2012 Corporate Social Responsibility Report
Americas Styrenics is one of the largest producers of polystyrene and styrene monomer in the world. As a leader in our industry, our commitment to corporate social responsibility remains a key priority. Just as safety is a crucial commitment to our employees and reliable operations are paramount to our customer relationships, environmental responsibility is our commitment to the communities where we operate and where our products are used.

AmSty is committed to advancing polystyrene as a “green choice” for the plastics industry. Polystyrene has environmental benefits in many of the applications where it is used, often because it takes less energy to make than other alternatives, requires less material, and offers ideal properties in a range of applications. We want people to understand that polystyrene can be recycled, and we are continuing to promote our PolyRenew™ Polystyrene products, which contain post-consumer recycled content.

As you will read in this report, we have increased our commitment to promoting health and wellness, taken measures to ensure process safety, and conducted research to better understand the life-cycle and impact of our products while forming stronger partnerships in supporting plastics recycling and the education of post-consumer recycled polystyrene.

Thank you for your interest, and to all who are helping us achieve these goals.
OUR COMMITMENT

Americas Styrenics is a leading integrated producer of polystyrene and styrene monomer in the Americas, offering solutions and services to customers in a variety of markets. Headquartered just outside Houston, Texas, and with manufacturing facilities located throughout North and South America, AmSty is a joint venture equally owned by Styron LLC and Chevron Phillips Chemical Company LP.

OUR CORE VALUES

AmSty embraces the ideas, attitudes, and behaviors that have earned great results in the corporate social responsibility arena, and we apply these winning principles in our business model. By focusing on safe production processes; optimizing our production, marketing, and supply chain capabilities; and leveraging state-of-the-art technologies, we have developed a strategy for success that supports both AmSty and our customers’ efforts toward economic, social, and environmental responsibility. Our core values paired with dedicated employees guide AmSty in meeting this commitment.

Protecting People and the Environment
The health and safety of our employees and the protection of our communities are our highest priorities. We deliver world-class performance through disciplined application of our operational excellence program.

Respect for People
Our success depends upon the commitment, capabilities, and diversity of our employees. We value the uniqueness of individuals and the varied perspectives and talents they provide. Respect for people is measured by how we treat each other; by the contributions that flow from our diversity; and by the productivity of our relationships. We strive to be an employer of choice.

Integrity
We conduct ourselves with honesty and integrity in all that we do. We meet the highest ethical standards in all business dealings and are accountable for our actions.

Teamwork
We are one team. We will work together, building relationships to create ever-greater value for the customers that we serve. Our “can-do” spirit delivers distinguished performance.

Value Creation
We are committed to excellence in everything we do. We are results driven and create value through continuous improvement.

WE ARE:
- Over 520 associates working together throughout North and South America
- Responsibly producing styrene monomer and polystyrene, and supporting communities at our 7 manufacturing locations
- Serving customers in the packaging, electronics, appliances, medical devices, tire, paint, coatings, and elastomer markets

For more information about Americas Styrenics, visit amsty.com.
We continue to make significant investments in our product technology and manufacturing capabilities. In 2012, AmSty faced challenges bringing PolyRenew™ Polystyrene to the market due to a lack of post consumer recycle (PCR) polystyrene feedstock with adequate FDA approvals. AmSty has recently succeeded in certifying our product process which will allow for a broader range of PCR polystyrene to be used while maintaining FDA requirements. This will allow for continuous production of PolyRenew™ Polystyrene in 2013.

PolyRenew™ Polystyrene Update:

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**The Truth About Polystyrene**

Foam polystyrene packaging is not a major contributor to ocean litter. A study conducted by the United Nations concluded that plastic packaging including foam polystyrene constituted less than 3% of the waste material contained in the Northwest Pacific Ocean Gyre. Another survey of litter found on beaches by the City of Los Angeles concluded that plastic packaging made up less than 2% of the waste material that they collected.

