer applications technology group, covering both current and developmental products. His current title is Manager, Americas OXO Products Application Technology.

10:30 – 11:00 a.m. **SPI Issues and Goals** (William Carteaux, SPI)

SPI President ***Bill Carteaux*** *began his tenure at the association in March 2005. He came to SPI from Demag Plastics Group Corp., where he was named president and chief executive officer in 2002. Based in the Cleveland area, Demag Plastics Group Corp. is one of the nation's top two manufacturers of injection molding machines for the plastics industry. Carteaux previously served as the company's vice president of sales and marketing.*

Prior to joining Demag, Carteaux spent eight years with a manufacturer of vertical injection molding machines, including four years as its president. He has been actively involved in numerous leadership roles with SPI for more than 10 years, serving on the Machinery Board and as Vice Chair, then Chair of SPI's Equipment Council. While a member, Carteaux also served as vice chair of SPI's Strategic Management Group for Industry Growth and Development, and chair of both the NPE finance committee and the NPE

operations committee. He's been active in standards development and on SPI's Finance, Administration and Membership Committee.

Prior to accepting his post as president, Bill was slated to serve as vice chairman of SPI's Executive Board for the 2005 term. He has an MBA from Indiana Wesleyan University and a BS from Purdue, where, in 1998, he was the first recipient of the Outstanding Alumnus Award from the University's Agricultural and Biological Engineering Department.

11:00 – 11:45 a.m. **Commercial Session**

The following presenters paid a fee to The Vinyl Products Division for the privilege of presenting this material, which is commercial in nature. The commercial session may include papers on a variety of innovative processes, emerging business issues and new markets in the flexible vinyl industry. Papers may address the latest use of materials or provide information on up-and-coming technologies being implemented by flexible vinyl companies without regard for the traditional non-commercial presentation criteria.

11:00 – 11:15 a.m.
Economical Functional Replacements for Linear Plasticizers (Darren Howell, Midwest Territory Manager for TCC, The Chemical Company)

Mr. Howell *received his B.S. in chemistry from Lake Erie College in 1995. He went on to earn his M.B.A. at the James J. Nance School of Business, Cleveland State University in 1999. He has worked for 26 years in the plastics industry ten of which were specifically dedicated to PVC. In 1990 he went to work as a lab technician for Synthetic Products Company in Cleveland Ohio. In addition to his normal duties Darren synthesized intermediates, made master batches and did pilot plant scale up of new products. In 2002 he took a position in technical sales with Baerlocher USA as their Midwest Territory Manager. He joined the ranks of TCC in the same position in December or 2006 and enjoys servicing his customer base.*

Darren is married with one 11 year old daughter. He enjoys gardening, hunting, fishing and spending time with his family – golf is work.

11:15 – 11:30 a.m.
Risks and Rewards on the Path to Plasticizer Innovation (Patrick Harmon, BASF - Industry Manager Oxo Alcohols and Plasticizers and Franz Schaefer, BASF - Marketing Manager Plasticizers)

11:30 – 11:45 a.m.
Highly Efficient Dispersing Medium for Liquid Masterbatches (Frank Vennhoff, BYK USA)

Frank Vennhoff *received his chemical engineer degree from the University at Duisburg, Germany in 1985. He started his 25 year career in PVC actually right after high school, working as a lab chemist from 1977 – 1980 at Solvay in Germany. From there he went to BYK.-Chemie in Wesel, Germany as lab chemist in the PVC/PUR lab. Since 1985 he has been the Technical Service Manager PVC/PUR Additives. He is responsible for: managing the PVC/PUR tech service laboratory; development of new products; product introduction at key accounts, to include supervising plant trials; training of sales representatives; supports the American colleagues, and oversees customer seminars in Wesel, of which many here have attended.*

Frank is married, with one boy, age 12. His hobbies include: old cars, dancing, and is a boys' soccer coach.

11:45 - 1:30 p.m. LUNCH ON YOUR OWN

1:30 – 3:30 p.m. **Phthalate Ester Panel Update**

5:30 – 6:30 p.m. Reception

Dinner on your own

Tuesday, July 15, 2008

8:30 - 9:30 a.m. Spouse Breakfast

GENERAL SESSION

7:30 – 8:00 a.m. Continental Breakfast

8:00 - 8:30 a.m. **PVC with Enhanced of End-of-Life Degradability?** (Paul Daniels, ExxonMobil Chemical)

One criticism which is frequently leveled at PVC is that at the end of its service life a PVC product (with or without added plasticizer) will endure forever in a landfill or some dumping ground of convenience. Another related criticism is that PVC products will produce highly toxic chemicals when burned. This paper will examine the fate of flexible PVC in the municipal solid waste (MSW) stream. Is this plastic (or any other plastic) "filling up" scarce landfill space? Is it possible to formulate PVC for enhanced degradability by natural forces (sunlight, oxidizing gases, water) or biodegradability (metabolism by microorganisms)? Is this sort of fate desirable? Is incineration of PVC products poisoning the environment?

Paul Daniels *received his bachelor's degree from Miami University in Ohio and his M.S. and Ph.D. degrees in organic chemistry from the University of Louisville. He has worked for ExxonMobil Chemical Company for over 28 years. He is a member of ExxonMobil's plasticizer technical service group at the company's technology and engineering center in Baytown,Texas.*

Paul, his wife Patricia and their family live in League City, Texas. He's "Papi" to two kids and two dogs, a weekend athlete (biking, running, triathlons) and a big fan of cold beer and TV sports.