Foam polystyrene is not a major component of Municipal Solid Waste (MSW). The US EPA conducts a survey of the composition of the MSW stream every 2 years and they have found that the quantity of polystyrene entering landfills has declined slightly in the last decade to less than 2% (by weight) of the total solid waste stream in America.

**Polystyrene does not degrade to toxic chemicals.**

Numerous landfill studies have shown that most plastics, including polystyrene, do not experience any decomposition in modern well-managed landfills. In fact, if polystyrene were subject to microbial degradation with adequately available oxygen the potential metabolites have been shown to be inert naturally occurring substances.

Polystyrene is recyclable.

Polystyrene is a thermoplastic, which means that it hardens into any desired shape when it cools after molding. It will melt when it is heated, thus allowing it to be reused in its desired application. In fact, one of the unique features of polystyrene is that its properties don’t change with heating and cooling cycles. This makes polystyrene a particularly desirable material for recycling.

The environmental footprint for polystyrene is lower than “natural” and bio-based materials. A Life Cycle Analysis (LCA) conducted using US EPA approved methodology found that at least 50% less energy, 30% less water, 40% less solid waste, and 20% less carbon dioxide is used when a foodservice item is made out of polystyrene as opposed to paperboard or Polyactic Acid (PLA).

As one of the largest producers of polystyrene in the Americas, we are committed to researching and developing more sustainable ways to produce polystyrene, one of the most common plastics in use.

Polystyrene is an important part of our consumer lives, from take-out coffee cups to meat trays to the refrigerators in our homes. There is no doubt that polystyrene is here to stay.

In 2011, Americas Styrenics launched a new product, PolyRenew™ Polystyrene. This single pellet product solution contains up to 25% post consumer recycled polystyrene and was developed for use in foodservice applications. PolyRenew™ Polystyrene offers a durable and more eco-friendly commercial foodservice packaging alternative for items such as take-out clamshells, bowls, plates, cups, egg cartons, meat trays, and other foam food packaging containers.
Labware made from General Purpose Polystyrene (GPPS) helps medical researchers increase efficiency, reduce cost, and compress timelines in the drug discovery process.

Styrene monomer is used to produce a wide variety of polymers which end up as automotive and electronic parts, rubber products, construction materials, and more.

Did you know that most refrigerators produced in North America are manufactured with an interior liner made with AmSty polystyrene from our Joliet facility?

Americas Styrenics has a broad geographic reach with seven manufacturing facilities. We pride ourselves on providing leading technology and expertise in the application, development, and fabrication of polystyrene and styrene monomer. We make the products that our customers use to create consumer goods which make life better for people around the world.
Americas Styrenics is committed to product stewardship excellence in our business processes – from product design and raw material procurement to product manufacturing, sales, and shipping. We deliver world-class product stewardship performance through disciplined application of our operational excellence program, which aligns with the principles of Responsible Care®.

Product safety and risk management are top priorities for AmSty. In practicing product stewardship, AmSty is involved in almost all aspects of our product’s life cycle. Everyone from production personnel to the commercial team and customer service are involved in minimizing health, safety, environmental and social impacts, and maximizing economic benefits of our products throughout all lifecycle stages. Below are some of the things that AmSty is doing to achieve product stewardship excellence.

Meeting Customer Needs with New Technology

Americas Styrenics is focused on customer technical service and development, our staff boasts more than 200 combined years of experience within our Technical Service and Development Laboratory in Marietta, Ohio. We consistently deliver reliable problem solving, fast turnaround sample analysis, and targeted application development for customer programs. A key element to our success is listening to and understanding our customers. In response to the request for new, cost-effective resins with improved sustainability, AmSty has developed new technology called improved extensional viscosity or improved EV. Improved EV provides lower foam density and part weight in polystyrene foam sheet applications. These new foam products are made with less raw material and lower energy consumption, which translates into improved sustainability for converters, retailers, and consumers.

Reduce

- AmSty actively invests in ways to reduce the amount of energy consumed at our operating facilities. In 2012, those investments achieved a 3.3% reduction in our energy consumption or the equivalent of eliminating the carbon dioxide emissions of 11 passenger cars.
- Maximizing raw materials that AmSty consumes in producing our products is very important. We reduced the waste generated by our manufacturing facilities in 2012 by almost 5 million pounds or the equivalent of 6 metric tons of carbon dioxide emissions.
- AmSty products help our customers to produce more, while consuming less. Our patent pending polymers exhibit superior extensional viscosity and will allow our customers to produce up to 10% more product from the same quantity of polystyrene.

Reuse

- The transition between grades of polystyrene is one potential source of waste in our manufacturing process. When there is not a market for the transition grade product, AmSty reduces waste by utilizing a reuse partner to reprocess the material for use in non-traditional markets. In 2012, AmSty extended this partnership to include other solid industrial wastes such as cardboard packing materials and wooden pallets. This allowed AmSty to avoid shipping 2,000 metric tons of post industrial waste to a landfill.
- As a responsible producer of plastic materials, AmSty is an active participant in the industry sponsored international program, Operation Clean Sweep®. We apply the program’s best practices to manage the loss of product at all of our polystyrene production facilities.

Recycle

- AmSty introduced the first and only polystyrene that reactively bonds Post Consumer Recycle (PCR) polystyrene directly into the polymer matrix, in 2012. The resulting product, PolyRenew™ Polystyrene, is very consistent in its composition and possesses properties that are similar to polystyrene without PCR material.

Reduction in Energy Usage

This graph shows the impact of efforts to improve energy efficiency at AmSty. In 2012, an overall 8% reduction in energy used per lb. of product produced is shown, as compared to our 2008 baseline.
Health and safety are of the highest importance at Americas Styrenics, and we work daily to accomplish zero injuries and incidents. We continue to be in the top quartile of chemical industry performance, achieving this through a disciplined application of our operational excellence program, process safety initiatives, and Tenets of Operation and Maintenance.

**Personal Safety**

At AmSty, we take personal safety – personally. The desire to “work safely or not at all” is expressed in our core values, articulated in our Tenets of Operation and Maintenance, and practiced through the implementation of our operational excellence program.

The highest achievement we can reach as a company is to have zero recordable injuries. The year 2012 started with a record 15 months worked without a recordable injury across the company for employees and contractors. The company ended the year with a recordable injury rate of 0.32 (injuries per 100 workers) after having worked 591 safe days.

Investigating and understanding the causes of unplanned events is an important step toward learning from and preventing future recurrence. AmSty promotes the identification of “lessons learned” from events that resulted in an injury and those that did not result in an injury. Through these lessons learned, we are able to identify leading indicators, or leading conditions and actions, that when combined could result in a safety incident.

**Health and Wellness**

Health and wellness impacts the quality of life for our associates both on and off the job. Promoting overall health and wellness is a priority at AmSty, and we believe that a healthy workforce is a safer workforce. In 2012, AmSty created a health and wellness steering committee, and a health and wellness network comprised of volunteer participants from each of our eight locations.

Throughout the year various activities were promoted to increase awareness among employees regarding personal health risk factors and ways to improve overall health. These activities included pedometer walking challenges, the introduction of healthy snack choices, free vaccinations, and seminars on exercise, cooking, and nutrition.

**Security and Emergency Response**

AmSty works diligently to provide a safe and secure work environment for employees, contractors, and visitors at all of our facilities. Throughout 2012, AmSty invested in upgrades to the enterprise security system resulting in improved accountability and access control systems at our two largest facilities, Marietta and St. James. Our operational excellence program includes an audit process to address physical security, IT infrastructure, and transportation security. Emergency response drills take place at all facilities and involve first responders and representatives of regulatory agencies and mutual aid partners.

**Process Safety**

AmSty strives for zero process safety events. A process safety event usually involves a release from process equipment that can lead to significant consequences such as injuries, fatalities, fires, or explosions. Mitigation of process safety events at our facilities involves training, managing changes, following and maintaining operating procedures, performing root cause investigations, compliance audits, and many other activities.