8:30 – 9:00 a.m. **Green Building Initiative Update** (Melissa Hockstad, SPI)

Over the past several years the development of green building programs has increased dramatically. Government agencies, non-profit organizations and others have jumped on the green bandwagon as the next great initiative. This presentation will provide insight into current green activities, SPI's involvement in critical green projects, and the dangers of program development without industry input.

Melissa Hockstad *is The Society of the Plastics Industry's (SPI's) Vice President, Material Suppliers Council. Ms. Hockstad came to SPI in June 2006 from the Washington, D.C.-based Synthetic Organic Chemical Manufacturers Association where served as Performance Improvement Director and led the association's environmental, health, safety and security program. Prior to joining SOCMA, Melissa was a Senior Engineer with Basell Polyolefins. Melissa holds a M.S. in Materials Science and Engineering from the Pennsylvania State University and a B.S. in Engineering Science from the University of Virginia.*

9:00 – 9:30 a.m. BREAK

9:30 – 10:00 a.m. **North American Resin Update** (Mark Tindell, PolyOne)

The PolyOne North American Resin Update presentation will focus on the US dispersion and blending resin market and is intended to provide conference attendees with information beneficial in planning and understanding their business. Economic information to be presented includes a variety of economic indicators, currency exchange rates, and

energy and chemical costs forecasts. While supply chain information will include expected VCM and PVC resin capacity.

Mark Tindell *is the Global Sales Director of the Specialty Coatings and Resins Business of PolyOne Corporation.*

Mark has a Bachelor of Science degree in Biochemistry from California Polytechnic State University, San Luis Obispo. His career in polymers began in 1989 with Amoco Chemical as a Technical Sales Representative based in Chicago representing their engineered polymers product line. He joined PolyOne and its predecessors, BFGoodrich and The Geon Company, in 1991 as a Western Region Sales Representative of vinyl compounds. Along with direct sales responsibility to profile extrusion and injection molding customers, Mark has also held positions in application specification with OEM's and distribution channel sales. He spent three years based in England as the European Market Development Manger for Hydro Geon; a UK based joint venture between Hydro Polymers and The Geon Company. Upon his return to the US, Mark has held various positions in global business development and sales management within PolyOne.

Mark, his wife Laura, and their three children reside in Simi Valley, California.

10:00 – 10:30 a.m. **European Dispersion Resin Market Update** (David Lovatt, Vestolit)

David Lovatt *graduated from Hull Univeristy in the mid 1980's, before joining the Omya Group (Swiss) for 4.5 years in a sales capacity. In 1989 David joined the UK subsidiary of the Huls A.G. Group (now Evonik-Degussa), where after several sales roles, became Sales & Marketing Manager for the Plastics Division.*

In 1999 Vestolit Gmbh the former PVC division of Huls was sold to a private equity company, and David transferred with this sale to his current role of Regional Sales & Marketing Manager/Segment Leader of the Specialties Segment (Polymer Division.)

10:30 – 11:00 a.m. Division Business Meeting

11:00 – 12:30 p.m. LUNCH ON YOUR OWN

12:30 – 1:30 p.m. **California Green Chemistry Program** (Bill Carroll, Occidental Chemical Corporation)

As a response to legislative pressure which ended in a plasticizer ban bill hitting his desk in 2007, Governor Arnold Schwarzenegger asked the California Department of Toxic Substances Control to devise an overarching program that would mitigate the need for such individual chemical actions. The Green Chemistry program resulted. Traditionally, Green Chemistry is a technically driven, non regulatory program. How California would implement such a program, especially the apparent pressure for new regulatory structure, is still a work in progress. This presentation will review the history of the California program and perhaps show the path forward, especially with respect to vinyl.

Dr. William F. Carroll*, Jr. holds a B.A. in Chemistry and Physics from DePauw University, Greencastle, IN, an M.S. from Tulane University in New Orleans, and a Ph.D. in Organic Chemistry from Indiana University, Bloomington, IN,. Bill started his industry career in 1978 and after a year with Rohm and Haas Company, Bristol, PA, moved to what is now Occidental Chemical Corporation. He is currently Vice President, Chlorovinyl Issues for OxyChem and works on public policy issues and communications related to chlorine and PVC. He is also Adjunct Professor of Chemistry at Indiana University, Bloomington, Indiana where he teaches polymer chemistry.*

Bill is a Past President (2005) of the American Chemical Society, Chair of its Special Committee on Executive Compensation and Past Chair of its International Activities Committee. He is a Fellow of the Royal Society of Chemistry, a fellow and member of the US National Committee for the International Union of Pure and Applied Chemistry and a member of the National Academy of Sciences Chemical Sciences Roundtable. He is a member of advisory boards for the sciences at DePauw, Tulane and the Colorado School of Mines, and chair-elect of the Council of Scientific Society Presidents.

He has also chaired numerous committees for a variety of chemistry, plastics, fire protection and recycling organizations. He has served on expert groups commissioned by the United Nations Environmental Program, the US Environmental Protection Agency and three states. He received the Vinyl Institute's Roy T. Gottesman Leadership Award for lifetime achievement in 2000 and the Inaugural Michael Shea Award from the ACS Division of Chemical Technicians in 2007.

He holds two patents, and has over forty-five publications in the fields of organic electrochemistry, polymer chemistry, combustion chemistry and physics, incineration, plastics recycling and chlorine issues.

1:30 – 2:00 p.m. Break

Vinyl Industry Alliance Panel

2:00 – 3:30 p.m. Featuring:

- Stan Walzak, BYK-USA (Panel Moderator)
- Judith Nordgren, The Vinyl Institute
- Bill Hall, RFCI
- Terry Peters, The Society of the Plastics Industry
- Marian Stanley, Phthalate Ester Panel

5:30 - 6:30 p.m. Reception

6:30 - 8:30 p.m. Dinner Event