AmSty U S plants must adhere to OSHA’s Process Safety Management (PSM) regulation. Although our Cartagena plant is not regulated by OSHA, we have the same performance standards regarding process safety. Detailed audits performed every three years at AmSty facilities provide certification that our plants are adhering to OSHA’s expectations.

In late 2012, AmSty adopted the American Petroleum Institute’s Recommended Practice 754 (API RP 754). This practice provides guidance on the measuring and monitoring of process safety management systems and process safety events. An integral part of this practice involves measuring not only significant events involving releases of material, but also near-miss events and leading indicators. This proactive approach has led to an increase in awareness, understanding, and overall effectiveness of our process safety program.
COMMUNITY AND ENVIRONMENT

Corporate responsibility includes giving back to our communities and working to protect and conserve our environment. Americas Styrenics employees actively participate in a variety of organizations, donating their time, resources, and encouragement. We will continue to invest in this arena to help support our local communities, to ensure that our operations are sustainable, and to encourage environmental preservation.

We Proudly Support These Organizations:
- American Cancer Association
- American Heart Association
- Education for Tomorrow Alliance
- Salvation Army
- Susan G. Komen Foundation
- United Way
- Habitat for Humanity
- National Action Council For Minorities in Engineering (NACLE)
- Health Journey – Cartagena, Colombia
- Junior Achievement
- Cure PH Foundation
- Washington County Responsible Care Group
- March for Babies

Doing More with Less

Green House Gases (GHG)
Recent measurement of GHG emissions is helping to provide the basis for understanding the scale of emissions and the potential for process changes that can reduce the overall level or rate of emissions. Active focus on energy efficiency is the primary way that Americas Styrenics is seeking to impact overall emission of green house gases.

Figure 8a

Hazardous Waste Intensity
This graph shows the total pounds of hazardous waste produced per pound of product produced. The hazardous waste intensity variation from year to year is attributed in part to periodic shutdown cycles, which may produce certain waste streams. During shutdown cycles, plans are made to minimize production of these wastes.

Serving Our Communities

United Way – AmSty Allyn’s Point CT Receives Small Business of the Year Award from United Way (Southeastern Connecticut)
- Habitat for Humanity – AmSty Corporate – Community Build Event – Donaldsonville, Louisiana
- Washington County, Ohio Children’s Services – AmSty Marietta – Wear Blue to Work Day
- Academic Champions Excellence Banquet – AmSty St. James – Donaldsonville, Louisiana
- “Back to School” School Supply Drive – AmSty St. James – Donaldsonville, Louisiana
- Louisiana Chemical Association – AmSty St. James – Recipient of “Best in Louisiana” Award
- Cancer Victim Treatment Support – AmSty Cartagena & Fundovida – Cartagena, Colombia
- Community Food Pantry Donation – AmSty Marietta – Marietta, Ohio

Serving Our Environment

Hazardous Waste Collection & Paint Swap Day – AmSty Marietta – Washington County, Ohio
- Earth Day Tree Planting – AmSty Cartagena, Colegio Tecnico de Pasacaballos – Cartagena, Colombia
- America Recycles Day – AmSty Corporate – Polystyrene Recycling Exhibit and Collection at the 3R Bazaar – Montgomery County, Texas

Environmental Performance

Figure 8d

GHG Emissions

Figure 8e

Hazardous Waste Intensity

Figure 8f
Teaching Good Habits
Faulk Chiropractic promoted healthy habits and how to avoid bad habits at the Allyn’s Point health fair.

Highlighting Fitness
A former AmSty employee and Anytime Fitness owner conducted a health fair presentation at Allyn’s Point to promote fitness.

Serving Communities
A health journey event was held in Cartagena, with several companies, to promote healthy activities to over 400 local children.

Providing Dental Care
Healthy oral hygiene was taught and dental examinations were administered for free to children from a local village near Cartagena.

Educating Employees
Employees gathered for the AmSty PolyRenew™ Polystyrene presentation and luncheon at The Woodlands location.

Promoting Sustainability
AmSty Joliet employees show off their raffle wins: do-it-yourself home compost kits. Presentations on composting were given at each location to encourage sustainability at home.

The Americas Styrenics Guarantee Tomorrow™ program continues to serve as an important communication platform for education and awareness of health, safety, and environmental issues. This program reflects the optimism of our commitment to act today in ways that will positively influence our future.

We use the guarantee Tomorrow program to promote communication and discussion about working (and playing) safely, about managing risk, and about ways to create a safe and sustainable environment at work and home.

76 percent of AmSty employees participated in a health and wellness activity in 2012.

In 2012, we launched the 1st annual Guarantee Tomorrow week. During the course of this week, each AmSty facility held a series of meetings, activities, and contests on topics such as workplace safety, health and wellness, and recycling. Safety presentations were held to address slip, trip, and fall hazards, as well as reinforce the AmSty Tenets of Maintenance and other operating procedures designed to prevent injury.

Sustainability topics included a Recycling in the Workplace challenge and composting 101. Product sustainability was promoted through education of the new AmSty PolyRenew™ Polystyrene product and future development plans.

Guarantee Tomorrow week also focused on health and wellness with assessments of biometric data and various other health fair activities for employees. In 2012, AmSty created a Health and Wellness Steering Committee, and a Health and Wellness Network comprised of volunteer participants from each of our eight locations.

For more information, visit guaranteetomorrow.com.

Guarantee Tomorrow Week Highlights

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**PERFORMANCE DATA**

### About This Report
This report focuses on Americas Styrenics data and activities in 2012. Most charts will show data starting in 2009 which is the first full year of operation for the company. Occasionally we mention activities that took place prior to 2012 when they help to provide context for our performance. There is additional data referenced throughout this report.

### Health and Safety
The best outcome from our safety program is demonstrated each day when we successfully complete our work without anyone getting injured. The primary measurement that we track is the recordable injury rate. This measurement, defined by OSHA, is a common measurement used throughout workplaces in the U.S. There were two recordable injuries at AmSty in 2012 which corresponded to an injury rate of 0.32 in 2012. This is up from the previous year, which we completed without any recordable injuries. However, when compared to the manufacturing sector as a whole or even the chemical manufacturing sector, our performance in 2012 placed AmSty in the top quartile of companies. We will continue to learn from our injuries and near miss events to try to prevent future injuries from occurring.

### Process Safety
Process safety events are something we strive very hard to prevent from occurring. In 2012 AmSty adopted a different industry recognized measurement for Process Safety Events. For this reason, the historical data for Process Safety Events and Loss of Primary Containment (LOPC) incidents has been revised to conform to the new criteria. AmSty recorded a single process safety Tier 2 event in 2012.

The measurement of LOPCs promotes a rigorous ongoing effort to identify and prevent recurrence of leaks, drips, and spills of any size. There were 6 LOPCs in 2012 which was unchanged from the prior year. Two of these were spills of additives that occurred away from the process equipment during warehousing activities.

### Transportation Safety
The safe shipment of our products is an integral part of our product stewardship program. The measurement of Non-Accident Releases (NARs) is one of the ways that AmSty monitors the safe transportation of our rail shipments. It is our responsibility, along with our transportation partners, to protect public safety and the environment during delivery to our customers. Each shipment that leaves our sites must be safe for transport and must arrive at its destination incident free. Close monitoring of rail fleet maintenance, as well as the use of rigorous leading procedures has helped to ensure that product remains contained within the railcar until the time of offloading.

### Greenhouse Gas Emissions (GHC)
Measurement of the GHC emissions provides insight into the scale of emissions and the potential for process changes to reduce the overall level or rate of emissions. At AmSty, we set annual goals to reduce our consumption and consequently our GHC emissions from making each pound of product.

### Emissions Inventory
The emissions inventory reflects the total amount of air emissions that result mostly from combustion of fuels. The emissions are closely monitored to assure compliance with the operating conditions specified in our permits to operate.

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**128 DAYS**

is the average time between injury events at AmSty facilities. This number is a continued improvement, from 104 days in 2011 and 83 in 2010.